

СПИСЪК

на цитиранията на научните трудове на чл.-кор. Христо Найденовски в научни публикации,
патенти и дисертации (без автоцитати)

- 1). Georgiev, L., M. Chochkova, I. Totseva, K. Seizova, E. Marinova, G. Ivanova, M. Ninova, H. NAJDENSKI and T. Milkova. **Anti-tyrosinase, antioxidant and antimicrobial activities of hydroxycinnamoylamides. Medicinal Chemistry Research. 2013, 22(9), 4173-4182. ISSN:10542523.**
1. Błaszczuk, Natalia, Angelina Rosiak, and Joanna Kałużna-Czaplińska. "The Potential Role of Cinnamon in Human Health." *Forests* 12.5 (2021): 648.
 2. Botta, G., Bizzarri, B. M., Garozzo, A., Timpanaro, R., Bisignano, B., Amatore, D., ... & Saladino, R. (2015). Carbon nanotubes supported tyrosinase in the synthesis of lipophilic hydroxytyrosol and dihydrocaffeoyl catechols with antiviral activity against DNA and RNA viruses. *Bioorganic & medicinal chemistry*, 23(17), 5345-5351.
 3. Chaaban, Ibrahim, et al. "Synthesis and evaluation of new phenolic derivatives as antimicrobial and antioxidant agents." *Monatshefte für Chemie-Chemical Monthly* 149.1 (2018): 127-139.
 4. Crespo, María Inés, et al. "Inhibitory effects of compounds isolated from *Lepechinia meyenii* on tyrosinase." *Food and chemical toxicology* 125 (2019): 383-391.
 5. Dagmara, Wróbel-Biedrawa, et al. "Anti-melanoma potential of two benzoquinone homologues embelin and rapanone-a comparative in vitro study." *Toxicology in Vitro* (2020): 104826.
 6. Dobritzsch, Melanie, et al. "MATE transporter-dependent export of hydroxycinnamic acid amides." *The Plant Cell* 28.2 (2016): 583-596.
 7. Feng, Jia-Hao, et al. "Synthesis and biological evaluation of clovamide analogues with catechol functionality as potent Parkinson's disease agents in vitro and in vivo." *Bioorganic & medicinal chemistry letters* 29.2 (2019): 302-312.
 8. Ghafari, Shahrzad, et al. "Novel morpholine containing cinnamoyl amides as potent tyrosinase inhibitors." *International journal of biological macromolecules* 135 (2019): 978-985.
 9. Godlewska-Żyłkiewicz, Beata, et al. "Biologically Active Compounds of Plants: Structure-Related Antioxidant, Microbiological and Cytotoxic Activity of Selected Carboxylic Acids." *Materials* 13.19 (2020): 4454.
 10. Gunia-Krzyżak, Agnieszka, et al. "Cinnamic acid derivatives in cosmetics: current use and future prospects." *International journal of cosmetic science* 40.4 (2018): 356-366.
 11. Hosseinpour, H., Iraj, A., Edraki, N., et al. , A Series of Benzylidenes Linked to Hydrazine-1-carbothioamide as Tyrosinase Inhibitors: Synthesis, Biological Evaluation and Structure–Activity Relationship., 2020, *Chemistry and Biodiversity*, 17(8), e2000285
 12. Kwak, Seon-Yeong, et al. "Chemical modulation of bioactive compounds via oligopeptide or amino acid conjugation." *Peptide Science* 100.6 (2013): 584-591.
 13. Lee, Sangwon, et al. "Inhibitory effects of N-(acryloyl) benzamide derivatives on tyrosinase and melanogenesis." *Bioorganic & medicinal chemistry* 27.17 (2019): 3929-3937.
 14. Lesma, G., et al. "Cannabinoid-free Cannabis sativa L. grown in the Po valley: evaluation of fatty acid profile, antioxidant capacity and metabolic content." *Natural product research* 28.21 (2014): 1801-1807.
 15. Liaqat, Atika, et al. "Anti-Bio Gram of the Most Common Dietary Additives (Spices) Against Common Problematic Organisms." *Annals of Punjab Medical College (APMC)* 11.4 (2017): 276-282.

16. Mansouri, Hadjer, and Sidi Mohamed Mekelleche. "Radical scavenging activity of hydroxycinnamic acids in polar and nonpolar solvents: A computational investigation." *Journal of Theoretical and Computational Chemistry* 19.08 (2020): 2050032.
17. Mendes, Eduarda, Maria de Jesus Perry, and Ana Paula Francisco. "Design and discovery of mushroom tyrosinase inhibitors and their therapeutic applications." *Expert opinion on drug discovery* 9.5 (2014): 533-554.
18. Monteiro, Luís S., et al. "An efficient one-pot synthesis of polyphenolic amino acids and evaluation of their radical-scavenging activity." *Bioorganic chemistry* 89 (2019): 102983.
19. Monteiro, Luís S., et al. "Synthesis and preliminary biological evaluation of new phenolic and catecholic dehydroamino acid derivatives." *Tetrahedron* 73.43 (2017): 6199-6209.
20. Noel, Amandine, et al. "Poly (ferulic acid-co-tyrosine): Effect of the Regiochemistry on the Photophysical and Physical Properties en Route to Biomedical Applications." *Macromolecules* 47.20 (2014): 7109-7117.
21. Otero, Elver, et al. "Triclosan-caffeic acid hybrids: Synthesis, leishmanicidal, trypanocidal and cytotoxic activities." *European journal of medicinal chemistry* 141 (2017): 73-83.
22. Popoola, Olugbenga Kayode. "The chemical and biological characterization of South African helichrysum species." (2015).
23. Rao, Pasupuleti Visweswara, and Siew Hua Gan. "Cinnamon: a multifaceted medicinal plant." *Evidence-Based Complementary and Alternative Medicine* 2014 (2014).
24. Sall, C., et al. "Towards smart biocide-free anti-biofilm strategies: Click-based synthesis of cinnamide analogues as anti-biofilm compounds against marine bacteria." *Bioorganic & medicinal chemistry letters* 28.2 (2018): 155-159.
25. Si, Huijie, et al. "Inhibitory effects of 4-chlorocinnamaldehyde on the activity of mushroom tyrosinase." *Medicinal Chemistry Research* 26.7 (2017): 1377-1381.
26. Sun, J., Song, Y. L., Zhang, J., Huang, Z., Huo, H. X., Zheng, J., ... & Tu, P. F. (2015). Characterization and Quantitative Analysis of Phenylpropanoid Amides in Eggplant (*Solanum melongena* L.) by High Performance Liquid Chromatography Coupled with Diode Array Detection and Hybrid Ion Trap Time-of-Flight Mass Spectrometry. *Journal of agricultural and food chemistry*, 63(13), 3426-3436.
27. Taofiq, Oludemi, et al. "Hydroxycinnamic acids and their derivatives: Cosmeceutical significance, challenges and future perspectives, a review." *Molecules* 22.2 (2017): 281.
28. Wang, Ji-Rui, et al. "Variations in the Components and Antioxidant and Tyrosinase Inhibitory Activities of *Styphnolobium japonicum* (L.) Schott Extract during Flower Maturity Stages." *Chemistry & biodiversity* 16.3 (2019): e1800504.
29. Wen, Xin, et al. "Physicochemical characteristics and phytochemical profiles of yellow and red *Physalis* (*Physalis alkekengi* L. and *P. pubescens* L.) fruits cultivated in China." *Food Research International* 120 (2019): 389-398.
30. Wróbel-Biedrawa, Dagmara, et al. "Anti-melanoma potential of two benzoquinone homologues embelin and rapanone-a comparative in vitro study." *Toxicology in Vitro* 65 (2020): 104826.
31. Xie, L.-W., Li, S.-X., Xie, Y.-X., et al. Bioassay-guided fractionation of constituents targeting mediators of inflammation from *Lycii* Cortex as inhibitors of NF- κ B. *Chinese Mat. Med.*, 2014, 39 (4), 689-694.
32. Xie, Lian-Wu, et al. "Activity-guided isolation of NF- κ B inhibitors and PPAR γ agonists from the root bark of *Lycium chinense* Miller." *Journal of ethnopharmacology* 152.3 (2014): 470-477.
33. Yuan, Ye, et al. "Tyrosinase inhibitors as potential antibacterial agents." *European Journal of Medicinal Chemistry* 187 (2020): 111892.
34. Zucca, Paolo, et al. "Antimicrobial, antioxidant and anti-tyrosinase properties of extracts of the Mediterranean parasitic plant *Cytinus hypocistis*." *BMC research notes* 8.1 (2015): 1-9.

2). Nikolova, S., Tzvetkov, Y., NAJDENSKI, H., Vesselinova, A. Isolation of pathogenic yersiniae from wild animals in Bulgaria (2001) J. Vet. Med., Series B, 48 (3), pp. 203-209.

35. Abd-El Salam, M., and N. Benkerroum. "North African brined cheeses." *Brine Cheese* (2006): 139-187.
36. Annamalai, Thirunavukkarasu. Investigating the cold tolerance and osmotolerance mechanisms in *Yersinia enterocolitica*. University of Connecticut, 2006.
37. Arrausi-Subiza, M., et al. "Prevalence of *Yersinia enterocolitica* and *Yersinia pseudotuberculosis* in wild boars in the Basque Country, northern Spain" *Acta Veterinaria Scandinavica* 58, 1, 20 (2016): Article number 4
38. Arrausi-Subiza, M., Ibabe, J. C., Atxaerandio, R., Juste, R. A., & Barral, M. Evaluation of different enrichment methods for pathogenic *Yersinia* species detection by real time PCR. *BMC veterinary research*, 10(1), 2014, 192.
39. Balada-Llasat, J.-M., Panilaitis, B., Kaplan, D., Mecsas, J. Oral inoculation with Type III secretion mutants of *Yersinia pseudotuberculosis* provides protection from oral, intraperitoneal, or intranasal challenge with virulent *Yersinia* (2007) *Vaccine*, 25 (8), pp. 1526-1533.
40. Bancarz-Kisiel, A., Platt-Samoraj, A., Szczerba-Turek, A., Syczyło, K., Szweda, W. The first pathogenic *Yersinia enterocolitica* bioserotype 4/O: 3 strain isolated from a hunted wild boar (*Sus scrofa*) in Poland *Epidemiology and Infection* 2015, 143, 13, 2758-2765
41. Bancarz-Kisiel, A., Platt-Samoraj, A., Szczerba-Turek, A., Syczyło, K., & Szweda, W. (2015). The first pathogenic *Yersinia enterocolitica* bioserotype 4/O: 3 strain isolated from a hunted wild boar (*Sus scrofa*) in Poland. *Epidemiology and infection*, 1-8.
42. Blackburn, Jason Kenna. "Evaluating the spatial ecology of anthrax in North America: Examining epidemiological components across multiple geographic scales using a GIS-based approach." (2006)
43. Boynukara, Banur, and Timur Gülhan. "Su Samurlarında (*Lutra lutra*) Görülen Hastalıklar." *Etlik Veteriner Mikrobiyoloji Dergisi* 27.1 (2016): 53-62.
44. Caspari, K. Untersuchungen zum Vorkommen von humanpathogenen *Yersinia enterocolitica* bei Schlachtschweinen aus verschiedenen Haltungsformen. Dissertation, Aus dem Institut für Lebensmittelqualität und -sicherheit des Zentrums für Lebensmittelwissenschaften der Tierärztlichen Hochschule Hannover, 2005.
45. Chassang, Lucile, et al. "Antemortem diagnosis and surgical management of splenitis due to *Yersinia pseudotuberculosis* infection in a pet rabbit (*Oryctolagus cuniculus*)." *Journal of exotic pet medicine* 29 (2019): 182-187.
46. Christophersen, Olav Albert, and Anna Haug. "Why is the world so poorly prepared for a pandemic of hypervirulent avian influenza?." *Microbial ecology in health and disease* 18.3-4 (2006): 113-132.
47. Crockett, Kathryn. A historical analysis of *Bacillus anthracis* as a biological weapon and its application to the development of nonproliferation and defense strategies. George Mason University, 2006.
48. Defabachew, Eyassu Seifu. Application of the lactoperoxidase system to improve the quality and safety of goat milk and goat cheese. Diss. University of Pretoria, 2006.
49. Dembek, Zygmunt F. "The history and threat of biological weapons and bioterrorism." *Hospital Preparation for Bioterror*. Academic Press, 2006. 17-35.
50. Donati, D., et al. "Tropical and travel-associated diseases." *J Immunol* 177 (2006): 3294-3302.
51. Fisher, M.L., Castillo, C., Mecsas, J. Intranasal inoculation of mice with *Yersinia pseudotuberculosis* causes a lethal lung infection that is dependent on *Yersinia* outer proteins and PhoP (2007) *Infection and Immunity*, 75 (1), pp. 429-442.
52. Fratini, Filippo, et al. "Experimental infection with *Yersinia pseudotuberculosis* in European brown hare (*Lepus europaeus*, Pallas)." *Asian Pacific Journal of Tropical Medicine* 10.3 (2017): 285-291.
53. Fredriksson-Ahomaa, M. Epidemiology of human *Yersinia pseudotuberculosis* infection [Epidemiologic

- von *Yersinia pseudotuberculosis* Infektionen beim Menschen] (2009) Archiv für Lebensmittelhygiene, 60 (2), pp. 82-87.
54. Fredriksson-Ahomaa, M., Wacheck, S., Koenig, M., Stolle, A., Stephan, R. Prevalence of pathogenic *Yersinia enterocolitica* and *Yersinia pseudotuberculosis* in wild boars in Switzerland (2009) International Journal of Food Microbiology, 135 (3), pp. 199-202.
 55. Frimodt-Møller, N., Hammerum, A.M. Food safety revisited (2006) Journal of Infectious Diseases, 194 (9), pp. 1191-1193.
 56. Fujita, Osamu, et al. "Development of a real-time PCR assay for detection and quantification of *Francisella tularensis*." Japanese journal of infectious diseases 59.1 (2006): 46.
 57. Georgiev, D. Habitats of the Otter (*Lutra lutra* L.) in some Regions of Southern Bulgaria. IUCN Otter Spec. Group Bull, 2005, 22, 1, 6-13.
 58. Goodwin, Steven Mark. Chemistry and genetics of plant cuticle function as a permeability barrier. Diss. Purdue University, 2006.
 59. Gratz, Norman. Vector-and rodent-borne diseases in Europe and North America: distribution, public health burden, and control. Cambridge University Press, 2006.
 60. Hamel D, Silaghi C, Lescai D, Pfister K. Epidemiological aspects on vector-borne infections in stray and pet dogs from Romania and Hungary with focus on *Babesia* spp. Parasitol. Res., 110 (4), 2012, 1537-1545.
 61. Hudson, Krischan Jerry. The mechanisms and functions of the *Yersinia pseudotuberculosis* outer membrane adhesins invasin and YadA in phagocytic uptake and systemic infections. University of Virginia, 2006.
 62. Jalava, K., S. Hallanvuo, U.-M. Nakari, et al. Multiple outbreaks of *Yersinia pseudotuberculosis* infections in Finland. J. Clin. Microbiol. 2004, 42, 6, 2789-2791.
 63. Janda, J. Michael, and Sharon L. Abbott. "The genus *Hafnia*: from soup to nuts." Clinical microbiology reviews 19.1 (2006): 12-28.
 64. Kisková J, Hrehová Z, Janiga M, Lukáč M, Haas M. Bacterial prevalence in the Dunnock (*Prunella modularis*) in sub-alpine habitats of the Western Carpathians, Slovak Republic, Ornis Fennica, 89 (1), 2012, 2-80.
 65. Laukkanen, R. Enteropathogenic *Yersinia* in pork production. PhD Thesis, University of Helsinki, 2010.
 66. Laukkanen, R., Martínez, P.O., Siekkinen, K.-M., Ranta, J., Majjala, R., Korkeala, H. Transmission of *Yersinia pseudotuberculosis* in the pork production chain from farm to slaughterhouse (2008) Applied and Environmental Microbiology, 74 (17), pp. 5444-5450.
 67. Leibiger, R., Niedung, K., Geginat, G., Heesemann, J., Trülsch, K. *Yersinia enterocolitica* Yop mutants as oral live carrier vaccines (2008) Vaccine, 26 (51), pp. 6664-6670.
 68. Mak, Windsor, Raymond TF Cheung, and Shu Leong Ho. "Biological basis of the racial disparities in health and diseases: an evolutionary perspective." Racial and Ethnic Disparities in Health and Health Care (2006).
 69. Martin, Yvonne. Pseudodistomin E: Versuche zur Totalsynthese über das Konzept der Tandem Wittig-[3+ 2]-Cycloaddition. Diss. Universität Würzburg, 2006.
 70. Martínez, P.O. Prevalence of enteropathogenic *Yersinia* in pigs from different European countries and contamination in the pork production chain. Department of Food Hygiene and Environmental Health, Faculty of Veterinary Medicine, University of Helsinki, Finland, Academic Dissertation, 2010
 71. Mattix, Marc E., et al. "Clinicopathologic aspects of animal and zoonotic diseases of bioterrorism." Clinics in laboratory medicine 26.2 (2006): 445-489.
 72. Niskanen, T. Diagnostics and epidemiology of *Yersinia pseudotuberculosis*. Academic Dissertation. Department of Food and Environmental Hygiene, Faculty of Veterinary Medicine, University of

Helsinki, Finland, 2009

73. Novotný, M., Fečková, M., Janiga, M., Lukáš, M., Novotná, M., Kovalčíková, Z. High incidence of *Yersinia enterocolitica* (Enterobacteriaceae) in Alpine Accentors *Prunella collaris* of the Tatra Mountains (2007) *Acta Ornithologica*, 42 (2), pp. 137-143.
74. Nowakiewicz, Aneta, et al. "Free-living species of carnivorous mammals in Poland: Red fox, beech marten, and raccoon as a potential reservoir of *Salmonella*, *Yersinia*, *Listeria* spp. and coagulase-positive *Staphylococcus*." *PLoS One* 11.5 (2016): e0155533.
75. Odyniec, Marta, et al. "Bioserotypes, Virulence Markers, and Antimicrobial Susceptibility of *Yersinia enterocolitica* Strains Isolated from Free-Living Birds." *BioMed Research International* (2020):8936591
76. Olano, Juan P., C. J. Peters, and David H. Walker. "Distinguishing tropical infectious diseases from bioterrorism." *Tropical Infectious Diseases* (2006): 1386.
77. Oliveira M, Pedroso N, Sales-Luís T, et al. Evidence of Antimicrobial Resistance in Eurasian Otter (*Lutra lutra* Linnaeus, 1758) Fecal Bacteria in Portugal. In: *Wildlife: destruction, conservation, and biodiversity* (J.D. Harris and P.L. Brown, eds.), 2009, pp. 201-221.
78. Oliveira, M., Sales-Luís, T., Duarte, A., Nunes, S.F., Carneiro, C., Tenreiro, T., Tenreiro, R., Santos-Reis, M., Tavares, L., Vilela, C.L. First assessment of microbial diversity in faecal microflora of Eurasian otter (*Lutra lutra* Linnaeus, 1758) in Portugal (2008) *European Journal of Wildlife Research*, 54 (2), pp. 245-252.
79. Oliveira, M., Sales-Luís, T., Semedo-Lemsaddek, T., et al. Antimicrobial resistant *Aeromonas* isolated from Eurasian Otters (*Lutra lutra* Linnaeus, 1758) in Portugal. *Persp. Anim. Ecol. Reprod.*, 2010, 123-144.
80. Powell, Jillian Elizabeth. Bacteriocins and bacteriocin producers present in kefir and kefir grains. Diss. Stellenbosch: University of Stellenbosch, 2006.
81. Ray, Prasanta K. Disaster Preparedness Against Accidents Or Terrorist Attack. New Age International, 2006.
82. Reinhardt, Marie, et al. "*Yersinia pseudotuberculosis* prevalence and diversity in wild boars in Northeast Germany." *Applied and environmental microbiology* 84.18 (2018).
83. Sagarna, X.G. Los carnívoros silvestres como reservorios de enfermedades de interés en sanidad animal y salud pública. Universidad del País Vasco, Tesis Doctorales, Vitoria Gasteiz, 2010.
84. Syczyło, Kinga, et al. "The prevalence of *Yersinia enterocolitica* in game animals in Poland." *PloS one* 13.3 (2018).
85. Tschäpe, Helmut, et al. "Population Structure of." *J. Bacteriol* 188.14 (2006): 5319.
86. Vanantwerpen, G., Houf, K., Van Damme, I., et al. Estimation of the within-batch prevalence and quantification of human pathogenic *Yersinia enterocolitica* in pigs at slaughter. *Food Control*, 2013, 1, 34, 9-12.
87. Vanantwerpen, G., Van Damme, I., De Zutter, L., et al. Seroprevalence of enteropathogenic *Yersinia* spp. in pig batches at slaughter. *Prev. Vet. Med.*, 2014, 116, 1-2, 193-196.
88. von Altrock, A. Seinige, D. Kehrenberg, C *Yersinia enterocolitica* isolates from wild boars hunted in Lower Saxony, Germany *Applied and Environmental Microbiology* 2015, 81, 14, 4835-4840
89. Wacheck, S. Mikrobiologische und sensorische Untersuchung tiefgefrorenen Wildbrets im Hinblick auf die Festlegung mikrobiologischer Richtwerte. Dissertation, Institut für Hygiene und Technologie der Lebensmittel tierischen Ursprungs der tierärztlichen Fakultät der Ludwig-Maximilians-Universität München, 2008
90. Wacheck, S., Fredriksson-Ahomaa, M., König, M., Stolle, A., Stephan, R. Wild boars as an important reservoir for foodborne pathogens (2010) *Foodborne Pathogens and Disease*, 7 (3), pp. 307-312.
91. Wagner, Michael M., Louise S. Gresham, and Virginia Dato. "Case detection, outbreak detection, and

- outbreak characterization." Handbook of biosurveillance (2006): 27.
92. Wang, Hua. Investigation of the interactions between sanitizers, surface characteristics, washing conditions, and bacteria for improving microbial safety of fresh produce. University of Illinois at Urbana-Champaign, 2006.
 93. Yunis, Edmond J., et al. "Stem cells in aging: Influence of ontogenic, genetic and environmental factors." Journal of stem cells 1.2 (2006): 125.
 94. Zimmer, B., et al. "Automated methods for antibiotic susceptibility testing." Clinical Microbiology and Infection 12 (2006): 4.
- 3). Taskova, R., Mitova, M., NAJDENSKI, H., Tzvetkova, I., Duddeck, H. Antimicrobial activity and cytotoxicity of *Carthamus lanatus* (2002) Fitoterapia, 73 (6), pp. 540-543.**
95. Abdolmaleki, M., S. Bahraminejad and S. Abbasi. Antifungal activity of some plant crude extracts on four phytopathogenic fungi. J. Med. Plants. 2011, 10(38), 148-155.
 96. Abdou, H.S., Sh, S., & Booles, H.F. Effect of pomegranate pretreatment on genotoxicity and hepatotoxicity induced by carbon tetrachloride (CCl₄) in male rats. J. Med. Plants Res., 2012, 6(17), 3370-3380.
 97. Aky, Alisha, et al. "Effect of *Vigna radiata*, *Tamarix ramosissima* and *Carthamus lanatus* extracts on *Leishmania major* and *Leishmania tropica*: An in vitro study." Chinese Herbal Medicines 12.2 (2020): 171-177.
 98. Benlafya, K., Karrouchi, K., Charkaoui, Y., El Karbane, M., & Ramli, Y.. Antimicrobial activity of aqueous, ethanolic, methanolic, cyclohexanic extracts and essential oil of *Nigella sativa* seeds. Journal of Chemical & Pharmaceutical Research, 2014, 6(8), 9-11.
 99. Bukhari IA. The central analgesic and anti-inflammatory activities of the methanolic extract of *Carthamus oxycantha*. J. Physiol. Pharmacol. 3, 64, 2013, 369-375, ISSN: 0867-5910
 100. Campos, Marina Pereira de. "Análise do potencial antimicrobiano de extrato, frações e substâncias puras obtidas de *Piper solmsianum* CDC VAR. *solmsianum* (PIPERACEAE)." (2006).
 101. Celik, T.A. Potential genotoxic and cytotoxic effects of plant extracts. A Compendium of Essays on Alternative Therapy, (A. Bhattacharya, ed.), 2012, 233-250.
 102. De Campos, M.P. Análise do potencial antimicrobiano de extrato, frações e substâncias puras obtidas de *Piper solmsianum* CDC VAR. *solmsianum* (Peperaceae), Dissertação, Universidade do Vale do Itai, Centro de Ciências da Saúde, 2006
 103. Dilshad, Muhammad, et al. "New lipoxygenase and cholinesterase inhibitory sphingolipids from *Carthamus oxyacantha*." Natural Product Research 30.16 (2016): 1787-1795.
 104. Esmaili, S., et al. "Effects of hydro-alcoholic extract of some medicinal plants on control of *Alternaria solani* fungus causing tomato early blight disease." Iranian Journal of Medicinal and Aromatic Plants 35.4 (2019).
 105. FEROUZ, SANIA, and JAWAD ALI. "Preliminary phytochemical analysis, antioxidant, and antimicrobial evaluation of *Carthamus lanatus*." Innovare Journal of Science 4 (2016): 1-3.
 106. Gasimova, Shahla A. "The study of chemical composition of fatty oil from *Carthamus lanatus* (L.) Boiss. seeds."
 107. Gilani, A.H., Bukhari, I.A., Khan, R.A., Khan, A.-U., Ullah, F., Ahmad, V.U. Cholinomimetic and calcium channel blocking activities of *Carthamus oxycantha* (2005) Phytotherapy Research, 19 (8), pp. 679-683.
 108. Gong, Weifan, et al. "Research Progress on Chemical Constituents and Pharmacological Activities of *Carthamus L.*" (2017).
 109. Hassan, Shurooq Falah, and Intisar Hadi Al-Yasari. "Effect of alcoholic extract of medicinal plants *Nigella sativa* and *Foeniculum vulgare* in the growth of *Staphylococcus aureus*." Journal of Genetic and

110. Hassan, Z., Ahmad, V.U., Hussain, J., Zahoor, A., Siddiqui, I.N., Rasool, N., Zubair, M. Two new carthamosides from *Carthamus oxycantha* (2010) *Natural Product Communications*, 5 (3), pp. 419-422.
111. Hosseinzadeh, H., Fazly Bazzaz, B.S., Haghi, M.M. Antibacterial activity of total extracts and essential oil of *Nigella sativa* L. seeds in mice (2007) *Pharmacologyonline*, 2, pp. 429-435.
112. Ivancheva, S., M. Nikolova and R. Tsvetkova. Pharmacological activities and biologically active compounds of Bulgarian medicinal plants. In: *Phytochemistry: Advances in Research*, (F. Imperato, ed.), 2006: 87-103.
113. Karima, Saffidine, Sahli Farida, and Zerroug Mohamed Mihoub. "Antimicrobial activity of an Algerian medicinal plant: *Carthamus caeruleus* L." *Pharmacognosy Communications* 3.4 (2013).
114. Kasper, Cornelia. *Neue Ansätze in der Zellkulturtechnik*. Diss. 2006.
115. Khalil, Hany Ezzat, and Anas AlAhmed. "Phytochemical Analysis and Free Radical Scavenging Activity of *Carthamus oxyacantha* Growing in Saudi Arabia: A Comparative Study."
116. Kim, Jiseon, et al. "Assessment of Metabolic Profiles in Florets of *Carthamus* Species Using Ultra-Performance Liquid Chromatography-Mass Spectrometry." *Metabolites* 10.11 (2020): 440, 1-19.
117. Li, B.-Q., Wu, C.-C., Wu, Z.-W. The development roadmap analysis on China's Forest Parks (2009) *Shengtai Xuebao/ Acta Ecologica Sinica*, 29 (5), pp. 2749-2756.
118. Liao, Y.W., Chen, C.R., Hsu, J.L., et al. Norcucurbitane triterpenoids from the fruits of *Momordica charantia* var. *abbreviata*. *Nat. Prod. Commun.*, 2013, 8(1), 79-81.
119. Martinez, M.J.A., R.M. Lazaro, L.M. Bedoya Del Olmo, and P.B. Benito. Anti-infectious activity in the anthemideae tribe. *Studies in Natural Products Chemistry*, 2008, 35, 445-516.
120. Moosavi, M.R. Nematicidal effect of some herbal powders and their aqueous extracts against *Meloidogyne javanica*. *Nematropica*, 2012, 42(1), 48-56.
121. RAFIQ, MUHAMMAD, ARSHAD JAVAID, and AMNA SHOAIIB. "Antifungal activity of methanolic leaf extract of *Carthamus oxycantha* against *Rhizoctonia solani*." *Pak. J. Bot* 53 (2020): 3.
122. Rafiq, Muhammad, Arshad Javaid, and Amna Shoaib. "Possible antifungal and antibacterial constituents in inflorescence extract of *Carthamus oxycantha*." *Mycopath* 15.2 (2017): 89-95.
123. Roy, A. and C. Saraf . Ethnomedicinal approach in biological and chemical investigation of phytochemicals as antimicrobials, *Pharmaceutical Reviews*, 2006, 4, 2.
124. Salem, N., Msaada, K., Dhifi, W., et al. Effect of drought on safflower natural dyes and their biological activities. *EXCLI J.*, 2014, 13, 1-18
125. Schinor, E.C., Salvador, M.J., Ito, I.Y., Dias, D.A. Evaluation of the antimicrobial activity of crude extracts and isolated constituents from *Chresta scapigera* (2007) *Brazilian Journal of Microbiology*, 38 (1), pp. 145-149.
126. Singh, A. Phytomedicinal investigation for antimicrobials based on chemical and biological properties of herbal medicines: an overview. *Novel Sci. Int. J. Pharm. Sci.*, 2012, 1(7).
127. SULTAN, S. M., DIKSHIT, N., & SIVARAJ, N. (2015). Diversity, distribution and conservation of Saffron Thistle (*Carthamus lanatus* L.) in mid-high altitude temperate zone of Jammu and Kashmir, India: A DIVA-GIS study. *Tropical Ecology*, 56(3), 303-310.
128. Tanis, H., Aygan, A., Digrak, M. Antimicrobial activity of four *Nigella* species grown in southern turkey (2009) *International Journal of Agriculture and Biology*, 11 (6), pp. 771-774.
129. Toker, Z., Keskin, C. Composition of essential oil of *Carthamus glaucus* Bieb. subsp. *Glaucus* (2008) *Asian Journal of Chemistry*, 20 (2), pp. 1651-1653.
130. Zhang, W., Cheng, Z., Liu, Y., Wu, J., He, D. The bactericidal and aromatic substance of volatile gas of the plant. *Ecology and Environment*, 2007, 16, 3, 1455-1459.
131. Zhou Li, Huang Ji, Xu Han, Zhang Xin. Anti-microbial activities and active ingredients of

compositae plants. *Acta Botanica Boreali-Occidentalia Sinica*, 2006, 26, 9.

4). Trusheva, B., M. Popova, V. Bankova, I. Tsvetkova, C. NAYDENSKY, A.G. Sabatini. A new type of European propolis, containing bioactive labdabes. *Rivista Italiana E.P.P.O.S.* 36, 3 – 7 (2003)

132. Al-Ghamdi, Ahmad A., et al. "Chemical compositions and characteristics of organic compounds in propolis from Yemen." *Saudi journal of biological sciences* 24.5 (2017): 1094-1103.
133. Aliboni, A., D'Andrea, A., & Massanisso, P. Propolis specimens from different locations of Central Italy: chemical profiling and gas chromatography– mass spectrometry (GC– MS) quantitative analysis of the allergenic esters benzyl cinnamate and benzyl salicylate. *J. Agr. Food Chem.*, 2010, 59(1), 282-288.
134. Almohammadi, Ohood Hasan, et al. "Chemical composition of propolis from the Baha region in Saudi Arabia." *Czech Journal of Food Sciences* 36.2 (2018): 109-118.
135. Aminimoghadamfarouj, Noushin, and Alireza Nematollahi. "Propolis diterpenes as a remarkable bio-source for drug discovery development: a review." *International journal of molecular sciences* 18.6 (2017): 1290.
136. Bakdash, Abdulsallam, et al. "Chemical composition of propolis from the Baha region in Saudi Arabia." *Czech J. Food Sci* 36.2 (2018): 00-10.
137. Barrero, A. F., Herrador, M., Arteaga, P., et al. Communic acids: occurrence, properties and use as chirons for the synthesis of bioactive compounds. *Molecules*, 2012, 17(2), 1448-1467.
138. Carrillo J.L.R. Fundamentos científicos de la apiterapia la miel de abeja y el propóleo. 19 Congreso Internacional de Actualización Apícola, 72-80 6-8 Junio, 2012, Oaxaca, OAXACA, Mexico
139. Cupull-Santana, R.D., Cortés-Rodríguez, R., Olazábal-Manso, E.E., & Hernández-Medina, C.A. Actividad antifúngica de propóleos obtenidos en tres provincias de Cuba sobre hongos contaminantes en cultivo de tejidos vegetales. *Acta Universitaria*, 2013, 23(6), 3-9.
140. da Silva J.C.S. Própolis: teor em fenóis totais e actividades antimicrobiana e inibitória da enzima hialorunidade Instituto Politecnico Escola Superior Agraria De Bragança, 2012, PhD Thesis
141. da Silva Nascimento, Rosilene. "Desenvolvimento de métodos analíticos para a análise de própolis utilizando técnicas espectrométricas e análise multivariada." (2013).
142. Fernández, M. C. Estudio químico de propóleos rojos cubanos. Editorial Universitaria. PhD Thesis, Universidad de la Habana. 2007.
143. Fokt, H., Pereira, A., Ferreira, A.M., et al. How do bees prevent hive infections? The antimicrobial properties of propolis. *Curr. Res. Technol. Educ. Topics Appl. Microbiol. Microb. Biotechnol.*, 2010, 1, 481-4493.
144. Gil-Gonzales, J., Durango-Restrepo, D.L., Rojano, B.A., Martin-Loaiza, G. Antioxidant activity and Chemical Composition of Colombian Propolis. In: *Natural Antioxidants and Biocides from Wild Medicinal Plants* Edited by C. Cespedes, D. Sampietro, D. Seigler, M. Rai. CABI, 2013, 92-116
145. Martínez, J., Garcia, C., Durango, D., et al. Characterization of propolis from municipality of Caldas obtained through two collection methods. *Revista MVZ Córdoba*, 2012, 17(1), 2861-2869.
146. Miguel, M. G. Chemical and biological properties of propolis from the western countries of the Mediterranean basin and Portugal. *Int. J. Pharm. Pharmac. Sci.*, 2013, 5(3), 403-409.
147. Miguel, M. G., & Antunes, M. D. Is propolis safe as an alternative medicine? *J. Pharm. & Bioal. Sci.*, 2011, 3(4), 479-495.
148. Miguel, Maria Graça, and Maria Dulce Antunes. "Is propolis safe as an alternative medicine?." *Journal of pharmacy & bioallied sciences* 3.4 (2011): 479.
149. Milet-Pinheiro, Paulo, et al. "A Semivolatile Floral Scent Marks the Shift to a Novel Pollination System in Bromeliads." *Current Biology* 31.4 (2021): 860-868.
150. Ohkura, Naoki, Keiji Maruyama, and Fumiko Kihara Negishi. "Possible antithrombotic properties of

propolis." *Journal of Apitherapy* 7.1 (2020): 1-9.

151. Paul, S., Emmanuel, T., Matchawe, C., Alembert, T. T., Elisabeth, Z. O. M., Maurice, T. A. G. A. T. S. I. N. G., ... & Joel, Y. A. G. Pentacyclic triterpenes and crude extracts with antimicrobial activity from Cameroonian brown propolis samples. *Journal of Applied Pharmaceutical Science* (2014), 4(07), 001-009.
152. Rabiya, A. H. Treatment of periodontal disease with high functional paste made from nanoemulsion gel "NBF". *Guident*, 2013, 7(1), 102-103.
153. Righi, A.A. Extratos brutos e constituintes de própolis brasileiras: avaliação dos efeitos nos carrapatos *Rhipicephalus sanguineus*, *Rhipicephalus microplus* e *Amblyomma cajennense*, PhD Thesis, Instituto de Biociências, Sao Paulo, 2013.
154. Roldan, A.M., J. Enrique, R. Chahboun, "Procedimiento para la obtención de ácido trans-comúnico y derivados a partir de *Cupressus sempervirens* L." (patent), ES 2 284 341 B1, 2008, 10-16.
155. Rushdi, A. I., Adgaba, N., Bayaqoob, N. I., Al-Khazim, A., Simoneit, B. I., El-Mubarak, A. H., & Al-Mutlaq, K. F. Characteristics and chemical compositions of propolis from Ethiopia. *SpringerPlus*, 2014, 3(1), 1-9.
156. Santana, René Dionisio Cupull. "Actividad antifúngica de propóleos obtenidos en tres provincias de Cuba sobre hongos contaminantes en cultivo de tejidos vegetales." (2014).
157. Shehu A., Rohin M.A.K., Aziz A.A., Ismail S. Antifungal, characteristic properties and composition of bee glue (propolis). *Journal of Chemical and Pharmaceutical Research*, 2015, 7(3): 1992-1996.
158. Tamfu, A. N., et al. "A new isoflavonol and other constituents from Cameroonian propolis and evaluation of their anti-inflammatory, antifungal and antioxidant potential" *Journal of Natural Products and Resources*.
159. Tran, Trong D., et al. "Lessons from exploring chemical space and chemical diversity of propolis components." *International journal of molecular sciences* 21.14 (2020): 4988.
160. Wagh, V.D, Propolis: a wonder bees product and its pharmacological potentials. *Adv. Pharm. Sci.*, 2013, Art. ID 308249, 1-11 <http://dx.doi.org/10.1155/2013/308249>
161. Wagh, V.D., & Borkar, R.D. Indian propolis: a potential natural antimicrobial and antifungal agent. *Int. J. Pharm. Pharmac. Sci.*, 2012, 4, 12-17.
162. Zammita, E.J., Theumab, K.B., Darmaninb, S., et al. Totarol content and cytotoxicity varies significantly in different types of propolis. *Res. J. Pharm., Biol. Chem. Sci.*, 2013, 4, 3, 1047-1057.
163. Zingue, Stéphane, et al. "Ethanol-extracted Cameroonian propolis exerts estrogenic effects and alleviates hot flushes in ovariectomized Wistar rats." *BMC complementary and alternative medicine* 17.1 (2017): 1-17.

5). Orozova, P., Chikova, V., Kolarova, V., Nenova, R., Konovska, M., NAJDENSKI, H. Antibiotic resistance of potentially pathogenic *Aeromonas* strains. *Trakia J. Sci.*, 2008, 6, 71-77.

164. Abou-Elela, G.M., N.A. El-Sersy, H. Abd-Elnaby, and S.H Wefki. Distribution and bio-diversity of faecal indicators and potentially harmful pathogens in North Delta (Egypt) - *Australian Journal of Basic and Applied Sciences*, 2009, 3, 4, 3374-3385.
165. Al-Ruwaili, M.A. Bacterial assessment and antibiotic susceptibility of pathogenic. *Microbes in Applied Research: Current Advances and Challenges*, 2012, 33-38.
166. Anowai, C. O., O. O. Agarry, and B. C. Akin-Osanaiye. "Antibiotic Susceptibility Profile of *Staphylococcus Aureus* Isolated From Food Handlers in Abuja, Nigeria Review."
167. Bright Singh, I. S., Philip Rosamma, and K. Sreedharan. "Virulence Potential And Antibiotic Susceptibility Pattern Of Motile *Aeromonads* Associated With Freshwater Ornamental Fish Culture Systems: A Possible Threat To public Health." (2012).
168. dos Santos, F. G. B., Gouveia, G. V., de França, C. A., de Souza, M. G., & da Costa, M. M.

- Microbiota bacteriana com potencial patogênico em pacamã e perfil de sensibilidade a antimicrobianos. *Revista Caatinga*, 27(2), 2014, 176-183.
169. Garba, S., et al. "Vancomycin resistant *Staphylococcus aureus* from clinical isolates in Zaria Metropolis, Kaduna State." *Clin Infect Dis* 2.105 (2018): 2.
 170. Hamid, Nur Hidayahanum. Evaluation of Natural Immunostimulants for Growth Promotion and Protection Against *Aeromonas Hydrophila* in Juvenile Red Hybrid Tilapia (*Oreochromis Sp.*). Diss. Universiti Putra Malaysia, 2014.
 171. Igbiosa, Isoken H., Etinosa O. Igbiosa, and Anthony I. Okoh. "Antibiogram characterization and putative virulence genes in *Aeromonas* species isolated from pig fecal samples." *Environmental Science and Pollution Research* 23.12 (2016): 12199-12205.
 172. Igwe J.C., et al. "Impact of Outer Membrane Protein OmpC and OmpF on Antibiotics Resistance of *E. coli* Isolated from UTI and Diarrhoeic Patients in Zaria, Nigeria", *Clinical Microbiology: Open Access*. (2016).
 173. Igwe, J. C., et al. "Tetracycline resistant genes in *E. coli* isolated from UTI and diarrhea patients in Zaria, Nigeria." *Clinical Microbiology: Open Access* (2015).
 174. Igwe, J., et al. "Virulent characteristics of multidrug resistant *E. coli* from Zaria, Nigeria." *Clin Microbiol Open Access* 5 (2016).
 175. Islam, Md Sherajul, et al. "Antimicrobial resistance of *Aeromonas* spp. isolated from the carp farm following Streptomycin treatment." (2015).
 176. Loka, Jayasree, et al. "Multiple antibiotic resistance pattern of *Vibrio harveyi* from luminous vibriosis affected cultured tiger shrimp, *Penaeus monodon* in Andhra Pradesh, India." *International Journal of Current microbiology and Applied Sciences* 4.11 (2015): 523-535.
 177. M Aly, Salah, Waleed F Khalil, and Samar M Ghaleb. "Antibacterial activity, biochemical effect and tissue residue of fourth generation cephalosporin used in treatment of Nile tilapia fish against bacterial infection." *Egyptian Journal of Aquatic Biology and Fisheries* 24.3 (2020): 29-43.
 178. Mahyuni, Siti, and Trirakhma Sofihidayati. "KADAR SAPONIN DAN AKTIVITAS ANTIBAKTERI EKSTRAK DAUN *Filicium decipiens* (Wight & Arn.) Thwaites TERHADAP *Staphylococcus aureus*, *Escherichia coli* DAN *Candida albicans*." *FITOFARMAKA: Jurnal Ilmiah Farmasi* 8.2 (2018): 92-109.
 179. Mudryk, Z.J., Kosiorek, A., & Perliński, P. In vitro antibiotic resistance of *Vibrio*-like organisms isolated from seawater and sand of marine recreation beach in the southern Baltic Sea. *Hydrobiologia*, 2013, 702(1), 141-150.
 180. Mudryk, Zbigniew J., et al. Occurrence of potentially human pathogenic bacteria in the seawater and in the sand of the recreational coastal beach in the southern Baltic Sea. *Oceanological and Hydrobiological Studies* 43.4 (2014): 366-373.
 181. Mudryk, Zbigniew Jan, P. Perlinski, and Joanna Gackowska. Antibiotic resistance of *Aeromonas* spp. isolated from seawater and sand of marine recreation beach in the southern Baltic Sea. *Baltic Coastal Zone. Journal of Ecology and Protection of the Coastline* 19 (2015).
 182. Nofiani, Risa, Siti Nurbetty, and Ajuk Sapar. "Antimicrobial activities of methanol extract from unidentified sponge associated bacteria in Lemukutan Island, Kalimantan Barat." *Jurnal Ilmu dan Teknologi Kelautan Tropis* 1.2 (2009).
 183. Obajuluwa, A.F., Udobi, C.E., Onaolapo, J.A., et al. Comparative studies of the antibacterial activities of the extracts of parts of the African Locust Bean (*Parkia Biglobosa*) tree against hyper beta lactamase producing staphylococci (phenotypic MRSA) isolates from orthopaedic patients. *Int. J. Pharma & Bio Sciences*, 2010, 1(4).
 184. Okafor, C. N., et al. "Antibiotic susceptibility profile of *Escherichia coli* serotype O157: H7 from

River Kaduna, Nigeria." AFRICAN JOURNAL OF NATURAL SCIENCES (AJNS) ISSN 1119-1104 21 (2019).

185. Onaolapo, J. A., et al. "Antimicrobial Susceptibility Pattern of Staphylococcus aureus Isolates from Orthopaedic Patients in Abuth, Zaria." J Food Ind Microbiol 2.106 (2016): 2.
186. Skórczewski, P., Mudryk, Z. J., Miranowicz, J., et al. Antibiotic resistance of Staphylococcus-like organisms isolated from a recreational sea beach on the southern coast of the Baltic Sea as one of the consequences of anthropogenic pressure. Oceanological and Hydrobiological Studies, 2014, 43(1), 41-48
187. Sreedharan, Krishnan, Rosamma Philip, and Isaac Sarojani Bright Singh. "Virulence potential and antibiotic susceptibility pattern of motile aeromonads associated with freshwater ornamental fish culture systems: a possible threat to public health." Brazilian Journal of Microbiology 43.2 (2012): 754-765.
188. Stratev, Deyan, and Olumide A. Odeyemi. "Antimicrobial resistance of Aeromonas hydrophila isolated from different food sources: A mini-review." Journal of infection and public health 9.5 (2016): 535-544.
189. Velichkova, Katya, Ivaylo Sirakov, and Stefan Denev. "In vitro antibacterial effect of Lemna minuta, Chlorella vulgaris and Spirulina sp. extracts against fish pathogen Aeromonas hydrophila." Aquaculture, Aquarium, Conservation & Legislation 12.3 (2019): 936-940.
190. Zdanowicz, Marta, Zbigniew Jan Mudryk, and Piotr Perliński. "Abundance and antibiotic resistance of Aeromonas isolated from the water of three carp ponds." Veterinary research communications 44.1 (2020): 9-18.

6). Popova, M., V. Bankova, S. Spassov, I. Tsvetkova, C. NAYDENSKI, M. V.Silva, M. Tsartsarova. New Bioactive Chalcones in Propolis from El Salvador. Z. Naturforsch. 56c, 593 – 596 (2001).

191. Alday, Efrain, et al. "Advances in pharmacological activities and chemical composition of propolis produced in Americas." Beekeeping and Bee Conservation—Advances in Research (2016).
192. Al-Saheb, Rawan, et al. "Synthesis of new pyrazolone and pyrazole-based adamantyl chalcones and antimicrobial activity." Bioscience Reports 40.9 (2020):BSR20201950
193. Bin, Z., X. Bing. Research progress on propolis pathogenic biological effect. Chinese J. Pathogen Biol., 2011, 6 (7), 547-552.
194. Buchta, V., Černý, J., & Opletalová, V. In vitro antifungal activity of propolis samples of Czech and Slovak origin. Cent. Eur. J. Biol., 2011, 6(2), 160-166.
195. Cai Shuang, Shi Qing, Li Yujing. The inhibitory effect of propolis varnish on the growth and adhesion of S. mutans and S. sobrinus. J. Pract. Stomatol., 22(2), 171-174 (2006)
196. Correa, R., Fenner, B.P., Buzzzi, F.D.C., Cechinel Filho, V., Nunes, R.J. Zeitschrift fur Naturforschung - Section C Journal of Biosciences 63(11-12), 830-836 (2008)
197. Ferreira, Joselena M., et al. "New propolis type from north-east Brazil: chemical composition, antioxidant activity and botanical origin." Journal of the Science of Food and Agriculture (2017).
198. Joya, Milagros, Marielsa Gil, and Gilberto Bastidas-Pacheco. "Actividad fungistática y fungicida de extractos etanólicos de propóleos sobre el crecimiento in vitro de cepas del géneroCandida." Revista Tecnología en Marcha 30.3 (2017): 3-11.
199. Moorthi SS, Chinnakali K, Nanjundan S, et al. Acta crystallographica section e-structure reports online 61: O480-O482 Part 2 (2005)
200. Ohsaki, A., R. Yokoyama, H. Miyatake, F. Fukuyama. Chem. Pharm. Bull. 54(12), 1728 – 1729 (2006)
201. Ping, L. Antibacterial propolis in toothpaste. Daily Chem. Sci., 2010, 33 (7), 25-29.
202. Ping, L.P., L. Fang. Effects on acid production of water-soluble propolis on cariogenic bacteria and plaque biofilm morphology. Conserv. Dent. J., 2010, 5, 277-280
203. Półocka-Olech L., Krauze-Baranowska M. Pharmacological Activity of Chalcones Borgis - Postępy

204. Quintero-Mora ML, Londoño-Orozco A, Hernández-Hernández F, Manzano-Gayosso P, López-Martínez R, Soto-Zárate CI, Carrillo-Miranda L, Penieres-Carrillo G, García-Tovar CG, Cruz-Sánchez TA. *Rev Iberoam Micol.* 25(1):22-6 (2008)
205. RD'Arcy, B. Antioxidants in Australian Floral Honeys –Identification of health-enhancing nutrient components. A report for the Rural Industries Research and Development Corporation, 2005, RIRDC Publication No 05/040, 2005, p.94.
206. Salatino, A., Fernandes-Silva, C. C., Righi, A. A., & Salatino, M. L. F. Propolis research and the chemistry of plant products. *Nat. Prod. Rep.*, 2011, 28(5), 925-936.
207. Seidel, V., Peyfoon, E., Watson, D.G., Fearnley, J. *Phytotherapy Research* 22 (9), 1256-1263 (2008)
208. Senthana, S., Srinivasan, S., Kabilan, S. Synthesis, Molecular Structure, Spectral, Thermal, and DFT Studies of an Organic Crystal: 1-(benzo[d][1,3]dioxol-5-yl)-3-phenylprop-2-en-1-One. *Molecular Crystals and Liquid Crystals* 2015, 609, 249-265
209. Sforcin, Jose M. "Biological properties and therapeutic applications of propolis." *Phytotherapy research* 30.6 (2016): 894-905.
210. Suárez, M.D.L.C.P., Carballo, M.M.R., Cruz, E.G., Banqueris R.F.; I.B.Núñez; L.A. Hechavarria. Propoleum Gel for subprothesis stomatitis with associated candidiasis. *Multimed* 2006; 10(2) <http://www.multimedgrm.sld.cu/articulos/2006/v10-2/1.html>
211. Suárez, M.D.L.C.P., Cruz, E.G., Carballo, M.M.R., et al. Propoleoterapia en la estomatitis subprotesis con candidiasis asociada. Hospital Universitario "Celia Sánchez Manduley", Clínica Estomatológica Manzanillo, Granma, 2010, 1-15.
212. Sudha, S., Sundaraganesan, N., Vanchinathan, K., et al. Spectroscopic (FTIR, FT-Raman, NMR and UV) and molecular structure investigations of 1, 5-diphenylpenta-1, 4-dien-3-one: A combined experimental and theoretical study. *J. Mol. Struct.*, 2012. 1030, 191-203.
213. Sudha, S., Sundaraganesan, N., Vanchinathan, K., et al. Spectroscopic (FTIR, FT-Raman, NMR and UV) and molecular structure investigations of 1,5-diphenylpenta-2,4-dien-1-one: A combined experimental and theoretical approach. 2013, *Mol. Simulatio*, 4, 39, 330-349.
214. Suleman, Tasneem. The antimicrobial and chemical properties of South African propolis. Diss. 2016.
215. Sumathi, A., et al. "FT-IR, FT-Raman and UV-Visible Analysis of (2E, 6E)-2, 6-Dibenzylidene-4-(4-Hydroxyphenyl) Cyclohexanone-DFT Method." *Journal of Applicable Chemistry* 5.2 (2016): 346-368.
216. Tran, Trong D., et al. "Lessons from exploring chemical space and chemical diversity of propolis components." *International journal of molecular sciences* 21.14 (2020): 4988.1-35.
217. Vanchinathan, K., Bhagavannarayana, G., Muthu, K., & Meenakshisundaram, S.P. Synthesis, crystal growth and characterization of 1, 5-diphenylpenta-1, 4-dien-3-one: An organic crystal. *Physica B: Condensed Matter*, 2011, 406(22), 4195-4199.
218. Vasilev, R.F., Kancheva, V.D., Fedorova, G.F., et al. Antioxidant activity of chalcones: The chemiluminescence determination of the reactivity and the quantum chemical calculation of the energies and structures of reagents and intermediates. *Kinetics and Catalysis*, 2010, 51(4), 507-515.
219. WALI, ADIL F., et al. "BEE PROPOLIS (BEE'S GLUE): A PHYTOCHEMISTRY REVIEW." *Journal of Critical Reviews* 4.4 (2017).
220. Yan Xiong. In vitro antibacterial activity of domestic-made water-soluble propolis against oral anaerobic bacteria from the infected root canal. *Journal of Chongqing Medical University*, 2008, 33(12)
221. Yao, N., G. Jia, Zh. Lian-Xiang, Zh. Li-Dong. *Advances in Studies on Chemical Constituents of Propolis. World Science and Technology-Modernization of Traditional Chinese Medicine and Materia Medica*, 2006, 8, 1.

7). NAJDENSKI, H., Golkocheva, E., Vesselinova, A., Bengoechea, J.A., Skurnik, M. Proper

expression of the O-antigen of lipopolysaccharide is essential for the virulence of *Yersinia enterocolitica* O:8 in experimental oral infection of rabbits. (2003) FEMS Immunology and Medical Microbiology, 38 (2), pp. 97-106.

222. Triet, Tran H., et al. "Development and potential use of an *Edwardsiella ictaluri* wzz mutant as a live attenuated vaccine against enteric septicemia in *Pangasius hypophthalmus* (Tra catfish)." *Fish & shellfish immunology* 87 (2019): 87-95.
223. Tran, E.N.H., Papadopoulos, M., & Morona, R. Relationship between O-antigen chain length and resistance to colicin E2 in *Shigella flexneri*. *Microbiology*, 2014, 160(Pt 3), 589-601.
224. Zhang, Y., Li, X., Qi, X., et al. Identification and functional analysis of the gene *ste9* involving in Ebosin biosynthesis from *Streptomyces* sp. 139. *FEMS Microbiol.Let.* 2014, 350(2), 257-264.
225. Kaszowska, M., Jachymek, W., Lukasiewicz, J., et al. The unique structure of complete lipopolysaccharide isolated from semi-rough *Plesiomonas shigelloides* O37 (strain CNCTC 39/89) containing (2S)-O-(4-oxopentanoic acid)- α -D-Glcp (α -D-Lenose). *Carbohydr. Res.*, 2013, 378, 98-107.
226. Tran ENH., Morona R. Residues located inside the *Escherichia coli* FepE protein oligomer are essential for lipopolysaccharide O-antigen modal chain length regulation *Tran. Microbiology (United Kingdom)*, 4, 159, 2013, 701-714.
227. Yang, Z., Li, X., Qi, X., et al. Identification and functional analysis of the chain length determinant gene *ste8* involved in the biosynthesis of ebosin by *Streptomyces* sp. *J. Microbiol. Biotechnol.*, 2013, 11, 23, 1500-1508.
228. Greenfield LK, Whitfield C. Synthesis of lipopolysaccharide O-antigens by ABC transporter-dependent pathways. *Carbohydr. Res.*, 2012, 356, 12-24.
229. Clarke, B.R., Richards, M.R., Greenfield, L.K., et al. In vitro reconstruction of the chain termination reaction in biosynthesis of the *Escherichia coli* O9a O-polysaccharide the chain-length regulator, WbDD, catalyzes the addition of methyl phosphate to the non-reducing terminus of the growing glycan. *J. Biol. Chem.*, 2011, 286(48), 41391-41401.
230. Fang, X., M. Zhang, S. Li, C. Du, C. Sun, W. Han, L. Zhou and L. Lei. Differential gene expression in the pathogenic strains of *Actinobacillus pleuropneumoniae* serotypes 1 and 3. *Journal of Microbiology and Biotechnology*. 2010, 20(4), 789-797.
231. Hering, N. A. Die epitheliale Barriere als Zielstruktur pathogener und probiotischer Bakterien: Wirkmechanismen von *Y. enterocolitica* und *E. coli* Nissle. PhD Thesis, Freie Universität Berlin, 2010.
232. Pinta, E. Biosynthesis of *Yersinia enterocolitica* serotype O: 3 lipopolysaccharide outer core., PhD Thesis, University of Turku, 2010.
233. Xie F, Zhang MJ, Li SQ, et al. Differential gene expression in the pathogenic strains of *Actinobacillus pleuropneumoniae* serotypes 1 and 3. *J. Microbiol. Biotechnol.*, 2010, 20, 4, 789-797.
234. Matthias Ullrich. Bacterial polysaccharides. Current innovations and future trends (2009) Horizon Scientific Press
235. Reyes, R.E., S.H. Ramírez, G.C. Solís, H.M. Ortiz, R.C. Jimenez. Mecanismos involucrados en la variabilidad del antígeno O de bacterias Gram negativas. *Revista Latinoamericana de Microbiología*, 2009, 52, 32-43.
236. Rosa E. Reyes, Saad H.R., Galicia C.S., Herrera M.O., Jimenez R.C. Mecanismos involucrados en la variabilidad del antígeno O de bacterias Gram negativeas (2009) *Rev Latinoam Microbiol*, 51 (1-2), pp. 31-43.
237. Pérez-Gutiérrez, C., Llompart, C.M., Skurnik, M., Bengoechea, J.A. Expression of the *Yersinia enterocolitica* pYV-encoded type III secretion system is modulated by lipopolysaccharide O-antigen status (2007) *Infection and Immunity*, 75 (3), pp.1512-1516.
238. Tang, K.-H., Guo, H., Yi, W., Tsai, M.-D., Wang, P.G. Investigation of the conformational states of

- Wzz and the Wzz·O-antigen complex under near-physiological conditions (2007) *Biochemistry*, 46 (42), pp. 11744-11752
239. Zhao, G., Liu, J., Liu, X., Chen, M., Zhang, H., Wang, P.G. Cloning and characterization of GDP-perosamine synthetase (Per) from *Escherichia coli* O157:H7 and synthesis of GDP-perosamine in vitro (2007) *Biochemical and Biophysical Research Communications*, 363 (3), pp. 525-530.
240. Guo, H., Lokko, K., Zhang, Y., Yi, W., Wu, Z., Wang, P.G. Overexpression and characterization of Wzz of *Escherichia coli* O86:H2 (2006) *Protein Expression and Purification*, 48 (1), pp. 49-55.
241. Feodorova, V.A., Golova, A.B. Antigenic and phenotypic modifications of *Yersinia pestis* under calcium and glucose concentrations simulating the mammalian bloodstream environment (2005) *Journal of Medical Microbiology*, 54 (5), pp. 435-441.
242. Guo, H., Yi, W., Shao, J., Lu, Y., Zhang, W., Song, J., Wang, P.G. Molecular analysis of the O-antigen gene cluster of *Escherichia coli* O86:B7 and characterization of the chain length determinant gene (wzz) (2005) *Applied and Environmental Microbiology*, 71 (12), pp. 7995-8001.
243. Clarke, B.R., L. Cuthbertson, and C. Whitfield. Nonreducing terminal modifications determine the chain length of polymannose O antigens of *Escherichia coli* and couple chain termination to polymer export via an ATP-binding cassette transporter. *J. Biol. Chem.*, 2004, 279, 34, 35709-35718
244. Kukkonen, M., Structure-function relationships in the omptin family of enterobacterial proteases/adhesins. Acad. Dissert. in Gen. Microbiol., Helsinki 2003.
245. Паунова-Кръстева, Ц.С. Фенотипни вариации свързани с полизахаридните антигени при *Escherichia coli* O157. Дисертация за присъждане на образователната и научна степен „доктор”. София 2015
- 8). Kamenarska, Z., Dimitrova-Konaklieva, S., Stefanov, K., NAJDENSKI, H., Tzvetkova, I., Popov, S. Comparative study of the volatile compounds from some Black Sea brown algae (2002) *Botanica Marina*, 45 (6), pp. 502-509.**
246. Alcaide, María, et al. "Pressure adaptation is linked to thermal adaptation in salt-saturated marine habitats." *Environmental microbiology* 17.2 (2015): 332-345.
247. Alves, C., Oliveira, T., Pio, C., Silvestre, A.J.D., Fialho, P., Barata, F., Legrand, M. Characterisation of carbonaceous aerosols from the Azorean Island of Terceira (2007) *Atmospheric Environment*, 41 (7), pp. 1359-1373.
248. Borik, Rita M. "Volatile compounds extraction, fractionation and identification from the red alga *Corallina officinalis*." *World Applied Sciences Journal* 30.6 (2014): 741-746.
249. Brito, Leonor, Mary Isabel Segnini, and Oscar Crescente. "IDENTIFICACIÓN DE ALGUNOS CONSTITUYENTES QUÍMICOS DE *GELIDIUM SERRULATUM* (GELIDIALES: RHODOPHYTA) MEDIANTE CROMATOGRAFÍA DE GASES-ESPECTROMETRÍA DE MASAS." *Boletín del Instituto Oceanográfico de Venezuela* 55.2 (2016).
250. Cajnko, Miša Mojca, Uroš Novak, and Blaž Likozar. "Cascade valorization process of brown alga seaweed *Laminaria hyperborea* by isolation of polyphenols and alginate." *Journal of Applied Phycology* 31.6 (2019): 3915-3924.
251. Demirel, Z, F.F. Yilmaz-Koz, N.U. Karabay-Yavasoglu, et al. Antimicrobial and antioxidant activities of solvent extracts and the essential oil composition of *Laurencia obtusa* and *Laurencia obtusa* var. *pyramidata*. *Romanian Biotechnol. Lett.*, 2011, 16, 1.
252. Demirel, Z., Yilmaz-Koz, F.F., Karabay-Yavasoglu, U.N., Ozdemir, G., Sukatar, A. Antimicrobial and antioxidant activity of brown algae from the Aegean Sea [Russian Source] (2009) *Journal of the Serbian Chemical Society*, 74 (6), pp. 619-628.
253. Demirel, Zeliha, et al. "Antimicrobial and antioxidant activities of solvent extracts and the essential oil composition of *Laurencia obtusa* and *Laurencia obtusa* var. *pyramidata*." *Romanian biotechnological*

letters 16.1 (2011): 5927-5936.

254. Erakin, S., Güven, K.C. The volatile petroleum hydrocarbons in marine algae around Turkish coasts (2008) *Acta Pharmaceutica Scientia*, 50 (3), pp. 167-182.
255. Farré-Armengol, G., Filella, I., Llusà, J., Peñuelas, J. Pollination mode determines floral scent (Article) *Biochemical Systematics and Ecology* 2015,61, 44-53
256. Fauziyah, Nahdlotul, et al. "Postharvest processing of *Sargassum duplicatum* for tea products." *Journal of Applied Phycology* 33.2 (2021): 1209-1216.
257. Felício, Rafael de. Produtos naturais marinhos: identificação de metabólitos fenólicos halogenados na macroalga *Bostrychia tenella* (Rhodomelaceae, Rhodophyta) e potencial biológico de micro-organismos endofíticos associados. Diss. Universidade de São Paulo, 2010.
258. Ferraces-Casais, P., Lage-Yusty, M.A., Rodríguez-Bernaldo, De Q-A., et al. Rapid identification of volatile compounds in fresh seaweed. *Talanta*, 2013, 115, 798-800.
259. Firouzi, J., Gohari, A.R., Rustaiyan, A., et al. Composition of the essential oil of *Nizamuddinina zanardinii*, a brown alga collected from Oman Gulf. *J. Essent. Oil Bear. Plants*, 2013, 16(5), 689-692.
260. García, Fini Sánchez. "Evolución de los compuestos volátiles y características sensoriales en *Ulva rigida* durante su almacenamiento." *ESTUDIO Y EVALUACIÓN DEL POTENCIAL ALIMENTARIO DEL ALGA VERDE Ulva spp. DE LOS ESTEROS GADITANOS* 99.12: 135.
261. Guschina, I.A., Harwood, J.L. Lipids and lipid metabolism in eukaryotic algae (2006) *Progress in Lipid Research*, 45 (2), pp. 160-186.
262. Güven, KASIM C., Burak Coban, and H. U. S. E. Y. I. N. Erdugan. "A chemical research on three red algae *Gracilaria bursa-pastoris*, *Phyllophora crispa* and *Laurencia obtusa* var. *pyramidata*." *Asian Journal of Chemistry* 26.18 (2014): 6118-6120.
263. López-Pérez, O., A. Picon, and M. Nuñez. "Volatile compounds and odour characteristics of seven species of dehydrated edible seaweeds." *Food Research International* 99 (2017): 1002-1010.
264. López-Pérez, Olga, et al. "Volatile compounds and odour characteristics of five edible seaweeds preserved by high pressure processing: Changes during refrigerated storage." *Algal Research* 53 (2021): 102137.
265. López-Pérez, Olga, et al. "Volatile compounds and odour characteristics during long-term storage of kombu seaweed (*Laminaria ochroleuca*) preserved by high pressure processing, freezing and salting." *LWT* 118 (2020): 108710.
266. Park, Na-Bi, et al. "Antimicrobial activity of *Myagropsis yendoi* extract." *Korean Journal of Fisheries and Aquatic Sciences* 43.6 (2010): 642-647.
267. Sánchez-García, Fini, et al. "Effect of different cooking methods on sea lettuce." *Journal of the Science of Food and Agriculture* 101.3 (2021): 970-980.
268. Sánchez-García, Fini, et al. "Effect of different cooking methods on sea lettuce (*Ulva rigida*) volatile compounds and sensory properties." *Journal of the Science of Food and Agriculture* (2020). in press
269. Sánchez-García, Fini, et al. "Evolution of Volatile Compounds and Sensory Characteristics of Edible Green Seaweed (*Ulva rigida*) during Storage at Different Temperatures." *Journal of the Science of Food and Agriculture* 99.12 (2019) 5475-5482.
270. SAXENA, MANJULA K., SINGH NEERJA, and DOBHALL MP. "REVIEW POTENT PHARMACEUTICAL PRODUCTS FROM AQUATIC PLANTS-REVIEW." *Asian Journal of Pharmaceutical and Clinical Research* (2021): 48-63.
271. Sohrabipour, Jelveh. "Fatty Acids Composition of Marine Macroalgae." *Journal of Phycological Research* 3.2 (2019): 348-374.
272. Sukatar, A., Karabay-Yavaşoglu, N.U., Ozdemir, G., Horzum, Z. Antimicrobial activity of volatile component and various extracts of *Enteromorpha linza* (Linnaeus) J. Agardh from the coast of Izmir,

- Turkey (2006) *Annals of Microbiology*, 56 (3), pp. 275-279.
273. Thinakaram, T., and K. Sivakumar. Antifungal activity of certain seaweeds from Puthumadam coast. *Int. J. Res. Rev. Pharm. Appl. Sci.*, 2013, 3, 3, 341-350.
274. Xu, N.-J., Y.-I. He, J. Tang, X.-J. Yan. Volatile metabolites in *Gracilaria lemaneiformis* at high temperature. *Oceanologia and Limnologia Sinica*, 2009, 40, 2, 221-227.
275. Yılmaz, Fethiye Ferda, et al. "Antimicrobial and Antioxidant Activities of *Porphyridium cruentum*." *Hacettepe Üniversitesi Eczacılık Fakültesi Dergisi*, 1: (2017) 1-7.
276. Yu, K. X., Wong, C. L., Ahmad, R., & Jantan, I. (2015). Larvicidal activity, inhibition effect on development, histopathological alteration and morphological aberration induced by seaweed extracts in *Aedes aegypti* (Diptera: Culicidae). *Asian Pacific journal of tropical medicine*, 8(12), 1006-1012.
- 9). Kamenarska, Z., Stefanov, K., Dimitrova-Konaklieva, S., NAJDENSKI, H., Tsvetkova, I., Popov, S. Chemical composition and biological activity of the brackish-water green alga *Cladophora rivularis* (L.) Hoek (2004) *Botanica Marina*, 47 (3), pp. 215-221.**
277. Abdel-Aal, E. I., Haroon, A. M., & Mofeed, J. (2015). Successive solvent extraction and GC–MS analysis for the evaluation of the phytochemical constituents of the filamentous green alga *Spirogyra longata*. *The Egyptian Journal of Aquatic Research*, 41(3), 233-246.
278. Abdel-Hamid, Mohammad I., Eman I. Abdel-Aal, and Mamdouh Abdel-Mogib. "Isolation and characterization of new *Botryococcus braunii* (Trebouxiophyceae) isolates." *Renewable Energy* 141 (2019): 782-790.
279. Ahmed, H.H., M.M. Hegazi, H.I. Abd-Alla, E.F. Eskander and M.S. Ellithey. Antitumour and antioxidant activity of some red sea seaweeds in Ehrlich ascites carcinoma in vivo. *Zeitschr. Naturforsch.- Sect. C J. Biosci.*, 2011, 66 C(7-8), 367-376.
280. Aoun, Z.B., Said, R.B., Farhat, F. Anti-inflammatory, antioxidant and antimicrobial activities of aqueous and organic extracts from *Dictyopteris membranacea* (2010) *Botanica Marina*, 53 (3), pp. 259-264.
281. Boedeker, Christian, et al. "Molecular, biochemical and morphological data suggest an affiliation of *Spongiochrysis hawaiiensis* with the Trentepohliales (Ulvophyceae, Chlorophyta)." *Phycological research* 61.2 (2013): 133-144.
282. Cornish, M. L., & Garbary, D. J. Antioxidants from macroalgae: Potential applications in human health and nutrition. *Algae*, 2010, 25(4), 155-171.
283. Dang, V. T., Speck, P., Doroudi, M., et al. Variation in the antiviral and antibacterial activity of abalone *Haliotis laevigata*, *H. rubra* and their hybrid in South Australia. *Aquaculture*, 2011, 315(3), 242-249.
284. Dang, V.T., Y. Li, P. Speck and K. Benkendorff. Effects of micro and macroalgal diet supplementations on growth and immunity of greenlip abalone, *Haliotis laevigata*. *Aquaculture*. 2011, 320(1-2), 91-98.
285. De Felício, R., de Albuquerque, S., Young, M.C.M., Yokoya, N.S., Debonisi, H.M. Trypanocidal, leishmanicidal and antifungal potential from marine red alga *Bostrychia tenella* J. Agardh (Rhodomelaceae, Ceramiales) (2010) *Journal of Pharmaceutical and Biomedical Analysis*, 52 (5), pp. 763-769.
286. de Felício, Rafael, et al. "Trypanocidal, leishmanicidal and antifungal potential from marine red alga *Bostrychia tenella* J. Agardh (Rhodomelaceae, Ceramiales)." *Journal of pharmaceutical and biomedical analysis* 52.5 (2010): 763-769.
287. Devi, G. K., Manivannan, K., & Anantharaman, P. Evaluation of antibacterial potential of seaweeds occurring along the coast of Mandapam, India against human pathogenic bacteria. *Journal of Coastal Life Medicine*, 2014, 2(3), 196-202.

288. Erickson, Amy A., et al. "Palatability of macroalgae that use different types of chemical defenses." *Journal of chemical ecology* 32.9 (2006): 1883-1895.
289. Felício, Rafael de. *Produtos naturais marinhos: identificação de metabólitos fenólicos halogenados na macroalga Bostrychia tenella (Rhodomelaceae, Rhodophyta) e potencial biológico de micro-organismos endofíticos associados*. Diss. Universidade de São Paulo, 2010.
290. Gerasimenko, N. I., et al. "Antimicrobial and hemolytic activity of low-molecular metabolites of brown seaweed *Laminaria cichorioides* (Miyabe)." *Applied Biochemistry and Microbiology* 46.4 (2010): 426-430.
291. Gerasimenko, N. I., Martyyas, E. A., & Busarova, N. G. Composition of lipids and biological activity of lipids and photosynthetic pigments from algae of the families Laminariaceae and Alariaceae. *Chem. Nat. Comp.*, 2012, 48(5), 737-741.
292. Gerasimenko, N. I., Martyyas, E. A., Logvinov, S. V., & Busarova, N. G. Biological activity of lipids and photosynthetic pigments of *Sargassum pallidum* C. Agardh. *Applied Biochemistry and Microbiology*, 2014, 50(1), 73-81.
293. Ghazal, Fekry M., Mohamed A. Deyab, and Manal AH El-Gamal. "ALLELOPATHIC ACTIVITY OF ALGAL BLOOMS AGAINST SOME PLANT PATHOGENIC FUNGI IN EGYPT." *Egyptian Journal of Phycology* 7.1 (2006): 79-92.
294. Güven, Kasım Cemal, Burak Coban, and Osman Özdemir. "Pharmacology of Marine Macroalgae." *Encyclopedia of Marine Biotechnology* 1 (2020): 585-615.
295. Imbs, T. I., et al. "Comparative study of the chemical composition of ethanol extracts from brown algae and their effects on seedling growth and productivity of soya *Glycine max* (L.) MERR." *Russian Journal of Bioorganic Chemistry* 37.7 (2011): 871-876.
296. Imbs, T.I., E.L. Chajkina, L.A. Dega, A.P. Vashchenko, M.M. Anisimov. Comparative studying of a chemical compound of ethanol extracts of brown seaweed and their influence on growth of sprouts and productivity of *Glycine max* (l). *Merr. Chemistry of Plant Raw Material*, 2010, 1, 143-148.
297. Kumari, Puja, et al. "Algal lipids, fatty acids and sterols." *Functional ingredients from algae for foods and nutraceuticals*. Woodhead Publishing, 2013. 87-134.
298. Kumari, Puja. "Seaweed Lipidomics in the Era of 'Omics' Biology: A Contemporary Perspective." *Systems Biology of Marine Ecosystems*. Springer, Cham, 2017. 49-97.
299. Liu, Jun, Stefan Willför, and Albert Mühranyan. "On importance of impurities, potential leachables and extractables in algal nanocellulose for biomedical use." *Carbohydrate Polymers* 172 (2017): 11-19.
300. Mariya, V., & Ravindran, V. S. Biomedical and Pharmacological significance of marine macroalgae-review. *Indian J. Geo-Marine Sciences*, 2013, 42(5), 527-537.
301. Martyyas, E. A., Gerasimenko, N. I., Busarova, N. G., et al.. Seasonal changes in biological activity of lipids and photosynthetic pigments of *Saccharina cichorioides* (Miyabe) (Laminariaceae Family). *Russian J. Bioorg. Chem.*, 2013, 39(7), 720-727.
302. Michalak, Izabela, and Beata Messyas. "Concise review of *Cladophora* spp.: macroalgae of commercial interest." *Journal of Applied Phycology* 33.1 (2021): 133-166.
303. Milchakova, N. A. *Marine plants of the Black Sea. An illustrated field guide*. Digit Print, Sevastopol. 2011. 144.
304. Mohamed S, Hashim SN, Rahman HA. Seaweeds: a sustainable functional food for complementary and alternative therapy. *Trends Food Sci. Technol.*, 2012, 23(2), 83-96.
305. Munir, Mubashrah, et al. "Pharmaceutical aptitude of *Cladophora*: A comprehensive review." *Algal Research* 39 (2019): 101476.
306. Nasir, Masoumeh, et al. "Sterols from the red algae, *Gracilaria salicornia* and *Hypnea flagelliformis*, from Persian Gulf." *Pharmacognosy Magazine* 7.26 (2011): 97.

307. Orhan, I., et al. "Turkish freshwater and marine macrophyte extracts show in vitro antiprotozoal activity and inhibit FabI, a key enzyme of *Plasmodium falciparum* fatty acid biosynthesis." *Phytomedicine* 13.6 (2006): 388-393.
308. Paradas, W. C. Mecanismos de armazenamento, biossíntese e liberação de metabólitos secundários em macroalgas vermelhas (Rhodophyta), PhD Thesis, Universidade Federal Fluminense, 2013.
309. Prazukin, Alexander V., Elena V. Anufrieva, and Nickolai V. Shadrin. "Is biomass of filamentous green algae *Cladophora* spp.(Chlorophyta, Ulvophyceae) an unlimited cheap and valuable resource for medicine and pharmacology? A review." *Reviews in Aquaculture* 12.4 (2020): 2493-2510.
310. Rickert, Esther, et al. "Seasonal variations in surface metabolite composition of *Fucus vesiculosus* and *Fucus serratus* from the Baltic Sea." *PLoS One* 11.12 (2016): e0168196.
311. ROSALES, ALAN RODRIGO LÓPEZ, and MAESTRO EN CIENCIAS EN ENERGÍA RENOVABLE. "Potencial de cepas de microalgas aisladas de la costa de Yucatán para la producción de biodiesel." (2017).
312. Saranya, C., Parthiban, C., & Anantharaman, P. Evaluation of antibacterial and antioxidant activities of seaweeds from Pondicherry coast. *Adv. Appl. Sci. Res.*, 2014, 5, 4, 82-90.
313. Spavieri, Jasmine, et al. "Antiprotozoal, antimycobacterial and cytotoxic potential of some British green algae." *Phytotherapy Research* 24.7 (2010): 1095-1098.
314. Stabili, L., et al. "Biotechnological potential of the seaweed *Cladophora rupestris* (Chlorophyta, Cladophorales) lipidic extract." *New biotechnology* 31.5 (2014): 436-444.
315. Suchý, Václav, et al. "Relict Pleistocene calcareous tufa of the Chlupáčova sluj Cave, the Bohemian Karst, Czech Republic: A petrographic and geochemical record of hydrologically-driven cave evolution." *Sedimentary Geology* 385 (2019): 110-125.
316. Suryanarayanan, T.S. Fungal endosymbionts of seaweeds. *Biol. Mar. Fungi*, 2012, 53, 53-69.
317. Tabakaeva, O. V., and A. V. Tabakaev. "Amino acids from potentially commercial Far-East brown algae *Costaria costata* and *Undaria pinnatifida*." *Chemistry of Natural Compounds* 52.2 (2016): 376-378.
318. Tan, S. P., O'Sullivan, L., Prieto, M.L., et al. 13 Seaweed antimicrobials: isolation, characterization, and potential use in functional foods. *Bioactive Compounds from Marine Foods: Plant Anim. Sourc.*, 2013, 269.
319. Todorov, D., Hinkov, A., Shishkova, K., & Shishkov, S. Antiviral potential of Bulgarian medicinal plants. *Phytochemistry Reviews*, 2014, 13(2), 525-538.
320. Van Doan, H., Doolgindachbaporn, S., Suksri, A. Effects of low molecular weight agar and *Lactobacillus plantarum* on growth performance, immunity, and disease resistance of basa fish (*Pangasius bocourti*, Sauvage 1880). *Fish & Shellfish Immunology*, 2014, 41, 2, 340–34
321. Анисимов, М. М., et al. "Противомикробная активность экстрактов и компонентов морских водорослей." *Растительные ресурсы* 48.1 (2012): 139-154.
322. Анисимов, М. М., Мартыяс, Е. А., Чайкина, Е. Л., & Герасименко, Н. И. Противомикробная, гемолитическая и фиторегулирующая активность липидных экстрактов из морских водорослей. *Химия растительного сырья*, 2010, 4, 125-130.
323. Мартыяс, Е. А., Герасименко, Н. И., Бусарова, Н. Г., и сътр. Биологическая активность липидов и фотосинтетических пигментов *Saccharina cichorioides* (Miyabe)(сем. Laminariaceae). Сезонные изменения активности. *Химия растительного сырья*, 2012, 1, 123-131.
324. Солоненко, Анатолій Миколайович. Водорості гіпергалійних водойм північно-західного узбережжя Азовського моря та їх участь в утворенні мулових сульфідних пелоїдів: дис.... доктора біологічних наук: 03.00. 05. Diss. Міністерство освіти і науки України, 2015.
325. Федянина, Л. Н., В. А. Лях, and Е. С. Смертина. "Оценка эффективности профилактического действия хлеба с добавлением экстракта бурых водорослей." *Вестник Красноярского*

10). Orozova, P., Chikova, V., Najdenski, H. Antibiotic resistance of pathogenic for fish isolates of *Aeromonas* spp. 16, 3, Bulgarian Journal of Agricultural Science, 2010, 376-386. ISI IF:0.26

326. Ali, H., et al. "Putative virulence and antimicrobial susceptibility of *Aeromonas* spp. isolated from marketed fish intended for human consumption in Bangladesh." *Asian J. Microbiol. Biotech. Env* 16.485 (2014): e495.
327. Ali, Shahzad, et al. "Identification, characterization and antibiotic sensitivity of *aeromonas hydrophila*, a causative agent of epizootic ulcerative syndrome in wild and farmed fish from potohar, Pakistan." *Pakistan J. Zool* 48.3 (2016): 899-901.
328. Carvalho, Daiane, et al. "Isolation and antimicrobial susceptibility of bacteria from injuries caused by ictio in jundia (*Rhamdia quelen*)." *B. Inst. Pesca* (2016): 195-202.
329. El-Barbary, Manal Ibrahim. "Serum biochemical and histopathological changes associated with *Aeromonas hydrophila* isolated from *Oreochromis niloticus* and *Sparus aurata* with multiple antibiotic resistance index." *J. Biol. Sci* 17 (2017): 222-234.
330. Hamouda, A. H., E. M. Moustafa, and M. M. Zayed. "Overview on the most prevailing bacterial diseases infecting *oreochromis niloticus* at aswan fish hatchery, egypt." *Adv. Anim. Vet. Sci* 7.11 (2019): 950-961.
331. Igbinosa, Isoken H., Etinosa O. Igbinosa, and Anthony I. Okoh. "Antibiogram characterization and putative virulence genes in *Aeromonas* species isolated from pig fecal samples." *Environmental Science and Pollution Research* 23.12 (2016): 12199-12205.
332. Kanchan, Chutharat, et al. "Antibiotic resistance of *Aeromonas hydrophila* isolated from diseased catfish." *The 6th international conference on sciences and social sciences: mutual community engagement toward global understanding and sustainable well-being*. 2016.
333. Majolo, Cláudia, et al. "Antimicrobial activity of some essential oils against *Streptococcus agalactiae*, an important pathogen for fish farming in Brazil." *Journal of Essential Oil Research* 30.5 (2018): 388-397.
334. Majolo, Claudia, et al. "Chemical composition of *Lippia* spp. essential oil and antimicrobial activity against *Aeromonas hydrophila*." *Aquaculture Research* 48.5 (2017): 2380-2387.
335. Majolo, Cláudia, et al. "Essential Oils from Five Brazilian Piper Species as Antimicrobials Against Strains of *Aeromonas hydrophila*." *Journal of Essential Oil Bearing Plants* 22.3 (2019): 746-761.
336. Zdanowicz, Marta, Zbigniew Jan Mudryk, and Piotr Perliński. "Abundance and antibiotic resistance of *Aeromonas* isolated from the water of three carp ponds." *Veterinary Research Communications* 44.1 (2020): 9-18.
337. Шульгина, Лидия Васильевна, et al. "Антибиотики в объектах аквакультуры и их экологическая значимость. Обзор." *Известия ТИНРО (Тихоокеанского научно-исследовательского рыбохозяйственного центра)* 181 (2015).
338. Viswanathan, S., et al. "Effect of Probiotics, Antibiotics and Herbal Extracts on *Aeromonas* and *Vibrio* isolated from a Marketed Marine Fish." *International Clinical Pathology Journal* 1.5 (2015).
339. Korun, Jale. "Kültür Levrek (*Dicentrarchus labrax*, L.) Balıklarından İzole Edilen *Vibrio harveyi* Suşlarının Antimikrobiyal Duyarlılıkları Üzerine Bir Çalışma." *Nevşehir Bilim ve Teknoloji Dergisi* 5 (2016): 411-421.
340. Roy, Rudra Prasad. Investigation of pathogenic bacteria of a resident fish, *Lepidocephalichthys guntea* (Hamilton Buchanan), in relation to limnochemistry of a Terai river Lotchka in the Darjeeling foothills of West Bengal, India. Diss. University of North Bengal, 2014.
341. Adeyemi, Joseph A., Kehinde O. Ogunlowo, and Omotayo O. Oyedara. "Bacterial Microflora in the Gut, Gill and Skin of African Catfish, *Clarias gariepinus* (Burchell, 1822) collected from Earthen Ponds

- in Oke-Baale, Osogbo, Nigeria." NISEB Journal 13.3&4 (2019).
342. Sharma, Arun, et al. "Asparagus racemosus aqueous root extract induced effects on cellular immune reaction of *Labeo rohita* (Hamilton)." Indian Journal of Animal Sciences 88.2 (2018): 251-258.
 343. Nurrahmad, Nanda Rino. PENGARUH VAKSINASI OUTER MEMBRANE PROTEIN 52 kDa *Aeromonas hydrophila* TERHADAP PERUBAHAN INDEKS ERITROSIT IKAN NILA (*Oreochromis niloticus*) YANG DI TANTANG *Aeromonas hydrophila*. Diss. UNIVERSITAS AIRLANGGA, 2019.
 344. Улитко, В. Е. "ПРОДУКТИВНЫЕ И БИОЛОГИЧЕСКИЕ ПОКАЗАТЕЛИ КАРПА ПРИ ИСПОЛЬЗОВАНИИ В КОМБИКОРМЕ СОБЦИОННО-ПРОБИОТИЧЕСКОЙ ДОБАВКИ С ЭФИРНЫМИ МАСЛАМИ" БИОКОРЕТРОН."
 - 11). Kostadinova, E., K. Alipieva, M. Stefova, D. Antonova, L. Evstatieva, G. Stefkov, I. Tsvetkova, H. NAYDENSKI, V. Bankova. Influence of cultivation on the chemical composition and antimicrobial activity of *Sideritis* spp. Phcog Mag. 4(14), 102 – 106 (2008)
 345. Ahmed, K. M. New challenges in the new year for Phcog Mag.: 5 years of quality publication. Pharmacognosy Mag., 2011, 7(25), 1.
 346. Aneva, I., Zhelev, P., Kozuharova, E., Danova, K., Nabavi, S. F., & Behzad, S. (2019). Genus *Sideritis*, section *Empedoclia* in southeastern Europe and Turkey—studies in ethnopharmacology and recent progress of biological activities. DARU Journal of Pharmaceutical Sciences, 27(1), pp. 407-421.
 347. Axiotis, Evangelos, et al. "Phytochemical Profile and Biological Activity of Endemic *Sideritis sipylea* Boiss. in North Aegean Greek Islands." Molecules 25.9 (2020): 2022.
 348. Azizullah, Hasina. Isolering og karakterisering av polyfenoler fra gresk fjellte, *Sideritis scardica*. MS thesis. 2017.
 349. González-Burgos, E., Carretero, M. E., & Gómez-Serranillos, M. P. *Sideritis* spp.: uses, chemical composition and pharmacological activities—a review. J. Ethnopharmacol., 2011, 135(2), 209-225.
 350. IGNATOV, IGNAT. "Sideritis scardica Griseb.(MURSALSKI TEA; PIRINSKI TEA) FROM BULGARIA, WHICH IS GROWING IN ZONES WITH HIGH PERCENT OF LONG LIVING PEOPLE." PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY (2021): 141-153.
2021 Изтриване
 351. Iordache, A.M., M. Culea, O. Cozar. Characterization of some extracts for therapeutic use by GC/MS. Processes in Isotopes and Molecules, Journal of Physics: Conference Series 182 (2009) 012027 doi:10.1088/1742-6596/182/1/012027
 352. Karapandzova, M., Qazimi, B., Stefkov, G., et al. Chemical characterization, mineral content and radical scavenging activity of *Sideritis scardica* and *S. raeseri* from R. Macedonia and R. Albania. Nat. Prod. Communicat., 5, 8, 2013, 639-644.
 353. Menković N., Godevac D., Šavikin K., Zdunić G., Milosavljević S., Bojadži A., Avramoski O. Bioactive compounds of endemic species *Sideritis raeseri* subsp. *raeseri* grown in National Park Gal. Rec. Nat. Prod., 3, 7, 2013, 161-168.
 354. Pljevljakusic, D., K. Savikin, T. Jankovic et al. Chemical properties of the cultivated *Sideritis raeseri* Boiss. & Heldr. subsp. *raeseri*. Food Chem., 2011, 124, 1, 226-233.
 355. Shtereva, Lydia A., Roumiana D. Vassilevska-Ivanova, and Boris V. Kraptchev. "In vitro cultures for micropropagation, mass multiplication and preservation of an endangered medicinal plant *Sideritis scardica* Griseb." Botanica Serbica 39.2 (2015).
 356. Solomou, A. D., Skoufogianni, E., Mylonas, C., Germani, R., & Danalatos, N. G. (2019) Cultivation and utilization of "Greek mountain tea" (*Sideritis* spp.): Current knowledge and future challenges. AJAB. Asian J Agric & Biol, 7(2), 289-299.
 357. Tadić, Vanja, et al. "Chemical and antimicrobial analyses of *Sideritis romana* L. subsp. *purpurea* (Tal. ex Benth.) Heywood, an endemic of the Western Balkan." Molecules 22.9 (2017): 1395.

358. Todorova, M., & Trendafilova, A. *Sideritis scardica* Griseb., an endemic species of Balkan peninsula: Traditional uses, cultivation, chemical composition, biological activity. *J. Ethnopharmacol.*, 2014, 152(2), 256-265.
359. Tsibranska, I., B. Tylkowski, R. Kochanov, et al. Extraction of biologically active compounds from *Sideritis* ssp. L. *Food Bioprod. Proces.*, 2011, 89(4), 273-280
- 12). Georgiev, L., Chochkova, M., Ivanova, G., NAJDENSKI, H., Ninova, M., Milkova, T. Radical scavenging and antimicrobial activities of cinnamoyl amides of biogenic monoamines (2012) Rivista Italiana delle Sostanze Grasse, 89 (2), pp. 91-102.**
360. Ahlawat, Shruti, et al. "Bioevaluation and molecular docking analysis of novel phenylpropanoid derivatives as potent food preservative and anti-microbials." *3 Biotech* 11.2 (2021): 1-10.
361. Almoulah, N. Fadl, et al. "Antibacterial, antiproliferative and antioxidant activity of leaf extracts of selected Solanaceae species." *South African Journal of Botany* 112 (2017): 368-374.
362. Andrade, M., Benfeito, S., Soares, P., Magalhães e Silva, D., Loureiro, J., Borges, A., Borges, F., Simões, M. Fine-tuning of the hydrophobicity of caffeic acid: studies on the antimicrobial activity against *Staphylococcus aureus* and *Escherichia coli*. *RSC Advances* 2015, 5, 53915-53925.
363. Cho, J.-G., Huh, J., Jeong, R.-H., Cha, B.-J., Shrestha, S., Lee, D.-G., Kang, H.-C., Kim, J.-Y., Baek, N.-I Inhibition effect of phenyl compounds from the *Oryza sativa* roots on melanin production in murine B16-F10 melanoma cells. *Natural Product Research* 2015, 29, 1052-1054.
364. Cho, M. H., & Lee, S. W. (2015). Phenolic Phytoalexins in Rice: Biological Functions and Biosynthesis. *International journal of molecular sciences*, 16(12), 29120-29133.
365. Dastmalchi, Keyvan, et al. "Temporal resistance of potato tubers: Antibacterial assays and metabolite profiling of wound-healing tissue extracts from contrasting cultivars." *Phytochemistry* 159 (2019): 75-89.
366. Firdaus, Soekanto NH, et al. "Novel hydroxycinnamamide from morpholine and pyrrolidine: Synthesis, characterization, docking study, and anticancer activity against P388 leukemia murine cells." *J Appl Pharm Sci* 11.01 (2021): 040-048.
367. França, Saraliny Bezerra, et al. "Synthesis, applications and Structure-Activity Relationship (SAR) of cinnamic acid derivatives: a review." *Research, Society and Development* 10.1: e28010111691-e28010111691.
368. Guzman, J.D. Natural cinnamic acids, synthetic derivatives and hybrids with antimicrobial activity *Molecules* 2014, 19, 12, 19292-19349
369. Monteiro, Luís S., et al. "Synthesis and preliminary biological evaluation of new phenolic and catecholic dehydroamino acid derivatives." *Tetrahedron* 73.43 (2017): 6199-6209.
370. Montes, Ricardo Carneiro. "Amidas halogenadas: reações de acoplamento e investigação in silico da atividade antimicrobiana." (2016).
371. Roumani, Marwa, et al. "Phenolamides in plants: An update on their function, regulation, and origin of their biosynthetic enzymes." *Journal of Experimental Botany* 72.7 (2021): 2334-2355.
372. Roumani, Marwa, et al. "Phenolamides: Plant specialized metabolites with a wide range of promising pharmacological and health-promoting interests." *Biomedicine & Pharmacotherapy* 131 (2020): 110762.
373. Silveira, Graziela Rangel, et al. "In vitro anti-Toxoplasma gondii and antimicrobial activity of amides derived from cinnamic acid." *Molecules* 23.4 (2018): 774.
374. Sun, J., Song, Y.-L. Zhang, J., Huang, Z., Huo, H.-X., Zheng, J., Zhang, Q., Zhao, Y.-F., Li, J., Tu, P.-F. Characterization and Quantitative Analysis of Phenylpropanoid Amides in Eggplant (*Solanum melongena* L.) by High Performance Liquid Chromatography Coupled with Diode Array Detection and Hybrid Ion Trap Time-of-Flight Mass Spectrometry *Journal of Agricultural and Food Chemistry* 2015, 63, 3426-3436.

- 13). Bonovska, M., Tzvetkov, Y., NAJDENSKI, H., Bachvarova, Y. PCR for detection of *Mycobacterium tuberculosis* in experimentally infected dogs (2005) *Journal of Veterinary Medicine Series B: Infectious Diseases and Veterinary Public Health*, 52 (4), pp. 165-170.
375. Al-Galebi, Ahlam Ali Soghi, Mithal Kareem Abass Al-Hassani, and Ebtesam Thamer Jeaz. "Serodetection and Molecular Confirmation of *Mycobacterium tuberculosis* Infections in Dogs." *Journal of Education for Pure Science-University of Thi-Qar* 7.3 (2017): 109-119.
376. Bagińska, M., & Rzewuska, M. (2010). Występowanie prątków z kompleksu *Mycobacterium tuberculosis* u zwierząt-transmisja wybranych gatunków między ludźmi a zwierzętami. *Życie Weterynaryjne*, 85(09).
377. Barta, J. L. (2008). Man's Best Friend: Implications of Tuberculosis in a 16th Century Neutral Iroquois Dog from Canada. *Multiplying and Dividing*, 22.
378. Barua, Acheenta G., et al. "Detection of *Mycobacterium tuberculosis* in Dog of Assam." *Int. J. Curr. Microbiol. App. Sci* 8.5 (2019): 1283-1288.
379. Deppenmeier, S., et al. "Pulmonary tuberculosis with evidence of *Mycobacterium tuberculosis* in a Golden Retriever." *Tierärztliche Praxis Ausgabe K: Kleintiere/Heimtiere* 35.02 (2007): 111-115.
2007 Изтвиване
380. Deppenmeier, S., Schieszler, A., Nolte, I., Moser, I., Hewicker-Trautwein, M. Pulmonary tuberculosis with evidence of *Mycobacterium tuberculosis* in a Golden Retriever [Lungentuberkulose mit Nachweis von *Mycobacterium tuberculosis* bei einem Golden Retriever] (2007) *Tierärztliche Praxis Ausgabe K: Kleintiere - Heimtiere*, 35 (2), pp. 111-115.
381. Ghielmetti, Giovanni, and Urs Giger. "*Mycobacterium avium*: an Emerging Pathogen for Dog Breeds with Hereditary Immunodeficiencies." *Current Clinical Microbiology Reports* (2020): 1-14.
382. Gong, Wenping, et al. "An alert of *Mycobacterium tuberculosis* infection of rhesus macaques in a wild zoo in China." *Experimental animals* 66.4 (2017): 357-365.
383. Greene, Craig E. *Infectious diseases of the dog and cat*. Vol. 310. Philadelphia: WB Saunders, 1998.
384. Hassan, N., Randhawa, C. S., & Zadon, S. (2005). *Mycobacterium bovis* Infection in an adult dog. *Veterinarni Medicina*, 50, 291-299. 2005 Изтвиване
385. Krajewska-Wedzina, M., et al. "Dodatni wynik testu tuberkulinowego u psa-opis przypadku." *Życie Weterynaryjne* 92.09 (2017).
386. Littleton, J., J. Park, A. Herring, T. Farmer. *Multiplying and dividing: tuberculosis in Canada and Aotearoa New Zealand*, 2008, <http://hdl.handle.net/2292/2558>
387. Martinho, A.P.V., Franco, M.M.J., Ribeiro, M.G., et al. Case report: disseminated *Mycobacterium tuberculosis* infection in a dog. *Am. J. Trop. Med. Hyg.*, 3, 88, 2013, 596-600.
388. Moravkova, M., M. Slany, I. Trcka, M. Et al. Human-to-human and human-to-dog *Mycobacterium tuberculosis* transmission studied by IS6110 RFLP analysis: a case report. *Veterinarni Medicina*, 2011, 56, 6, 314-317.
389. Parsons, S.D.C. *Natural animal model systems to study tuberculosis*. PhD Thesis, Stellenbosch University, 2010.
390. Parsons, S.D.C., Gous, T.A., Warren, R.M., van Helden, P.D. Pulmonary *Mycobacterium tuberculosis* (Beijing strain) infection in a stray dog (2008) *Journal of the South African Veterinary Association*, 79 (2), pp. 95-98.
391. Parsons, S.D.C., Warren, R.M., Ottenhoff, T.H.M., et al. Detection of *Mycobacterium tuberculosis* infection in dogs in a high-risk setting. *Res. Vet. Sci.*, 92 (3), 2012, 414-419.
392. Pesciaroli, M., Alvarez, J., Boniotti, M. B., Cagiola, M., Di Marco, V., Marianelli, C., ... & Pasquali, P. (2014). Tuberculosis in domestic animal species. *Research in veterinary science*, 97, S78-S85.
393. POLYMA, A., & ANTHROPOLOGIST, T. (2008). *Multiplying and Dividing*.

394. Ribeiro, M. G., et al. "Pre-Multidrug-Resistant Mycobacterium tuberculosis Infection Causing Fatal Enteric Disease in a Dog from a Family with History of Human Tuberculosis." *Transboundary and emerging diseases* 64.5 (2017): e4-e7.
 395. Szaluś-Jordanow, O., Augustynowicz-Kopeć, E., Czapowicz, M., Olkowski, A., Łobaczewski, A., Rzewuska, M., ... & Frymus, T. (2016). Intracardiac tuberculomas caused by Mycobacterium tuberculosis in a dog. *BMC veterinary research*, 12(1), 109.
 396. Verma, Rishendra, Ramane Sangram, and Sandeep Kumar Singh. "Canine tuberculosis: Mini Review." *Indian Journal of Veterinary Research (The)* 22.2 (2013): 1-9.
 397. Warren, R. M., Gous, T. A., Van Helden, P. D., & Parsons, S. D. C. (2008). Pulmonary Mycobacterium tuberculosis (Beijing strain) infection in a stray dog: clinical communication. *Journal of the South African Veterinary Association*, 79(2), 95-98. 2008 Изтрито
 398. Калмыков, В. М., А. Х. Найманов, and М. С. Калмыкова. "ДИАГНОСТИКА ТУБЕРКУЛЁЗА СОБАК И КОШЕК С ИСПОЛЬЗОВАНИЕМ ПОЛИМЕРАЗНОЙ ЦЕПНОЙ РЕАКЦИИ." *МОЛЕКУЛЯРНАЯ ДИАГНОСТИКА* 2017. 2017.
 399. Утанова, Г. Х., and А. П. Силаев. "МОЛЕКУЛЯРНО-ГЕНЕТИЧЕСКАЯ ДИАГНОСТИКА ВИРУСА БЫЧЬЕГО ИММУНОДЕФИЦИТА." *МОЛЕКУЛЯРНАЯ ДИАГНОСТИКА* 2017.
- 14). Zheleva-Dimitrova D, Gevrenova R, Zaharieva MM, Najdenski H. et al. HPLC-UV and LC–MS Analyses of Acylquinic Acids in Geigeria alata (DC) Oliv. & Hiern. and their Contribution to Antioxidant and Antimicrobial Capacity Phytochemical Analysis 28 (3), 176-184**
400. Bernard, Guillaume, et al. "MeJA Elicitation of Chicory Hairy Roots Promotes Efficient Increase of 3, 5-diCQA Accumulation, a Potent Antioxidant and Antibacterial Molecule." *Antibiotics* 9.10 (2020): 659.
 401. Chew, Jactty, Suat-Cheng Peh, and Teow Sin Yeang. "Non-microbial natural products that inhibit drug-resistant Staphylococcus aureus." *Staphylococcus Aureus*. IntechOpen, 2018.
 402. Clifford, M. N. "Some notes on the chlorogenic acids. Part 4. Botanical distribution of the chlorogenic acids." (2017).
 403. Elbashir, Sara Mustafa Idris, et al. "Free radical scavenging, α -glucosidase inhibitory and lipase inhibitory activities of eighteen Sudanese medicinal plants." *BMC complementary and alternative medicine* 18.1 (2018): 1-12.
 404. Fadul, Eltayeb, et al. "Anti-glycating and anti-oxidant compounds from traditionally used anti-diabetic plant Geigeria alata (DC) Oliv. & Hiern." *Natural product research* 34.17 (2020): 2456-2464.
 405. Ganzera, Markus, and Sonja Sturm. "Recent advances on HPLC/MS in medicinal plant analysis—An update covering 2011–2016." *Journal of pharmaceutical and biomedical analysis* 147 (2018): 211-233.
 406. Kłeczek, Natalia, et al. "Carpesium divaricatum Sieb. & Zucc. Revisited: newly identified constituents from aerial parts of the plant and their possible contribution to the biological activity of the plant." *Molecules* 24.8 (2019): 1614.
 407. Milutinović, Violeta, et al. "Methanol extracts of 28 Hieracium species from the Balkan Peninsula—Comparative LC–MS analysis, chemosystematic evaluation of their flavonoid and phenolic acid profiles and antioxidant potentials." *Phytochemical Analysis* 29.1 (2018): 30-47.
 408. Pereira, Isabela de Souza Pinto, et al. "Phytochemical and biological studies on Piptocarpha axillaris (Less.) Baker (Asteraceae)." *Biochemical Systematics and Ecology* 85 (2019): 24-30.
 409. Singla, Ramit, and Vikas Jaitak. "Recent Advances in Plant Metabolites Analysis, Isolation, and Characterization." *Recent Trends and Techniques in Plant Metabolic Engineering* (2018): 75-115.
 410. Xu, Zhongren, et al. "Lonicerin, an anti-*algE* flavonoid against Pseudomonas aeruginosa virulence screened from Shuanghuanglian formula by molecule docking based strategy." *Journal of ethnopharmacology* 239 (2019): 111909.

411. Zengin, Gokhan, et al. "Chemical profiling and pharmaco-toxicological activity of *Origanum sipyleum* extracts: Exploring for novel sources for potential therapeutic agents." *Journal of food biochemistry* 43.11 (2019): e13003.
412. Zengin, Gokhan, et al. "Multidirectional biological investigation and phytochemical profile of *Rubus sanctus* and *Rubus ibericus*." *Food and Chemical Toxicology* 127 (2019): 237-250.
413. Zengin, Gokhan, et al. "Shedding light on the biological and chemical fingerprints of three *Achillea* species (*A. biebersteinii*, *A. millefolium* and *A. teretifolia*)." *Food & function* 8.3 (2017): 1152-1165.
414. Ganzera, Markus, and Sonja Sturm. "Recent advances on HPLC/MS in medicinal plant analysis—An update covering 2011–2016." *Journal of pharmaceutical and biomedical analysis* (2017).
- 15). NAJDENSKI, H., M. Heyndrickx, L. Herman, H. Werbrouck, E. Van Coillie. Quantification of *Yersinia enterocolitica* in raw milk using qPCR. *J. Vet. Med.*, 2012, 160, 428-434 (IF-3.327)**
415. Bancierz-Kisiel, A. , Szweda, W. Yersiniosis – a zoonotic foodborne disease of relevance to public health. *Annals of Agricultural and Environmental Medicine* 2015, 22, 397-402
416. Grigorenko, E., Fisher, C., Patel, S., Chancey, C., Rios, M., Nakhasi, H. L., & Duncan, R. C. Multiplex screening for blood-borne viral, bacterial, and protozoan parasites using an OpenArray platform. *J. Mol. Diagnostics*, 2014, 16(1), 136-144.
417. Zhou, C., Sun, C., Ruan, J., Zou, H., Li, Y Determination of *Yersinia enterocolitica* in Food by Capillary Electrophoresis with Laser Induced Fluorescence Detection. *Analytical Letters* 48, 2015, 1988-2001
418. Wei, Jingxuan. "Approaches to Detect Foodborne Pathogenic Microorganisms." *Proceedings of the Fourth International Conference on Biological Information and Biomedical Engineering*. 2020.
419. Shoaib, Muhammad, et al. "A comprehensive review on the prevalence, pathogenesis and detection of *Yersinia enterocolitica*." *RSC Advances* 9.70 (2019): 41010-41021.
420. Raghianti, Fernanda, Elaine Alves dos Santos, and Otávio Augusto Martins. "Yersinia enterocolitica in milk and dairy products: a review." *Revista Brasileira de Higiene e Sanidade Animal* 12.4 (2018): 420-427.
421. Ajauskaitė, Aurelija. "Yersinia spp. bakterijų paplitimas kiaulienos produktuose." (2017).
422. Godic Torkar, Karmen, et al. "The microbiological quality of Slovenian raw milk from vending machines and their hygienic-technical conditions." *British Food Journal* 119.2 (2017): 377-389.
423. Rusak, Leonardo Alves. Estudo molecular dos genótipos de *Yersinia enterocolitica* circulantes no Brasil. Diss. 2017.
424. Stachelska, M. A. "Quantitative assessment of *Yersinia enterocolitica* in raw pork meat using real time PCR (qPCR) technique." *Journal of Animal and Feed Sciences* 26.2 (2017): 141-147.
425. Tavares, A. B., et al. "Contamination sources of *Yersinia enterocolitica* during milk production." *Arquivo Brasileiro de Medicina Veterinária e Zootecnia* 69.2 (2017): 483-490.
426. Torkar, Karmen Godic, et al. "The microbiological quality of Slovenian raw milk from vending machines and their hygienic-technical conditions." *British Food Journal* (2017).
427. Petsios, Stefanos, et al. "Conventional and molecular methods used in the detection and subtyping of *Yersinia enterocolitica* in food." *International journal of food microbiology* 237 (2016): 55-72.
428. Chapela, María-José, Alejandro Garrido-Maestu, and Ana G. Cabado. "Detection of foodborne pathogens by qPCR: a practical approach for food industry applications." *Cogent Food & Agriculture* 1.1 (2015): 1013771.
429. Vanantwerpen, Gerty. Prevalence and risk factors of enteropathogenic *Yersinia* spp. in pigs at slaughter age. Diss. Ghent University, 2014.
430. Киров, Борис, Васил Гълъбов, and Весела Карлова-Сергиева. "ИНТЕГРИРАНА АВТОМАТИЗИРАНА СИСТЕМА ЗА ДЕТЕКЦИЯ НА ПАТОГЕНИ В ТЕЧНИ ПРОБИ ОТ

- ХРАНИТЕЛНИ ПРОДУКТИ–ЕТАПИ НА РАЗВИТИЕ И ОБЛАСТИ НА ПРИЛОЖЕНИЕ." (2014).
431. Van Damme, Inge. Isolation and spread of enteropathogenic *Yersinia* spp. throughout the pork production chain. Diss. Ghent University, 2013.
 - 16). De Rosa, S., Kamenarska, Z., Bankova, V., Stefanov, K., Dimitrova-Konaklieva, S., NAJDENSKI, H., Tzevtkova, I., Popov, S. **Chemical composition and biological activities of the Black Sea algae *Polysiphonia denudata* (Dillw.) Kutz. and *Polysiphonia denudata* f. *fragilis* (Sperk) woronich (2001). *Zeitschrift fur Naturforschung - Section C Journal of Biosciences*, 56 (11-12), pp. 1008-1014.**
 432. Chen, S. & Y. Haibin. Screening of 4 kinds of active ingredients of marine algae to inhibit pathogens. Wenzhou Medical College, 2012, 41 6, 583-585.
 433. Cruz-Rivera, E., Villareal, T.A. Macroalgal palatability and the flux of ciguatera toxins through marine food webs (2006) *Harmful Algae*, 5 (5), pp. 497-525.
 434. De Oliveira, A.L., Avaliação química e biológica de espécimens de *Bostrychia radicans* (Rhodomelaceae), Dissertação, Universidade de São Paulo, Faculdade de Ciências Farmacêuticas de Ribeirão Preto, 2009.
 435. Gołębowski, M., Cerkowniak, M., Urbanek, A., et al. Identification and antifungal activity of novel organic compounds found in cuticular and internal lipids of medically important flies. *Microbiol. Res.*, 2014, 170, 213-222.
 436. Saeidnia S, Gohari AR, Shahverdi AR, Permeh P, Nasiri M, Mollazadeh K, Farahani F. *Phcog Res*;1:428-30 (2009)
 437. Takeara, R., Jimenez, P.C., Wilke, D.V., Odorico de Moraes, M., Pessoa, C., Peoporine Lopes, N., Lopes, J.L.C., Monteiro da Cruz Lotufo, T., Costa-Lotufo, L.V. Antileukemic effects of *Didemnum psammatus* (Tunicata: Ascidiacea) constituents (2008) *Comparative Biochemistry and Physiology - A Molecular and Integrative Physiology*, 151 (3), pp. 363-369.
 438. Celenk, Fatma, and Atakan Sukatar. "Macroalgae of Izmir Gulf: *Cystoseira barbata*, *Cystoseira compressa* and *Cystoseira crinita* species have high α -glucosidase and moderate pancreatic lipase inhibition activities." *Iranian Journal of Pharmaceutical Research* 19.2(2020):391-402.
 439. Gaubert, Julie, et al. "Metabolomic variability of four macroalgal species of the genus *Lobophora* using diverse approaches." *Phytochemistry* 162 (2019): 165-172.
 440. Yakimchyk, Viktoryia S., et al. "Enantioselective catalytic approach to the C23–C28 subunit of 24 α -methyl steroids." *Steroids* 148 (2019): 82-90.
 441. Antypenko, Lyudmyla, et al. "Monomethyl Suberate Screening for Antifungal Activity, Molecular Docking and Drug-Like Properties." *Acta Chimica Slovenica* 65.4 (2018): 836-841.
 442. Rickert, Esther, et al. "Seasonal variations in surface metabolite composition of *Fucus vesiculosus* and *Fucus serratus* from the Baltic Sea." *PLoS One* 11.12 (2016): e0168196.
 443. Rontani, Jean-François, and Marie-Aimée Galeron. "Autoxidation of chlorophyll phytyl side chain in senescent phototrophic organisms: A potential source of isophytol in the environment." *Organic Geochemistry* 97 (2016): 35-40.
 444. Güven, KASIM C., Burak Coban, and H. U. S. E. Y. I. N. Erdugan. "A chemical research on three red algae *Gracilaria bursa-pastoris*, *Phyllophora crispa* and *Laurencia obtusa* var. *pyramidata*." *Asian Journal of Chemistry* 26.18 (2014): 6118-6120.
 445. Oliveira, Ana Ligia Leandrini de. Algas e micro-organismos marinhos como fonte de substâncias bioativas: química e biologia de *Bostrychia radicans* e fungos endofíticos associados. Diss. Universidade de São Paulo, 2013.
 446. Kawaroe, Mujizat, et al. Mikroalga potensi dan pemanfaatannya untuk produksi bio bahan bakar. PT Penerbit IPB Press, 2019.

17). Konakchiev A, Todorova M, Mikhova B, Vitkova A, NAJDENSKI H. Composition and antimicrobial activity of *Achillea distans* essential oil. Natural Product Communications, 6(6), 2011, 905-906, ISSN 1934-578X IF 1.242

447. Gavanji, S., Mohammadi, E., Larki, B., & Bakhtari, A. Antimicrobial and Cytotoxic evaluation of some herbal Essential oils in comparison with common Antibiotics in Bioassay condition. Integrative Medicine Research. 2014, 3, 3, 142–152.
448. Jeremić, Jovana Stanković, et al. "Antifungal activity of the essential oil from *Artemisia santonicum* and its constituent isogeranic acid." *Lekovite sirovine* 40 (2020): 62-65.
449. Zhou, Fei, et al. "In-vitro cardiovascular protective activity of a new achillinoside from *Achillea alpina*." *Revista Brasileira de Farmacognosia* 29.4 (2019): 445-448.
450. Mohammadhosseini, Majid, Satyajit D. Sarker, and Abolfazl Akbarzadeh. "Chemical composition of the essential oils and extracts of *Achillea* species and their biological activities: A review." *Journal of Ethnopharmacology* (2017).
451. Özek, Gülmira, et al. "Chemical Compositions of *Achillea sivasica*: Different Plant Part Volatiles, Enantiomers and Fatty Acids." *Records of Natural Products* 120.2 (2018): 1.
452. Романова, Ирина Борисовна. Клинико-лабораторное обоснование применения противовоспалительных препаратов на растительной основе в комплексном лечении воспалительных заболеваний пародонта у пациентов со скученным положением зубов. Diss. Первый Московский государственный медицинский университет им. ИМ Сеченова, 2017.
453. Nekoei, Mehdi, and Majid Mohammadhosseini. "Chemical compositions of the essential oils from the aerial parts of *Achillea wilhelmsii* using traditional Hydrodistillation, microwave assisted hydro-distillation and solvent-free microwave extraction methods: comparison with the volatile compounds obtained by headspace solid-phase microextraction." *Journal of Essential Oil Bearing Plants* 19.1 (2016): 59-75.
454. Tatar, Özgür, et al. "Plant-soil water status-induced changes in physiological and biochemical properties of yarrow." *Journal of Essential Oil Bearing Plants* 19.7 (2016): 1776-1787.
455. Abad, María José, Luis Miguel Bedoya, and Paulina Bermejo. "Essential oils from the Asteraceae family active against multidrug-resistant bacteria." *Fighting multidrug resistance with herbal extracts, essential oils and their components*. Academic Press, 2013. 205-221.
456. Andrushko, Vasyl, and Natalia Andrushko. "Principles, concepts, and strategies of stereoselective synthesis." *Stereoselective Synthesis of Drugs and Natural Products* (2013): 3-44.
457. Benedec, Daniela, et al. "Polyphenolic composition, antioxidant and antibacterial activities for two Romanian subspecies of *Achillea distans* Waldst. et Kit. ex Willd." *Molecules* 18.8 (2013): 8725-8739.
458. Abad, María José, et al. "The *Artemisia* L. genus: a review of bioactive essential oils." *Molecules* 17.3 (2012): 2542-2566.
459. Enna, Salvatore Joseph, and Stata Norton. *Herbal supplements and the brain: understanding their health benefits and hazards*. FT Press, 2012.
460. Issabeagloo, Eilyad, and Babak Abri. "Antimicrobial effects of yarrow (*Achillea millefolium*) essential oils against *Staphylococcus* species." *African journal of pharmacy and pharmacology* 6.41 (2012): 2895-2899.
461. Issabeagloo, Eilyad, and Mohammad Taghizadieh. "Inhibitory Effect of *Ziziphus zizyphus* L. Extract on *Staphylococcus* Genera." *Advances in Bioresearch* 3.3 (2012).

18). Veljanov, D., Vesselinova, A., Nikolova, S., NAJDENSKI, H., Kussovski, V., Markova, N. Experimental melioidosis in inbred mouse strains (1996) Zentralblatt fur Bakteriologie, 283 (3), pp. 351-359.

462. Amemiya, Kei, et al. "Animal Models for Melioidosis." *Current Tropical Medicine Reports* (2017):

463. Bottex, C., Gauthier, Y.P., Hagen, R.M., Finke, E.J., Splettstößer, W.D., Thibault, F.M., Neubauer, H., Vidal, D.R. Attempted passive prophylaxis with a monoclonal anti-Burkholderia pseudomallei exopolysaccharide antibody in a murine model of melioidosis (2005) Immunopharmacology and Immunotoxicology, 27 (4), pp. 565-583.
 464. Cheng, A.C., Currie, B.J. Melioidosis: Epidemiology, pathophysiology, and management (2005) Clinical Microbiology Reviews, 18 (2), pp. 383-416.
 465. Gauthier, Y. P., et al. "Protease production by Burkholderia pseudomallei and virulence in mice." Acta tropica 74.2-3 (2000): 215-220.
 466. Gauthier, Yves P., et al. "Study on the pathophysiology of experimental Burkholderia pseudomallei infection in mice." FEMS Immunology & Medical Microbiology 30.1 (2001): 53-63.
 467. Gelhaus, H. Carl, et al. "Efficacy of post exposure administration of doxycycline in a murine model of inhalational melioidosis." Scientific reports 3.1 (2013): 1-5.
 468. Jimma, T.K Vaccine development against plague, glanders and melioidosis in the former Soviet Union in comparison to the current state of global knowledge. Institute of Animal Hygiene and Veterinary Public Health Faculty of Veterinary Medicine, University of Leipzig, Dissertation, 2010.
 469. Laws, T.R., Clark, G.C., D'Elia, R.V. Immune profiling of the progression of a BALB/c mouse aerosol infection by Burkholderia pseudomallei and the therapeutic implications of targeting HMGB1. Int. J. Infect. Dis., 2015, 40, 1-8
 470. Lever, M.S., Nelson, M., Stagg, A.J., Beedham, R.J., Simpson, A.J.H. Experimental acute respiratory Burkholderia pseudomallei infection in BALB/c mice (2009) International Journal of Experimental Pathology, 90 (1), pp. 16-25.
 471. Santanirand, P., et al. "Obligatory role of gamma interferon for host survival in a murine model of infection with Burkholderia pseudomallei." Infection and immunity 67.7 (1999): 3593-3600.
 472. Soffler, Carl. Development and characterization of caprine infection models of melioidosis, The. Diss. Colorado State University, 2007.
 473. West, T.E., Myers, N.D., Liggitt, H.D., et al. Murine pulmonary infection and inflammation induced by inhalation of Burkholderia pseudomallei. Int. J. Exp.Pathol., 2012, 93(6), 421-428.
- 19). L Dimitrova, MM Zaharieva, M Popova, N Kostadinova, I Tsvetkova, et al. Antimicrobial and antioxidant potential of different solvent extracts of the medicinal plant Geum urbanum L.,Chemistry Central Journal 11 (1), 1-11**
474. Adams, Sarah J., et al. "Foliar Endophytic Fungi from the Endangered Eastern Mountain Avens (Geum peckii, Rosaceae) in Canada." Plants 10.5 (2021): 1026.
 475. Telagathoti, Anusha et al. "High-Throughput Volatilome Fingerprint Using PTR–ToF–MS Shows Species-Specific Patterns in Mortierella and Closely Related Genera." Journal of Fungi 7.1 (2021):66.
 476. Garcia-Oliveira, P., et al. "Scientific Basis for the Industrialization of Traditionally Used Plants of the Rosaceae Family." Food Chemistry (2020): 127197.
 477. Schmitt, Marie, et al. "Investigation of Antioxidant and Elastase Inhibitory Activities of Geum urbanum Aerial Parts, Chemical Characterization of Extracts Guided by Chemical and Biological Assays." Natural Product Communications 15.3 (2020): 1934578X20915307.
 478. Zhao, Ruru, et al. "Protective effects of aqueous extract from Gei Herba on blood-deficiency mice: insights gained by a metabolomic approach." RSC Advances 10.17 (2020): 10167-10177.
 479. Madić, Višnja, et al. "Genotoxic and antigenotoxic potential of herbal mixture and five medicinal plants used in ethnopharmacology." South African Journal of Botany 125 (2019): 290-297.
 480. Palanisamy, C. P., et al. "Antioxidant and antimicrobial activities of (6E, 10E)-2, 6, 24-trimethyl pentacos-2, 6, 10-triene from Euclea crispa leaves." South African Journal of Botany 124 (2019): 311-

481. Salih, Enass Yousif Abdelkarim. "Ethnobotany, phytochemistry and antimicrobial activity of Combretum, Terminalia and Anogeissus species (Combretaceae) growing naturally in Sudan." (2019).
482. Schmitt, Marie. CHAVIC-Valorisation de la flore Champardennaise dans le domaine du vieillissement cutané. Diss. Reims, 2019.
483. Ma, Jinghua, et al. "The Potential of Pyrolyzates from Rapeseed Meal for Food Additives." Caribbean Journal of Science 51.3 (2018): 619-632.
484. Özcan, K., and Tuba Acet. "Antimicrobial and antioxidant screening, synergy studies of Helichrysum chionophilum extracts against to resistant microbial strains." Fresenius Environmental Bulletin 27.7 (2018): 5045-5052.
485. Sadiki, Fatima Zahra, et al. "Chemical composition and antibacterial activity of essential oil of Tetraclinis articulata (Vahl) Masters branches of eastern Morocco." Chemical and Biological Technologies in Agriculture 5.1 (2018): 24.

20). AD Kroumov, FB Scheufele, DEG Trigueros, AN Modenes, M Zaharieva, et al. Modeling and technoeconomic analysis of algae for bioenergy and coproducts, Algal Green Chemistry, 201-241

486. Choudhary, P. and R. K. Srivastava (2020). "Techno-economic case study: Bio-fixation of industrial emissions at an Indian oil and gas plant." Journal of Cleaner Production 266.10.1016/j.jclepro.2020.121820.
487. Costa, J.A.V., Freitas, B.C.B., Moraes, L., Zaparoli, M., Morais, M.G. Progress in the physicochemical treatment of microalgae biomass for value-added product recovery. Bioresource Technology, 301,122727
488. Del Mondo, Angelo, et al. "Challenging microalgal vitamins for human health." Microbial Cell Factories 19.1 (2020): 1-23.
489. Sansone, Clementina, and Christophe Brunet. "Marine Algal Antioxidants." Antioxidants 2020, 9(3), 206; <https://doi.org/10.3390/antiox9030206>
490. Anwar, Muhammad, et al. "Recent advancement and strategy on bio-hydrogen production from photosynthetic microalgae." Bioresource technology (2019): 121972.
491. Musa, Mutah, et al. "Microalgae dewatering for biofuels: A comparative techno-economic assessment using single and two-stage technologies." Journal of Cleaner Production 229 (2019): 325-336.
492. Razu, Mamudul Hasan, Farzana Hossain, and Mala Khan. "Advancement of Bio-hydrogen Production from Microalgae." Microalgae Biotechnology for Development of Biofuel and Wastewater Treatment. Springer, Singapore, 2019. 423-462.
493. Khadim, S. R., Singh, P., Singh, A. K., Tiwari, A., Mohanta, A., & Asthana, R. K. (2018). Mass cultivation of Dunaliella salina in a flat plate photobioreactor and its effective harvesting. Bioresource technology, 270, 20-29.
494. Khetkorn, W., Rastogi, R.P., Incharoensakdi, A., Lindblad, P., Madamwar, D., Pandey, A. and Larroche, C., (2017): Microalgal hydrogen production—A review. Bioresource Technology, 243, pp.1194-1206.

21). NAJDENSKI, H., M. Heyndrickx, L. Herman, W. Messens. Fla-DGGE analysis of Campylobacter jejuni and Campylobacter coli in cecal samples of broilers without cultivation. Vet. Microbiology, 2008, 127, 196-202.

495. Ahmed, M.U., Dunn, L., Ivanova, E.P. Evaluation of current molecular approaches for genotyping of campylobacter jejuni strains. Foodborne Pathog. Dis., 2012, 9(5), 375-385.
496. Bi, S., C. Miao, Z. Zhi, et al. Detection and genotyping of Campylobacter jejuni and Campylobacter

coli in food samples by Fla-DGGE. *Modern Food Sci. Technol.*, 2010, 26, 10, 1148-1152.

497. Daczowska-Kozon, E. G., Sawicki, W., & Skotarczak, K. The caeca-niche supporting survival of *Campylobacter* spp. in commercially reared broiler chickens. *Polish J. Food Nutr. Sci.*, 2010, 60(3), 265-271.
498. Lei S, et al. *J. South China University of Technol. (Nat. Sci.)*, 40 (5), 2012, 12-20.
499. Meng H-C, Bi S-L, Yan H, Shi L. Isolation of campylobacter strains in poultry products and genotyping identification of strains by means of PFGE and DGGE. *Huanan Ligong Daxue Xuebao/J. South China Univ. Technol. (Nat. Sci.)*, 40 (5), 2012, 149-154.
500. Vanmarsenille, Charlotte, et al. "Nanobodies targeting conserved epitopes on the major outer membrane protein of *Campylobacter* as potential tools for control of *Campylobacter* colonization." *Veterinary research* 48.1 (2017): 86.
501. Xing, L., X. Yongchun, & Y. Yueqing. Development of genotyping technologies of *Campylobacter jejuni*. *Publ. Health Prev. Med.*, 2012, 23 (006), 58-60.
502. Въшин, И.Т. Проучвания върху разпространението, видовия състав и някои особености на *Campylobacter* spp. при заклани животни. Дисертация „Доктор на ветеринарномедицинските науки” Стара Загора, 2009
- 22). NAJDENSKI, H., Kussovski, V., Vesselinova, A. Experimental *Burkholderia pseudomallei* infection of pigs. *J. Vet. Med. Series B: Infectious Diseases and Veterinary Public Health*, 2004, 51 (5), pp. 225-230.**
503. Boddey, J.A. Molecular and cellular characterisation of *Burkholderia pseudomallei* interactions with host cells. PhD thesis, School of Medical Science, Griffith University, Gold Coast, Queensland, 2005
504. Bondi, S.K., Goldberg, J.B. Strategies toward vaccines against *Burkholderia mallei* and *Burkholderia pseudomallei* (2008) *Expert Review of Vaccines*, 7 (9), pp. 1357-1365.
505. Conejero, L., N. Patel, M. Reynal, S. Oberdorf, J. Prior, P. Felgner, R. Titball, F. Salguero, G. Bancroft. Low-dose exposure of C57BL/6 mice to *burkholderia pseudomallei* mimics chronic human melioidosis. *Am J Pathol.* 2011, 179 (1):270-280.
506. Koh, G.C.K.W. The effect of glibenclamide on the pathogenesis of melioidosis. PhD Thesis, Oxford University Press, 2012.
507. Keluangkhot, V., Pethsouvanh, R., Strobel, M. Melioidosis [Mélioidose] (2005) *Medecine et Maladies Infectieuses*, 35 (10), pp. 469-475.
508. Sprague, L.D., and H. Neubauer. Melioidosis in animals: a review on epizootiology, diagnosis and clinical presentations. *J. Vet. Med.*, 2004, B51, 305-320.
509. Soffler, C., Bosco-Lauth, A.M., Aboellail, T.A., et al. Pathogenesis of percutaneous infection of goats with *Burkholderia pseudomallei*: clinical, pathologic, and immunological responses in chronic melioidosis. *Int. J. Exp. Pathol.*, 2014, 95, 2, 101-119.
510. Van Schaik, E., Tom, M., DeVinney, R., Woods, D.E. Development of novel animal infection models for the study of acute and chronic *Burkholderia pseudomallei* pulmonary infections (2008) *Microbes and Infection*, 10 (12-13), pp. 1291-1299.
511. Warawa, J. M. Evaluation of surrogate animal models of melioidosis. *Front. Microbiol. Cell. Infect. Microbiol.*, 2011, 1, 141, 1-12
512. Kwanhian, Wiyada, et al. "Investigation of Melioidosis Outbreak in Pig Farms in Southern Thailand." *Veterinary Sciences* 7.1 (2020): 9.
513. Amemiya, Kei, et al. "Animal Models for Melioidosis." *Current Tropical Medicine Reports* (2017): 1-15.

23). NAJDENSKI, H., Itean, I., Carniel, E. The genome of *Yersinia enterocolitica* is the most stable

of the three pathogenic species. (1995) Contributions to microbiology and immunology, 13, pp. 281-284.

514. Fredriksson-Ahomaa, M., Stolle, A., Stephan, R. Prevalence of pathogenic *Yersinia enterocolitica* in pigs slaughtered at a Swiss abattoir (2007) *International Journal of Food Microbiology*, 119 (3), pp. 207-212.
515. Fredriksson-Ahomaa, M., Stolle, A., Korkeala, H. Molecular epidemiology of *Yersinia enterocolitica* infections (2006) *FEMS Immunology and Medical Microbiology*, 47 (3), pp. 315-329.
516. Hallanvuo, S. Foodborne *Yersinia*: Identification and Molecular Epidemiology of Isolates from Human Infections. Academic Dissertation. University of Helsinki, Faculty of Agriculture and Forestry, 2009.
517. Huang XZ, Chu MC, Engelthaler DM, et al. Genotyping of a homogeneous group of *Yersinia pestis* strains isolated in the United States. *J. Clin. Microbiol.*, 2002, 40, 4, 1164-1173.
518. Kasimir, S. Verlaufsuntersuchungen zum Vorkommen potentiell humanpathogener *Yersinia enterocolitica* und *Campylobacter* spp. in Schweinebeständen von der Geburt bis zur Schlachtung sowie genotypisierung ausgewählter isolate. Dissertation, Veterinärmedizinischen Fakultät, Universität Leipzig, 2005.
519. Lindler, L.E. *Yersinia pestis* as an emerged pathogen. What lessons can be learned? In: Biological weapons defense, Infectious diseases and counterbioterrorism (L.E. Lindler, F.J. Lebeda and G.W. Korch, eds.), 2005.
520. Lyte M, Nguyen KT. Alteration of *Escherichia coli* O157:H7 growth and molecular fingerprint by the neuroendocrine hormone noradrenaline. *Microbios*, 1997, 89, 360-61, 197-213.
521. Matic I, Radman M, Taddei F, et al. Highly variable mutation rates in commensal and pathogenic *Escherichia coli*. *Science*, 1997, 277, 5333, 1833-1834.
522. Metzgar D, Wills C. Evidence for the adaptive evolution of mutation rates. *Cell*, 2000, 101, 6, 581-584.
523. Metzgar D, Wills C. Evolutionary changes in mutation rates and spectra and their influence on the adaptation of pathogens. *Microb. Infection*, 2000, 2, 12, 1513-1522.
524. Pang T. Genetic dynamics of *Salmonella typhi* - diversity in clonality. *Trends Microbiol.*, 1998, 9, 339-342.
525. Taddei F, Matic I, Godelle B, et al. To be a mutator, or how pathogenic and commensal bacteria can evolve rapidly. *Trends Microbiol.*, 1997, 5, 11, 427-428.
526. Leon-Velarde, Carlos G. The Application of Bacteriophage Host Recognition Binding Proteins for the Isolation of *Yersinia enterocolitica* in Foods. Diss. 2017.
- 24). Voynikov, Yulian, et al. "Hydroxycinnamic acid amide profile of *Solanum schimperianum* Hochst by UPLC-HRMS." *International Journal of Mass Spectrometry* 408 (2016): 42-50.**
527. Roumani, Marwa, et al. "Phenolamides: Plant specialized metabolites with a wide range of promising pharmacological and health-promoting interests." *Biomedicine & Pharmacotherapy* 131 (2020): 110762.
528. Samulski, Gabriela Bontempo, et al. "Dereplication of *Palicourea sessilis* ethanol extracts by UPLC-DAD-ESI-MS/MS discloses the presence of hydroxycinnamic acid amides and the absence of monoterpene indole alkaloids." *Biochemical Systematics and Ecology* 92 (2020): 104114.
529. Zhang, W., X. Sun, W. Sui, X. Jiang, S. Cang, Q. Wang, R. Liu, H. Xu, Q. Li, W. Bi and Y. Cui (2020). "Quality Control of Xiebai San Standard Decoction Assisted by Network Pharmacology Strategy." *Chromatographia* 83(7): 873-884.10.1007/s10337-020-03897-w.
530. Chen, X. H., et al. "Identification of compounds in *Lycii* Cortex by UPLC-LTQ-Orbitrap-MS." *Zhongguo Zhong yao za zhi= Zhongguo zhongyao zazhi= China journal of Chinese materia medica*

44.20 (2019): 4486-4494.

531. Dastmalchi, Keyvan, et al. "Temporal resistance of potato tubers: Antibacterial assays and metabolite profiling of wound-healing tissue extracts from contrasting cultivars." *Phytochemistry* 159 (2019): 75-89.
532. Paul, Kenny, et al. "A Combined Phenotypic and Metabolomic Approach for Elucidating the Biostimulant Action of a Plant-derived Protein Hydrolysate on Tomato Grown under Limited Water Availability." *Frontiers in plant science* 10 (2019): 493.
533. Alajmi MF, Alam P, Rehman M, Husain FM, Khan AA, Siddiqui NA, Hussain A, Kalam M, Parvez MK. Interspecies Anticancer and Antimicrobial Activities of Genus *Solanum* and Estimation of Rutin by Validated UPLC-PDA Method. *Evidence-Based Complementary and Alternative Medicine* 2018.
534. Buitimea-Cantua NE, Gutierrez-Urbe JA, Serna-Saldivar SO. Phenolic-protein interactions: Effects on food properties and health benefits. *Journal of medicinal food* 21 (2): 188-198, 2018.
535. Li, Zaifang, et al. "Deep annotation of hydroxycinnamic acid amides in plants based on ultra-high-performance liquid chromatography–high-resolution mass spectrometry and its in silico database." *Analytical chemistry* 90.24 (2018): 14321-14330.
536. Du, Nana, et al. "Discovery of new muscarinic acetylcholine receptor antagonists from *Scopolia tangutica*." *Scientific Reports* 7 (2017).
537. Favre, Laurie, et al. "Discrimination of Four Marine Biofilm-Forming Bacteria by LC–MS Metabolomics and Influence of Culture Parameters." *Journal of Proteome Research* 16.5 (2017): 1962-1975.
- 25). Tsvetkova, I., NAYDENSKI H., Petrova A. et al. Antibacterial activity of some bulgarian higher basidiomycetes. *Int. J. Med. Mushr.*, 2006, 8, 63—66.**
538. Abdel-Azeem, Ahmed M., Mohamed A. Abdel-Azeem, and Waleed F. Khalil. "Endophytic fungi as a new source of antirheumatoid metabolites." *Bioactive Food as dietary interventions for arthritis and related inflammatory diseases*. Academic Press, 2019. 355-384.
539. Badalyan, S. Medicinal aspects of edible ectomycorrhizal mushrooms. In *Edible Ectomycorrhizal Mushrooms* (pp. 317-334). Springer Berlin Heidelberg, 2012.
540. Elsayed, E. A., El Enshasy, H., Wadaan, M. A., & Aziz, R. Mushrooms: A Potential Natural Source of Anti-Inflammatory Compounds for Medical Applications. *Mediators of inflammation*, 2014, 2014, Article ID 805841, 15 pages
541. Krupodorova, Tetiana, Victor Barshteyn, and Elena Pokas. "Antibacterial activity of *Fomitopsis betulina* cultural liquid." *EUREKA: Life Sciences* 6 (2019): 10-16.
542. Reyes, Renato G., et al. "A New Record of the Mycoparasitic Habit of *Collybia reinakeana* RGR-FE-NSC Strain against *Aspergillus flavus*, *Fusarium oxysporum* and *Cladosporium sphaerospermum*."
543. Sajon, Sadiur Rahman, et al. "Mushrooms: Natural factory of anti-oxidant, anti-inflammatory, analgesic and nutrition." *Journal of Pharmacognosy and Phytochemistry* 7.1 (2018): 464-475.
544. Sánchez, Carmen. "Bioactives from Mushroom and Their Application." *Food Bioactives*. Springer International Publishing, 2017. 23-57.
545. Teplyakova, T.V., Psurtseva, N.V., Kosogova, T.A., et al. Antiviral activity of polyporoid mushrooms (higher Basidiomycetes) from Altai Mountains (Russia). *Int. J. Med. Mushrooms*, 2012, 14(1).
546. Zafar, Sadia, et al. "Mushroom Species and Classification: Bioactives in Poisonous and Edible Mushrooms." *Poisonous Plants and Phytochemicals in Drug Discovery* (2020): 163-188.
547. Zaichenko, Tetiana, et al. "Antibacterial Properties of Some Macromycetes." *Naukovi Visti NTUU KPI* 3 (2017): 19-28.
548. Круподьорова, Т.А., Н.А. Бісько, Н.Л. Поєдинок, и сотр. Антимікробна активність штамів

Ganoderma applanatum (Pers.: Wallr.) pat. та *G. lucidum* (curt.: fr.) p. karst. в умовах глибинного культивування. Укр. Ботан. Журн., 2008, 65, 4, 590-595.

549. Сенюк, О.Ф., Горовой, Л.Ф., Паламар, Л.А., & Круль, Н.И. Влияние меланин-глюканового комплекса, выделенного из грибов трутовика, на продолжительность жизни самок мышей линии ICR. Пробл. старения и долголетия, 2014, 23, 1, 11-27

26). NAJDENSKI, H., Vesselinova, A., Golkocheva, E., Garbom, S., Wolf-Watz, H. Experimental infections with wild and mutant *Yersinia pseudotuberculosis* strains in rabbits (2003) *Journal of Veterinary Medicine, Series B*, 50 (6), pp. 280-288.

550. Carolin A. Wiedig, Uwe Kramer, Sara Garbom, Hans Wolf-Watz, Ingo B. Autenrieth, Induction of CD8+ T cell responses by *Yersinia* vaccine carrier strains, *Vaccine*, 2005, 23, 42, 4984.

551. Fisher, M.L., Castillo, C., Mecsas, J. Intranasal inoculation of mice with *Yersinia pseudotuberculosis* causes a lethal lung infection that is dependent on *Yersinia* outer proteins and PhoP (2007) *Infection and Immunity*, 75 (1), pp. 429-442.

552. Matthias Ullrich. Bacterial polysaccharides. Current innovations and future trends (2009) Horizon Scientific Press

553. Pitkälä, A., Virtanen, T., Joutsen, S., Leimi, A., Tuominen, P. *Yersinia enterocolitica* ja *Yersinia pseudotuberculosis* suomalaisissa elintarvikkeissa – riskiprofiili. *Eviran Tutkimuksia*, 2009, 2, pp 75.

554. Vassilakos D., A. Natoli, M. Dahlheim, A. R. Hoelzel, Balancing and Directional Selection at Exon-2 of the MHC DQB1 Locus among Populations of Odontocete Cetaceans, *Molecular Biology and Evolution*, 2008, 26, 3, 681

555. Chassang, Lucile, et al. "Antemortem diagnosis and surgical management of splenitis due to *Yersinia pseudotuberculosis* infection in a pet rabbit (*Oryctolagus cuniculus*)."
Journal of exotic pet medicine 29 (2019): 182-187.

556. Zwack, Erin E., et al. "Guanylate Binding Proteins Regulate Inflammasome Activation in Response to Hyperinjected *Yersinia* Translocon Components." *Infection and immunity* 85.10 (2017): e00778-16.

557. Кокорина, Г. И., О. А. Шендерович, and Г. Я. Ценева. "Применение иммуноблота в диагностике затяжных форм иерсиниоза и изучении вопросов патогенеза (обзор литературы)."
Клиническая лабораторная диагностика 11 (2006): 47-49.

27). Popova, M., V. Bankova, I. Tsvetkova, C. NAYDENSKI, M. V. Silva. The First Glycosides Isolated from Propolis: Diterpene Rhamnosides. *Z. Naturforsch.* 56c, 1108 – 1111 (2001).

558. Aminimoghadamfarouj, Noushin, and Alireza Nematollahi. "Propolis Diterpenes as a Remarkable Bio-Source for Drug Discovery Development: A Review." *International journal of molecular sciences* 18.6 (2017): 1290.

559. Aminimoghadamfarouj, Noushin, and Alireza Nematollahi. "Structure Elucidation and Botanical Characterization of Diterpenes from a Specific Type of Bee Glue." *Molecules* 22.7 (2017): 1185.

560. Chinou, I. Labdanes of natural origin-biological activities (1981-2004). *Current Medicinal Chemistry* 12(11), 1295-1317 (2005)

561. King, Douglas Iain. "Kangaroo Island Propolis: Improved Characterisation and Assessment of Chemistry and Botanical Origins through Metabolomics." (2017).

562. Ohsaki, A., Yokoyama, R., Miyatake, H., Fukuyama, Y. *Chemical and Pharmaceutical Bulletin* 54(12), 1728-1729 (2006)

563. Salatino, A., Fernandes-Silva, C.C., Righi, A.A., & Salatino, M.L.F. Propolis research and the chemistry of plant products. *Nat. Prod. Rep.*, 2011, 28(5), 925-936.

564. Seidel, V., Peyfoon, E., Watson, D.G., Fearnley, J. *Phytotherapy Research* 22 (9), 1256-1263 (2008)

565. Temiz, A., Şener, A., Tüylü, A. et al. Antibacterial activity of bee propolis samples from different

- geographical regions of Turkey against two foodborne pathogens, *Salmonella* Enteritidis and *Listeria monocytogenes*. *Turkish J. Biol.*, 2011, 35(4), 503-511.
566. Tran, Trong D., et al. "Lessons from exploring chemical space and chemical diversity of propolis components." *International journal of molecular sciences* 21.14 (2020): 4988, 1-35
567. Кайгородов, Р. В., and Е. И. Попова. "ЭКОЛОГО-БИОХИМИЧЕСКИЕ ФАКТОРЫ СОСТАВА И СВОЙСТВ ПРОДУКТОВ ПЧЕЛОВОДСТВА НА ПРИМЕРЕ М Е Д А И ПРОПОЛИСА." *История и методология физиолого-биохимических и почвенных исследований*. 2017.
568. **28). Vesselinova, A., NAJDENSKI, H., Nikolova, S., Kussovski, V. Experimental melioidosis in hens (1996) *Journal of Veterinary Medicine, Series B*, 43 (6), pp. 371-378.**
569. Amemiya, Kei, et al. "Animal models for melioidosis." *Current Tropical Medicine Reports* 4.4 (2017): 208-222.
570. Cheng, A.C., Currie, B.J. *Melioidosis: Epidemiology, pathophysiology, and management* (2005) *Clinical Microbiology Reviews*, 18 (2), pp. 383-416.
571. Dance, D.A.B. 2010, *Melioidosis and glanders as possible biological weapons*. In *Bioterrorism and Infectious Agents: A New Dilemma for the 21st Century* (pp. 99-145). Springer New York.
572. Galperin, M. Y. A census of membrane-bound and intracellular signal transduction proteins in bacteria: Bacterial IQ, extroverts and introverts. *BMC Microbiology*, 2005, 5, 35.
573. Hampton, Vanya, et al. "Melioidosis in birds and *Burkholderia pseudomallei* dispersal, Australia." *Emerging infectious diseases* 17.7 (2011): 1310.
574. Jimma, T.K Vaccine development against plague, glanders and melioidosis in the former Soviet Union in comparison to the current state of global knowledge. Institute of Animal Hygiene and Veterinary Public Health Faculty of Veterinary Medicine, University of Leipzig, Dissertation, 2010.
575. Mahfouz, Magdy E., et al. "Characterization of the mrgRS locus of the opportunistic pathogen *Burkholderia pseudomallei*: temperature regulates the expression of a two-component signal transduction system." *BMC microbiology* 6.1 (2006): 1-16.
576. Parrot, N. A., Captive Necropsy, and Singapore Captive NA. "Melioidosis in Birds and *Burkholderia pseudomallei* Dispersal, Australia."
577. Soffler, Carl. Development and characterization of caprine infection models of melioidosis, The. Diss. Colorado State University, 2007.
578. Soltan Dallal, M.M., S. Hidarzadeh, M. Azarsa, et al. Synergistic effect polymyxin B sulphate and trimethoprim on *Yersinia enterocolitica* and closely related species. *J. Zanjan Univ. Med. Sci. Health Serv.* 2012, 20(79).
579. Sonne, L., D.L. Raymundo, F.M. Boabaid, M.R. Borba, G.G.M. Snel, M.J.P. Gomes and D. Driemeier. Systemic infection by *Yersinia enterocolitica* in chinchillas (*Chinchilla laniger*). *Pesquisa Veterinaria Brasileira*. 2012, 32(5), 379-382. ISSN:0100-736X.
580. Sprague, L.D., and H. Neubauer. *Melioidosis in animals: a review on epizootiology, diagnosis and clinical presentations*. *J. Vet. Med.*, 2004, B51, 305-320.
581. Warner, Jeffrey Mitchell. The epidemiology of melioidosis in Papua New Guinea. Diss. James Cook University, 2004.
- 29). Iteman, I., NAJDENSKI, H., Carniel, E. High genomic polymorphism in *Yersinia pseudotuberculosis*. (1995) *Contributions to microbiology and immunology*, 13, 106-111.**
582. Carnoy C, Floquet S, Marceau M, et al. The superantigen gene ypm is located in an unstable chromosomal locus of *Yersinia pseudotuberculosis*. 9th Int. Conf. Microb. Genomes, 2000 Lake Arrowhead, California. *J. Bacteriol.*, 2002, 184, 16, 4489-4499.
583. Fredriksson-Ahomaa, M. Epidemiology of human *Yersinia pseudotuberculosis* infection [Epidemiologic von *Yersinia pseudotuberculosis* Infektionen beim Menschen] (2009) *Archiv fur*

Lebensmittelhygiene, 60 (2), pp. 82-87.

584. Fredriksson-Ahomaa, Maria. "Tracing of enteropathogenic *Yersinia*." *Yersinia: Systems Biology and Control*. Caister Academic Press, 2012. 201-216.
585. Hallanvuori, S. Foodborne *Yersinia*: Identification and Molecular Epidemiology of Isolates from Human Infections. Doctoral dissertation. University of Helsinki, Faculty of Agriculture and Forestry, 2009.
586. Hallanvuori, Saija, et al. "Molecular epidemiology of the five recent outbreaks of *Yersinia pseudotuberculosis* in Finland." *The Genus Yersinia*. Springer, Boston, MA, 2004. 309-312.
587. Laukkanen-Ninios, Riikka, Maria Fredriksson-Ahomaa, and Hannu Korkeala. "Enteropathogenic *Yersinia* in Foods." *Food Associated Pathogens*. CRC Press, Taylor & Francis Group, 2013. 316-338.
588. Matic I, Radman M, Taddei F, et al. Highly variable mutation rates in commensal and pathogenic *Escherichia coli*. *Science*, 1997, 277, 5333, 1833-1834.
589. Metzgar D, Wills C. Evolutionary changes in mutation rates and spectra and their influence on the adaptation of pathogens. *Microb. Infection*, 2000, 2, 12, 1513-1522
590. Niskanen T, Laukkanen R, Murros A, et al. Characterisation of non-pathogenic *Yersinia pseudotuberculosis*-like strains isolated from food and environmental samples. *Intern. J. Food Microbiol.*, 2009, 129, 2, 150-156.
591. Niskanen, T. Diagnostics and epidemiology of *Yersinia pseudotuberculosis*. Academic Dissertation, Department of Food and Environmental Hygiene, Faculty of Veterinary Medicine, University of Helsinki, Finland, 2010.
592. Niskanen, T., M. Fredriksson-Ahomaa, and H. Korkeala. *Yersinia pseudotuberculosis* with limited genetic diversity is a common finding in tonsils of fattening pigs. *J. Food Protection*, 2002, 65, 3, 540-545.
593. Odaert M, Berche P, Simonet M. Molecular typing of *Yersinia pseudotuberculosis* by using an IS200-like element. *J. Clin. Microbiol.*, 1996, 34, 9, 2231-2235.
594. Sebbane, Florent, et al. "The Superantigen Gene."
595. Voskresenskaya, E., et al. "Typing and clustering of *Yersinia pseudotuberculosis* isolates by restriction fragment length polymorphism analysis using insertion sequences." *Journal of clinical microbiology* 52.6 (2014): 1978-1989.
596. Voskresenskaya E, Leclercq A, Tseneva G, et al. Evaluation of ribotyping as a tool for molecular typing of *Yersinia pseudotuberculosis* strains of worldwide origin. *J. Clin. Microbiol.*, 2005, 43, 12, 6155-6160.

30). Najdenski, Hristo, et al. Migratory birds along the Mediterranean–Black Sea Flyway as carriers of zoonotic pathogens. Canadian journal of microbiology 64.12 (2018): 915-924.

597. Akyildiz, Gurkan, et al. "High Prevalence and Different Genotypes of Crimean-Congo Hemorrhagic Fever Virus Genome in Questing Unfed Adult *Hyalomma marginatum* in Thrace, Turkey." *Ticks and Tick-borne Diseases* (2020): 101622.
598. Eisenberg, Tobias, et al. "Expanding the host range: infection of a reptilian host (*Furcifer pardalis*) by an atypical *Brucella* strain." *Antonie van Leeuwenhoek* 113.10 (2020): 1531-1537.
599. Gayle, Albert A. "AI for Early Warning of Seasonal Infectious Disease: Shapely Additive Explanations Improves Prediction of Extraordinary West Nile virus Events in Europe." *medRxiv* (2020).
600. Gayle, Albert A. "Artificial Intelligence Predicts and Explains West Nile Virus Risks Across Europe: Extraordinary Outbreaks Determined by Climate and Local Factors." *medRxiv* (2020)
601. Gayle, Albert A. "Explainable AI Unravels Local Factors Driving Extraordinary Outbreaks of West Nile Virus in Europe." *medRxiv* (2020).
602. Wareth, Gamal, et al. "Susceptibility of Avian Species to *Brucella* Infection: A Hypothesis-Driven

- Study." *Pathogens* 9.2 (2020): 77.
603. Ebani, Valentina Virginia, et al. "Molecular survey on the occurrence of avian haemosporidia, *Coxiella burnetii* and *Francisella tularensis* in waterfowl from central Italy." *International Journal for Parasitology: Parasites and Wildlife* 10 (2019): 87-92.
 604. Gan, Lin, et al. "Carriage and potential long distance transmission of *Listeria monocytogenes* by migratory black-headed gulls in Dianchi Lake, Kunming." *Emerging microbes & infections* 8.1 (2019): 1195-1204.
 605. Islam, Md, et al. "Virulence Determinants and Multidrug Resistance of *Escherichia coli* Isolated from Migratory Birds." *Antibiotics* 10.2 (2021): 190.
 606. Sauvala, Mikaela, et al. "Hunted game birds—Carriers of foodborne pathogens." *Food Microbiology* 98 (2021): 103768.
 607. Melo, Aryse Martins, et al. "Aspergillosis, Avian Species and the One Health Perspective: The Possible Importance of Birds in Azole Resistance." *Microorganisms* 8.12 (2020): 2037.
 608. Доронин, И. В., В. Р. Алексеев, and А. А. Котов. "Морфологическое и молекулярно-генетическое разнообразие пресноводных гарпактицид (Crustacea: Copepoda: Harpacticoida) Северо-Запада Евразии."
- 32). NAJDENSKI, H., Golkocheva, E., Kussovski, V., Ivanova, E., Manov, V., Iliev, M., Vesselinova, A., Skurnik, M. Experimental pig yersiniosis to assess attenuation of *Yersinia enterocolitica* O:8 mutant strains (2006) *FEMS Immunol. Med. Microbiol.*, 47 (3), 425-435.**
609. Bartra, S.C.S. Outer membrane proteins of *Yersinia pestis* Ail and OmpA (2010) Institute of Microbiology, Umea University, Umea, Sweden, PhD Thesis.
 610. Leibiger, R., Niedung, K., Geginat, G., Heesemann, J., Trülsch, K. *Yersinia enterocolitica* Yop mutants as oral live carrier vaccines. (2008) *Vaccine*, 26 (51), 6664-6670.
 611. Schaake, J., Kronshage, M., Uliczka, F., et al. Human and animal isolates of *Yersinia enterocolitica* show significant serotype-specific colonization and host-specific immune defense properties. *Infect. Immun.*, 2013, 11, 81, 4013-4025.
 612. Schaake, J., Drees, A., Grüning, P., et al. Essential role of invasin for colonization and persistence of *Yersinia enterocolitica* in its natural reservoir host, the pig. *Inf. Immun.*, 2014, 82(3), 960-969.
 613. Valentin-Weigand, P., Heesemann, J., & Dersch, P. Unique virulence properties of *Yersinia enterocolitica* O: 3—An emerging zoonotic pathogen using pigs as preferred reservoir host. *International Journal of Medical Microbiology*, 304(7), 2014, 824-834.
 614. Axler-DiPerte, Grace L. Identification and characterization of the *Yersinia enterocolitica* YtxR regulon. Diss. New York University, 2007.
- 32). De Rosa, S., Kamenarska, Z., Stefanov, K., Dimitrova-Konaklieva, S., NAJDENSKI, C., Tzevtkova, I., Ninova, V., Popov, S. Chemical composition of *Corallina mediterranea* Areschoug and *Corallina granifera* Ell. et Soland. *Zeitschrift fur Naturforschung - Section C Journal of Biosciences*, 2003, 58 (5-6), 325-332.**
615. Abd El-malek, Fady, et al. "Polyhydroxyalkanoate nanoparticles produced by marine bacteria cultivated on cost effective Mediterranean algal hydrolysate media." *Journal of Biotechnology* 328 (2021): 95-105.
 616. Borik, R.M. Volatile compounds extraction, fractionation and identification from the red alga *Corallina officinalis*. *World Appl. Sci. J.*, 2014, 30 (6), 741-746.
 617. De Oliveira, A.L., Avaliação química e biológica de espécimens de *Bostrychia radicans* (Rhodomelaceae), Dissertação, Universidade de São Paulo, Faculdade de Ciências Farmacêuticas de Ribeirão Preto, 2009.

618. El Zawawy, Nessma A., et al. "A novel study on the inhibitory effect of marine macroalgal extracts on hyphal growth and biofilm formation of candidemia isolates." *Scientific Reports* 10.1 (2020): 1-10.
 619. Erickson, A.A., V.J. Paul, van Alstyne, K.L., L. M. Kwiatkowski. Palatability of macroalgae that use different types of chemical defenses. *J. Chem. Ecol.*, 2006, 32, 9.
 620. Kumar, J., Dhar, P., Tayade, A.B., Gupta, D., Chaurasia, O.P., Upreti, D.K., Toppo, K., Arora, R., Suseela, M.R., Srivastava, R.B. Chemical composition and biological activities of trans-Himalayan alga *Spirogyra porticalis* (Muell.) Cleve *PLoS ONE* 2015, 10, Article number e0118255
 621. Labib, Wagdy, and Shima Hosny. "Nitrogen and protein contents of *Ulva fasciata* and *Corallina officinalis* under environmental variations." *Egyptian Journal of Aquatic Biology and Fisheries* 24.3 (2020): 425-438.
 622. Martínez, S., & Laurenis, Del V. Evaluación de los metabolitos secundarios y la actividad biológica del alga invasora *Caulerpa racemosa*. Universidad de Oriente Núcleo de Sucre. (2013). <http://hdl.handle.net/123456789/3820>.
 623. Rauter, A.P., M.M. Filipe, C. Prata, J.P. Noronha, M.A.M. Sampayo, J. Justino, J. Bermejo. A new dihydroxysterol from the marine phytoplankton *Diacronema* sp. *Fitoterapia*, 2005, 76, 5, 433-438.
 624. Takeara, Renata, et al. "Antileukemic effects of *Didemnum psammatoedes* (Tunicata: Ascidiacea) constituents." *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology* 151.3 (2008): 363-369.
 625. Zivanovic A, Skropeta D. c-AMP dependent protein kinase A inhibitory activity of six algal extracts from South Eastern Australia and their fatty acid composition. *Nat. Prod. Comm.*, 2012, 7 (7), 2012, 923-926.
- 33). NAJDENSKI, H., S. Nikolova, A. Vesselinova, P. Nejkov. Studies on *Yersinia enterocolitica* O:3 experimental infection in pigs. *J. Vet. Med., B*, 45, 1998, 59-64.**
626. Bartling C, Truyen U, Isa G, et al. Investigations on the prevalence of *Yersinia*-specific antibodies in cattle in Bavaria. Meeting of the Bacteriology and Mycology Working Group of the German-Vet.-Med.-Society, JUN 09-12, 2004 Berlin, Germany. *Berliner und Munchener Tierärztliche Wochenschrift*, 2004, 117, 11-12, 499-507.
 627. Brugmann, M., M. Peters, J. Mumme. *Yersinia enterocolitica* – septicemia in an American Minipig. *Deutsche Tierärztliche Wochenschrift*, 2001, 108, 6, 257.
 628. Caspari, K. Untersuchungen zum Vorkommen von humanpathogenen *Yersinia enterocolitica* bei Schlachtschweinen aus verschiedenen Haltungformen. Dissertation, Aus dem Institut für Lebensmittelqualität und -sicherheit des Zentrums für Lebensmittelwissenschaften der Tierärztlichen Hochschule Hannover, 2005.
 629. Garthoff LH, Sobotka TJ. From farm to table to brain: Foodborne pathogen infection and the potential role of the neuro-immune-endocrine system in neurotoxic sequelae. *Nutritional Neuroscience*, 2001, 4, 5, 333-374.
 630. Hensel A, Nikolaou K, Bartling C, et al. On the prevalence of anti-*Yersinia* outer protein antibodies in bavarian slaughter pigs: *Berliner und Munchener Tierärztliche Wochenschrift*. 2004, 117, 1-2, 30-38.
 631. Louis, A.L. Untersuchungen zum Nachweis von *Yersinia enterocolitica* im Kot von Mastschweinen mittels Immunfluoreszenztest. Dissertation, Aus der Klinik für kleine Klauentiere und forensische Medizin und Ambulatorischen Klinik der Tierärztlichen Hochschule Hannover, 2005.
 632. Neubauer H, Sprague LD, Scholz H, et al. *Yersinia enterocolitica* infections: Impact on animal health. *Berliner und Munchener Tierärztliche Wochenschrift*, 2001, 114, 1-2, 8-12.
 633. Голкочева, Е. Мембранносвързаните протеини – фактор на специфичност в серологични изследвания при йерсиниозата. Дисертация за присъждане на образователната и научна степен "доктор". София, 2003.

634. Fredriksson-Ahomaa, Maria. "Molecular epidemiology of yadA-positive *Yersinia enterocolitica*." (2001).
635. Arnold, Thorsten. "Nachweis von *Salmonella* und *Yersinia enterocolitica* im persistent infizierten Schwein." (2002).
- 34). Georgieva, K., Popova, M., Dimitrova, L., Trusheva, B., Phuong, D. T. L., Lien, N. T. P., Najdenski H., Bankova, V.. Phytochemical analysis of Vietnamese propolis produced by the stingless bee *Lisotrigona cacciae*. 14, 4, PloS one, 2019, ISSN:19326203, DOI:10.1371/journal.pone.0216074, 1-13. ISI IF:2.776**
636. Abdullah, Nurul Aliah, et al. "Phytochemicals, mineral contents, antioxidants, and antimicrobial activities of propolis produced by Brunei stingless bees *Geniotrigona thoracica*, *Heterotrigona itama*, and *Tetrigona binghami*." *Saudi journal of biological sciences* 27.11 (2020): 2902-2911.
637. Ebrahimzadeh, Mohammad Ali, et al. "Enhanced catalytic and antibacterial efficiency of biosynthesized *Convolvulus fruticosus* extract capped gold nanoparticles (CFE@ AuNPs)." *Journal of Photochemistry and Photobiology B: Biology* 209 (2020): 111949.
638. HAMZAH, SYAHIR AMIR, NORHASNIDA ZAWAWI, and SURIANA SABRI. "A Review on the Association of Bacteria with Stingless Bees." *Sains Malaysiana* 49.8 (2020): 1853-1863.
639. Shirzadi-Ahodshti, Mina, Sobhan Mortazavi-Derazkola, and Mohammad Ali Ebrahimzadeh. "Biosynthesis of noble metal nanoparticles using *Crataegus monogyna* leaf extract (CML@ X-NPs, X= Ag, Au): Antibacterial and cytotoxic activities against breast and gastric cancer cell lines." *Surfaces and Interfaces* 21 (2020): 100697.
640. Shirzadi-Ahodshti, Mina, et al. "Facile and eco-benign synthesis of a novel MnFe₂O₄@ SiO₂@ Au magnetic nanocomposite with antibacterial properties and enhanced photocatalytic activity under UV and visible-light irradiations." *Applied Organometallic Chemistry* 34.5 (2020): e5614.
641. Tran, Trong D., et al. "Lessons from Exploring Chemical Space and Chemical Diversity of Propolis Components." *International Journal of Molecular Sciences* 21.14 (2020): 4988.
642. Hamouda, Sayed Mohammed, et al. "Apitherapy of Septic Metacarpal and Metatarsal Wounds (An Experimental Study on Donkeys)." *Clinical Medicine Research* 8.4 (2019): 77.
643. Kitamura, Hiroshi. "Effects of Propolis Extract and Propolis-Derived Compounds on Obesity and Diabetes: Knowledge from Cellular and Animal Models." *Molecules* 24.23 (2019): 4394.
- 35). Chochkova, M. G., Chorbazhiyska, E. Y., Ivanova, G. I., Najdenski, H., Ninova, M., Milkova, T. S. Antimicrobial and Radical Scavenging Activities of N-Hydroxycinnamoyl – L-Cysteine and - L-Proline Ethyl Esters. 2, The Natural Products Journal, 2012, 50-54. ISI IF:0.7**
644. Monteiro, Luís S., et al. "An efficient one-pot synthesis of polyphenolic amino acids and evaluation of their radical-scavenging activity." *Bioorganic chemistry* 89 (2019): 102983.
645. Monteiro, Luís S., et al. "Synthesis and preliminary biological evaluation of new phenolic and catecholic dehydroamino acid derivatives." *Tetrahedron* 73.43 (2017): 6199-6209.
646. Kwak, Seon-Yeong, et al. "Chemical modulation of bioactive compounds via oligopeptide or amino acid conjugation." *Peptide Science* 100.6 (2013): 584-591.
647. Noumi, Emmanuel, and Guy Alain Tagne Tiam. "International Journal of Current Research in Biosciences and Plant Biology." *Int. J. Curr. Res. Biosci. Plant Biol* 3.1 (2016): 66-91.
648. Ahlawat, Shruti, et al. "Bioevaluation and molecular docking analysis of novel phenylpropanoid derivatives as potent food preservative and anti-microbials." *3 Biotech* 11.2 (2021): 1-10.
649. Machado, Inês Marques. Synthesis of catecholic amino acids and peptides or conjugates of catechols with amino acids and peptides. Diss. 2018.

36). Popova, M., Lazarova, H., Trusheva, B., Popova, M., Bankova, V., Mihály, J., Najdenski H.,

Tsvetkova, I., Szegedi, Á.. Nanostructured silver silica materials as potential propolis carriers.. 263, 2018, 28-33. ISI IF:3.649

650. Ceylan, Ozgur, Hatice Karakus, and Huseyin Cicek. "Design and in vitro antibiofilm activity of propolis diffusion-controlled biopolymers." *Biotechnology and Applied Biochemistry* (2020) in press
651. Melendez-Rodriguez, Beatriz, et al. "Electrospun Antimicrobial Films of Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) Containing Eugenol Essential Oil Encapsulated in Mesoporous Silica Nanoparticles." *Nanomaterials* 9.2 (2019): 227.
652. Das T.K., Ganguly S., Bhawal P., Remanan S., Ghosh S., Das N.C. A facile green synthesis of silver nanoparticles decorated silica nanocomposites using mussel inspired polydopamine chemistry and assessment its catalytic activity. *J. Environ. Chem. Eng.*, 6 (6), 6989-7001, 2018.
653. Гребенникова, Татьяна Алексеевна, Виктория Вадимовна Трошина, and Жанна Евгеньевна Белая. "Маркеры и генетические предикторы остеопороза в рутинной клинической практике." *Consilium Medicum* 21.4 (2019).
654. Syukri, Y. A. N. D. I., et al. "Fabrication of Propolis Self-Nano Emulsifying Using Virgin Coconut Oil as Lipid-Based Vehicle." *Advanced Materials Research*. Vol. 1162. Trans Tech Publications Ltd, 2021.
655. Bernardo, Marcela P., et al. "Innovations in Antimicrobial Engineered Nanomaterials." *Advanced Nanostructured Materials for Environmental Remediation*. Springer, Cham, 2019. 253-277.
656. Dias, Rebeca Tibau Aguiar. "Desenvolvimento de sistemas visando o tratamento de lesões cutâneas à base de fibras de PLA/PEG e própolis vermelha produzidas por solution blow spinning." (2019).
657. Ikeda, Natália Yumi. Evaluation of the residues from the ethanolic extraction of organic propolis as a source of biological compounds. Diss. Universidade de São Paulo.
658. Correa-González, Yuly Ximena, Maritza Adelina Rojas-Cardozo, and Claudia Elizabeth Mora-Huertas. "Potentialities of the Colombian propolis in pharmaceuticals and cosmetics: A standpoint from the quality control." *Revista Colombiana de Ciencias Químico-Farmacéuticas* 48.3 (2019): 762-788.

37). Gacheva G., Gigova L., Ivanova N., Iliev I., Toshkova R., Gardeva E., Kussovski V., NAJDENSKI H. Suboptimal growth temperatures enhance the biological activity of cultured cyanobacterium *Gloeocapsa* sp. *Journal of Applied Phycology*, 1, 25, 2013, 183-194, ISSN: 0921-8971. IF 2.326

659. Deutsch, Ynon, et al. "Endophytes From Algae, a Potential Source for New Biologically Active Metabolites for Disease Management in Aquaculture." *Frontiers in Marine Science* 8 (2021): 333.
660. Heydarizadeh, P., Poirier, I., Loizeau, D., et al. Plastids of marine phytoplankton produce bioactive pigments and lipids. *Marine Drugs*, 2013, 9, 11, 3425-3471.
661. Leão, P.N., Ramos, V., Gonçalves, P.B., et al. Chemoecological screening reveals high bioactivity in diverse culturable Portuguese marine cyanobacteria. *Marine Drugs*, 4, 11, 2013, 1316-1335.
662. Lu, Y.-Z., et al. "Research progress of pharmacological active substances from diazotrophic cyanobacteria", *Chinese Traditional and Herbal Drugs* Volume 49.18, (2018): 4453-4460.
663. Maruthanayagam, V., et al. "Effects of surface material on growth pattern and bioactive exopolymers production of intertidal cyanobacteria *Phormidium* sp." *Indian Journal of Geo-Marine Sciences* 49(10), (2020), 1669-1677.
664. Mudimu, O. N. Rybalka, T. Bauersachs, et al. Biotechnological screening of microalgal and cyanobacterial strains for biogas production and antibacterial and antifungal effects. *Metabolites*, 2014, 4, 2, 373-393.
664. Ördög, Vince. Mikroalgák biotechnológiai alkalmazása a növénytermesztésben és

növényvédelemben. Diss. Nyugat-magyarországi Egyetem, 2015.

665.Veerabadhran, M., et al. "Effects of flask configuration on biofilm growth and metabolites of intertidal Cyanobacteria isolated from a mangrove forest." *Journal of applied microbiology* 125.1 (2018): 190-202.

38). Vesselinova A., Najdenski H., Nikolova S., Wesselinova D.. Arthritis after Experimental Infection with *Yersinia enterocolitica* 0:3 in Rabbits. *Journal of Veterinary Medicine, Series B*, 48, Wiley-Blackwell Publishing Ltd, 2001, DOI:<https://doi.org/10.1111/j.1439-0450.2001.00422.x>, 43-53

666.Liu, Dongyou, ed. *Laboratory models for foodborne infections*. CRC Press, 2017.

667.Wang, Xin, et al. "Yersinia." *Laboratory Models for Foodborne Infections*. CRC Press, 2017. 427-437.

668.Sonne, Luciana, et al. "Systemic infection by *Yersinia enterocolitica* in chinchillas (*Chinchilla laniger*)." *Pesquisa Veterinária Brasileira* 32.5 (2012): 379-382.

669.Dalal, Mohammad Mehdi Soltan, Mohammad Tagi Akhi, and Ali Reza Parto Azar. "Study of *Yersinia enterocolitica* in Acute Children Diarrhea under Fourteen Years Old." *Medical Journal of Tabriz University of Medical Sciences and Health Services* 30.4 (2009): 49-52.

670.Голкочева, Е. Мембранно свързаните протеини- фактор на специфичност в серологични изследвания при йерсиниозата. Дисертация за присъждане на образователната и научна степен "доктор". София, 2003

39). Veljanov, D., A. Vesselinova, S. Nikolova, V. Kussovski, H. NAJDENSKI. Experimental infection with *Yersinia pseudotuberculosis* of ground squirrels (*Citellus Citellus*). *J. Vet. Med. B* 40, 1993, 589-596.

671.Голкочева, Е. Мембранно свързаните протеини- фактор на специфичност в серологични изследвания при йерсиниозата. Дисертация за присъждане на образователната и научна степен "доктор". София, 2003.

672.Шурыгина, И. А., et al. "Псевдотуберкулез." (2003): 320-320.

673.Шурыгина, Ирина Александровна. Патогенетические механизмы формирования псевдотуберкулеза, вызванного возбудителями с различным плазмидным спектром (экспериментально-клиническое исследование). Diss. Восточно-Сибирский научный центр СО РАМН, 2004.

40). Golkocheva-Markova E, Christova I, Stoilov R, NAJDENSKI H. Cross-reaction between *Yersinia* outer membrane proteins and anti-*Borrelia* antibodies in sera of patients with Lyme disease. *Clin Microbiol Infect* 2008; 14:873– 875.

674.Silva, Ângelo Antônio Oliveira, et al. "Performance of *Treponema pallidum* recombinant proteins in the serological diagnosis of syphilis." *PloS one* 15.6 (2020): e0234043.

675.Durántez Fernández, Carlos. "Desarrollo y utilidad de las técnicas de ELISA y quimioluminiscencia para el diagnóstico de la tularemia humana." (2019).

676.СИМАКОВА, ДИ. КОНСТРУИРОВАНИЕ ВИДОСПЕЦИФИЧЕСКОГО АНТИГЕННОГО ПОЛИМЕРНОГО ПРЕПАРАТА ДЛЯ СЕРОЛОГИЧЕСКОЙ ДИАГНОСТИКИ ПСЕВДОТУБЕРКУЛЕЗА. Diss. Ростовский-на-Дону научно-исследовательский противочумный институт Роспотребнадзора, 2019.

677.Wielkoszynski, Tomasz, et al. "Novel diagnostic ELISA test for discrimination between infections with *Yersinia enterocolitica* and *Yersinia pseudotuberculosis*." *European Journal of Clinical Microbiology & Infectious Diseases* 37.12 (2018): 2301-2306

678.Ringwood, Tamara. *Epidemiology and comparative analysis of Yersinia in Ireland*. Diss. University

College Cork, 2013.

679. Ringwood, T., et al. "Current evidence for human yersiniosis in Ireland." *European journal of clinical microbiology & infectious diseases* 31.11 (2012): 2969-2981.
680. Carter, John D. "Bacterial agents in spondyloarthritis: a destiny from diversity?." *Best Practice & Research Clinical Rheumatology* 24.5 (2010): 701-714.
681. Barbour, V., J. Clark, L. Peiperl, E. Veitch. *Tropical and travel-associated diseases*. Med Hyg, 2008, 8, 533.
682. Паунова-Кръстева, Ц.С. Фенотипни вариации свързани с полизахаридните антигени при *Escherichia coli* O157. Дисертация за присъждане на образователната и научна степен „доктор”. София 2015

41). Nikolova, S., NAJDENSKI, H., Wesselinova, D., Vesselinova, A., Kazatchka, D., Neikov, P. Immunologic and electronmicroscopic studies on *Yersinia enterocolitica* O:3 infected pigs. *Zbl. Bact.*, 1997, 286, 503-510.

683. Carniel, E., I Autenrieth, G. Cornelis, H. Fukuchima, et al. *Y. enterocolitica* and *Y. pseudotuberculosis*. In: *Prokaryotes*, Springer, 2006, 270-398.
684. Голкочева, Е. Мембраносвързаните протеини – фактор на специфичност в серологични изследвания при йерсиниозата. Дисертация за присъждане на образователната и научна степен “доктор”. София, 2003.
685. Brüggmann, M., M. Peters, and J. Mumme. "Case report: *Yersinia enterocolitica* septicemia in an American minipig." *DTW. Deutsche Tierärztliche Wochenschrift* 108.6 (2001): 257-260.
686. Perry, M., A. Whyte. *Immunology of the tonsils*. *Immunol. Today*, 1998, 9, 414-421.
687. Бениова, Светлана Николаевна. Органни поражения у детей, больных псевдотуберкулезом, в динамике болезни: клиника, диагностика, патогенез, исходы. Diss. Дальневосточный государственный медицинский университет, 2003.
688. Железникова, Галина Федоровна, et al. "Иммунный ответ при остром псевдотуберкулезе у детей." *Медицинская иммунология* 4.1 (2002).

42). Scheufele, FB, Hinterholz, CL, Zaharieva, MM, Najdenski, H, Módenes, AN, Trigueros, DEG, Borba, C, Espinoza-Quiñones, FR, Kroumov, AD. Complex mathematical analysis of photobioreactor system. *Engineering in Life Sciences*, John Wiley & Sons Ltd., 2019, ISSN:1618-2863, DOI:10.1002/elsc.201800044, 1-14. SJR (Scopus):0.56, JCR-IF (Web of Science):1.934

689. Gonçalves, Vanessa Daneluz, et al. "Combination of Light Emitting Diodes (LEDs) for photostimulation of carotenoids and chlorophylls synthesis in *Tetradismus* sp." *Algal Research* 43 (2019): 101649.
690. Karam, Amanda L., et al. "Chlorophyll a and non-pigmented biomass are sufficient predictors for estimating light attenuation during cultivation of *Dunaliella viridis*." *Algal Research* 55 (2021): 102283.
691. Nastiti, Kania Dyah, and Arif Rahman. "Multiobjective optimization of synechocytis culture in flat-plate photobioreactor toward optimal growth and exergy." *Journal of Physics: Conference Series*. Vol. 1858. No. 1. IOP Publishing, 2021.
692. Schediwy, Kira, et al. "Microalgal kinetics—a guideline for photobioreactor design and process development." *Engineering in Life Sciences* (2019).
693. Vasile, Nicolò S., et al. "Computational analysis of dynamic light exposure of unicellular algal cells in a flat-panel photobioreactor to support light-induced CO₂ bioprocess development." *Frontiers in microbiology* 12 (2021).

43). Tokarevich, NK, Panferova, YA, Freylikhman, OA, Blinova, OV, Medvedev, SG, Mironov, SV,

Grigoryeva, LA, Tretyakov, KA, Dimova, T, Zaharieva, MM, Nikolov, B, Zehtindjiev, P, Najdenski, H. Coxiella burnetii in ticks and wild birds. Ticks and Tick-borne Diseases, 10, 2, Elsevier, 2019, ISSN:1877959X, DOI:10.1016/j.ttbdis.2018.11.020, 377-385. SJR (Scopus):1.182, JCR-IF (Web of Science):2.749

- 694.Borawski, Karol, et al. "Coxiella burnetii and Q fever-a review." *Przegląd Epidemiologiczny* (2020): 43.
- 695.Devaux, Christian A., et al. "Coxiella burnetii in dromedary camels (*Camelus dromedarius*): a possible threat for humans and livestock in North Africa and the Near and Middle East?." *Frontiers in Veterinary Science* 7 (2020).
- 696.Körner, Sophia, et al. "The Prevalence of *Coxiella burnetii* in Hard Ticks in Europe and Their Role in Q Fever Transmission Revisited—A Systematic Review." *Frontiers in veterinary science* 8 (2021).
- 697.Ouarti, Basma, et al. "Molecular detection of microorganisms in lice collected from farm animals in Northeastern Algeria." *Comparative Immunology, Microbiology and Infectious Diseases* 74 (2020): 101569-101569.
- 698.Wilhelmsson, Peter, et al. "Migratory birds as disseminators of ticks and the tick-borne pathogens *Borrelia* bacteria and tick-borne encephalitis (TBE) virus: a seasonal study at Ottenby Bird Observatory in South-eastern Sweden." *Parasites & vectors* 13.1 (2020): 1-17.
- 699.Григорьева, Л. А., et al. "Многолетний мониторинг численности опасных для человека иксодовых клещей *Ixodes persulcatus* и *I. Ricinus* (Acari: ixodinae) на территории Санкт-Петербурга и Ленинградской области." *Паразитология* 54.1 (2020): 13-24.

44). Zaharieva, MM, Kroumov, AD, Dimitrova, L, Tsvetkova, I, Trochopoulos, A, Konstantinov, SM, Berger, MR, Momchilova, M, Yoncheva, K, Najdenski, HM. Micellar curcumin improves the antibacterial activity of the alkylphosphocholines erufosine and miltefosine against pathogenic *Staphylococcus aureus* strains. Biotechnology & Biotechnological Equipment, 33, 1, Fransis & Taylor, 2019, ISSN:1310-2818, DOI:10.1080/13102818.2018.1533792, 38-53. SJR (Scopus):0.38, JCR-IF (Web of Science):1.186

- 700.Alavi, Mehran, and Mahendra Rai. "Antibacterial and wound healing activities of micro/nanocarriers based on carboxymethyl and quaternized chitosan derivatives." *Biopolymer-Based Nano Films*. Elsevier, 2021. 191-201.
- 701.Karthikeyan, Adhimoolam, Natesan Senthil, and Taesun Min. "Nanocurcumin: A Promising Candidate for Therapeutic Applications." *Frontiers in Pharmacology* 11 (2020).
- 702.Mukherjee, Sitabja, et al. "Nano Curcumin: Making it useful for Human Therapy." (2020).
- 703.Pourhajibagher, Maryam, et al. "Sonodynamic excitation of nanomicelle curcumin for eradication of *Streptococcus mutans* under sonodynamic antimicrobial chemotherapy: Enhanced anti-caries activity of nanomicelle curcumin." *Photodiagnosis and Photodynamic Therapy* (2020): 101780.
- 704.Prajapati, Shiv Kumar, et al. "Antimicrobial Application Potential of Phytoconstituents from Turmeric and Garlic." *Bioactive Natural Products for Pharmaceutical Applications*. Springer, Cham 409-435
- 705.Sankhwar, Ruchi, et al. "Application of nano-curcumin as a natural antimicrobial agent against Gram-positive pathogens." *Journal of Applied and Natural Science* 13.1 (2021): 110-126.
- 706.Lawson, Becki, and Dick Best. "Passerines and other small birds." *BSAVA manual of wildlife casualties*. BSAVA Library, 2016. 421-438.
- 707.Torrontegi, Olalla, et al. "Naturally Avian Influenza Virus–Infected Wild Birds Are More Likely to Test Positive for *Mycobacterium* spp. and *Salmonella* spp." *Avian diseases* 63.1 (2018): 131-137.

- 708.Tsokana, Constantina N., et al. "European Brown hare (*Lepus europaeus*) as a source of emerging and re-emerging pathogens of Public Health importance: A review." *0 Veterinary Medicine and Science* 6(3), (2020), 550-564.
- 709.Varga, Molly. "Deer." *BSAVA Manual of Wildlife Casualties*. BSAVA Library, 2016. 275-298.
- 710.Гончарук, М., et al. "Анализ рисков развития заболеваний для программы реинтродукции амурских (дальневосточных) леопардов (*Panthera pardus orientalis*)."

45). Najdenski H., Golkocheva E., Kussovski V., Vesselinova A., Garbom S., Walf-Watz H.. Attenuation and Preserved Immunogenic Potential of *Yersinia pseudotuberculosis* Mutant Strains Evidenced in Oral Pig Model. *Zoonoses & Public Health*, 56, 4, Wiley-Blackwell Publishing Ltd, 2009, ISSN:18631959, 18632378, DOI:10.1111/j.1863-2378.2008.01153.x, 157-168. JCR-IF (Web of Science):1.906

- 711.Jiménez Velásquez, Sabrina del Carmen. "Identificación de proteínas de secreción con capacidad inmunogénica de aislamientos de *Yersinia pseudotuberculosis* provenientes de planteles cuyícolas del departamento de Nariño." (2011).
- 712.Martínez, P.O. Prevalence of enteropathogenic *Yersinia* in pigs from different European countries and contamination in the pork, Academic Dissertation, Faculty of Veterinary Medicine, University of Helsinki, 2010.
- 713.Moura, Cesar AA, et al. "Evidence of improved reporting of swine vaccination trials in the post-REFLECT statement publication period." *Journal of Swine Health and Production* 27.5 (2019): 265.
- 714.Булгакова, Н. Ф. "757.[Оценка степени аттенуации и сохранения иммуногенности мутантных штаммов *Yersinia pseudotuberculosis* при экспериментальном пероральном введении поросятам.(Болгария. Швеция)]. Najdenski H., Golkocheva-Markova E., Kussovski V., Vesselinova A., Garbom S., Wolf-Watz H. Attenuation and Preserved Immunogenic Potential of *Yersinia pseudotuberculosis* Mutant Strains Evidenced in Oral Pig Model//*Zoonoses & Public Health*.-2009.-Vol. 56, N 4.-P. 157-168.-Англ. Шифр* EBSCO." *Ветеринария. Реферативный журнал* 3 (2011): 757-757.
- 715.Jiménez Velásquez, Sabrina del Carmen. "Identificación de proteínas de secreción con capacidad inmunogénica de aislamientos de *Yersinia pseudotuberculosis* provenientes de planteles cuyícolas del departamento de Nariño." (2011).

46). Najdenski H., Golkocheva E., Vesselinova A., Rüßmann, H.. Comparison of the course of infection of virulent *Yersinia enterocolitica* serotype O:8 with an isogenic *sodA* mutant in the peroral rabbit model. *International Journal of Medical Microbiology*, 6, Urban und Fischer Verlag GmbH und Co. KG, 2004, ISSN:14384221, 16180607, 383-393. JCR-IF (Web of Science):2.611

- 716.Bai, G., Pata, J., McDonough, K.A., Golubov, A., Smith, E. Differential gene regulation in *Yersinia pestis* versus *Yersinia pseudotuberculosis*: Effects of hypoxia and potential role of a plasmid regulator (2007) *Advances in Experimental Medicine and Biology*, 603, pp. 131-144.
- 717.Champion, O.L., Karlyshev, A., Cooper, I.A.M., Ford, D.C., Wren, B.W., Duffield, M., Oyston, P.C.F., Titball, R.W. *Yersinia pseudotuberculosis* *mntH* functions in intracellular manganese accumulation, which is essential for virulence and survival in cells expressing functional *Nramp1*. *Microbiology*, 2011, 4, 1115-1122.
- 718.Papp-Wallace, K.M., A.S. Moomaw, , M.E. Maguire. Manganese: uptake, biological function, and role of virulence. 236-256. In: *Molecular microbiology of heavy metals*, (D.H. Nies, S.Silver, eds.), Springer, 2007.
- 719.Papp-Wallace, K.M., Maguire, M.E. Manganese transport and the role of manganese in virulence (2006) *Annual Review of Microbiology*, 60, pp. 187-209.

720.Wang, Xin, et al. "Yersinia." Laboratory Models for Foodborne Infections. CRC Press, 2017. 427-437.

47). Stoykova B., Chochkova M., Ivanova G., Markova N., Enchev V., Tsvetkova I., Najdenski H., Štícha M., Milkova T.. Ultrasound-assisted green bromination of N-cinnamoyl amino acid amides–Structural characterization and antimicrobial evaluation. 1135, Journal of Molecular Structure, 2017, DOI:<https://doi.org/10.1016/j.molstruc.2017.01.056>, 144-152. ISI IF:1.753

721.BĂRBĂLAN, G., et al. "THE EFFECT OF SOME PHYSICAL-CHEMICAL FACTORS ON YERSINIA ENTEROCOLITICA STRAINS." LUCRĂRI ȘTIINȚIFICE: 5.

722.Cumpănășoiu, C., C.E. Cumpănășoiu, R. Trif, et al. Behavior of some strains of Yersinia enterocolitica at freezing and salt. Lucrări Științifice Medicină Veterinară, XLIII (1), 2009, 224-229.

723.Ghada, M. Mohamed, M. Ebraheem Lubna, and M. A. M. Ammar. "Effect of freezing and microwave cooking on survival of Yersinia enterocolitica isolated from uncooked kofta with special reference to its virulence genes."

48). Iliev, M., Najdenski, H. Monitoring of plasmid dissociation and pathogenic potential among Yersinia enterocolitica and Yersinia pseudotuberculosis during storage of refrigerated pork meat. 58, 4, Annals of Microbiology, 2008, 623-632. JCR-IF (Web of Science):0.5

724.Jitareanu, Alexandra, et al. "Bromination-A versatile tool for drugs optimization." The Medical-Surgical Journal 122.3 (2018): 614-626.

725.Li, Chenyang, et al. "Isolate Specific Cold Response of Yersinia enterocolitica in Transcriptional, Proteomic, and Membrane Physiological Changes." Frontiers in microbiology 10 (2020): 3037.

726.Sabuzi, Federica, et al. "Sustainable bromination of organic compounds: A critical review." Coordination Chemistry Reviews 385 (2019): 100-136.

727.Stoykova, Boyka, et al. "Anti-influenza drug derivatives with potential biological activity." of the PhD Student Scientific Session of the FMNS–2016: 6.

728.Zadernowska, A., Chajęcka-Wierzchowska, W., & Łaniewska-Trokenheim, Ł. Yersinia enterocolitica: a dangerous, but often ignored, foodborne pathogen. Food Rev.Intern., 2014, 30(1), 53-70.

49). Konakchiev A., Mikhova B., Todorova M., Najdenski H., Tsvetkova I., Vitkova A., Duddeck H.. Composition of the Essential Oil of Achillea Asplenifolia Vent. from Bulgaria. Journal of Essential Oil Bearing Plants, 8, 3, Taylor and Francis Ltd., 2005, ISSN:0972060X, 318-323. JCR-IF (Web of Science):0.27

729.Kindlovits, S., and É. Németh. "Sources of variability of yarrow (Achillea SPP.) essential oil." Acta alimentaria 41.Supplement-1 (2012): 92-103.

730.Öğretmen, Neval Gül. Civanperçemi (Achillea asplenifolia ve Achillea collina) popülasyonlarının verim ve bazı kalite özellikleri üzerine farklı kültürel uygulamaların etkisi. MS thesis. Adnan Menderes Üniversitesi, Fen Bilimleri Enstitüsü, 2014.

50). Ivanova, V., Graefe, U., Schlegel, B., Kolarova, M., Aleksieva, K., Najdenski, H., Tsvetkova, I., Chipeva, V.. Usnic acid, metabolite from Neuropogon sp., an antarctic lichen isolation, structure elucidation and biological activity.. Biotechnology and Biotechnological Equipment, 18, 1, 2004, ISSN:1310-2818, 66-71. ISI IF:0.622

731.Galanty, Agnieszka, Paweł Paśko, and Irma Podolak. "Enantioselective activity of usnic acid: a comprehensive review and future perspectives." Phytochemistry Reviews 18.2 (2019): 527-548.

732.Kosanić, M., & Ranković, B. (2015). Lichen secondary metabolites as potential antibiotic agents. In

Lichen Secondary Metabolites (pp. 81-104). Springer International Publishing.

733. Luzina, O. A., and N. F. Salakhutdinov. "Biological activity of usnic acid and its derivatives: Part 1. Activity against unicellular organisms." *Russian Journal of Bioorganic Chemistry* 42.2 (2016): 115-132.

734. Лузина, О. А., and Н. Ф. Салахутдинов. "Биологическая активность усниновой кислоты и ее производных. Часть 2. Действие усниновой кислоты и ее производных на высшие организмы, молекулярные и физико-химические аспекты биологической активности (обзорная статья)." *Биоорганическая химия* 42.3 (2016): 276-276.

51). Raducheva, T., J. Kurteva, N. Markova, D. Veljanov, H. Najdenski. Behavior of Salmonella dublin in mice and rats upon intraperitoneal infection.. Zbl. Bact., 280, 1994, 520-525. JCR-IF (Web of Science):0.729

735. AYDIN, Merve, Derya ARSLAN DANACIOĞLU, and Selman TÜRKER. "PROPOLİSİN GENEL ÖZELLİKLERİ VE KULLANIMI." *Gıda* 46.1: 69-81.

736. dos Santos, Cíntia Maria, et al. "Red propolis as a source of antimicrobial phytochemicals: extraction using high-performance alternative solvents." *Frontiers in Microbiology* 12 (2021): 1166.

737. Farooq, Muhammad Qamar, Nabeel Mujtaba Abbasi, and Jared L. Anderson. "Deep eutectic solvents in separations: Methods of preparation, polarity, and applications in extractions and capillary electrochromatography." *Journal of Chromatography A* 1633 (2020): 461613.

738. Fedorka-Cray, Paula J., et al. "Alternate routes of invasion may affect pathogenesis of Salmonella typhimurium in swine." *Infection and immunity* 63.7 (1995): 2658.

739. Havelaar, A. H., et al. "A rat model for dose-response relationships of Salmonella Enteritidis infection." *Journal of Applied microbiology* 91.3 (2001): 442-452.

740. Naughton, P. J., and G. Grant. "Modelling of salmonellosis." *Biology of Growing Animals*. Vol. 2. Elsevier, 2005. 235-257.

741. Naughton, P. J., et al. "A rat model of infection by Salmonella typhimurium or Salm. enteritidis." *Journal of applied bacteriology* 81.6 (1996): 651-656.

742. Naughton, Patrick J., et al. "Salmonella typhimurium and Salmonella enteritidis induce gut growth and increase the polyamine content of the rat small intestine in vivo." *FEMS Immunology & Medical Microbiology* 12.3-4 (1995): 251-257.

52). Zaharieva, MM, Genova-Kalou, P, Dincheva, I, Badjakov, I, Krumova, S, Enchev, V, Najdenski, H, Markova, N. Anti-Herpes Simplex virus and antibacterial activities of Graptopetalum paraguayense E. Walther leaf extract: a pilot study. Biotechnology & Biotechnological Equipment, 33, 1, Taylor&Francis, 2019, ISSN:1310-2818, DOI:10.1080/13102818.2019.1656108, 1251-1259. SJR (Scopus):0.38, JCR-IF (Web of Science):1.186

743. Garber, Anna, Lianna Barnard, and Chris Pickrell. "Review of Whole Plant Extracts With Activity Against Herpes Simplex Viruses In Vitro and In Vivo." *Journal of Evidence-Based Integrative Medicine* 26 (2021): 2515690X20978394.

744. Mohan, Syam, et al. "Bioactive natural antivirals: An updated review of the available plants and isolated molecules." *Molecules* 25.21 (2020): 4878.

745. Sitarek, Przemysław, et al. "Potential synergistic action of bioactive compounds from plant extracts against skin infecting microorganisms." *International Journal of Molecular Sciences* 21.14 (2020): 5105.

53). Konakchiev, A., M. Todorova, B. Mikhova, A. Vitkova, H. Najdenski, H. Duddeck. Chemical composition and antimicrobial activity of the essential oil from two Achillea collina Becker.. Compt. Rend. Acad. Bulg. Sci, 59, 5, BAS, 2006, ISSN:1310-1331 (Print), 505-510. SJR (Scopus):0.22

746. Abad, M.J., L.M. Bedoya and P. Bermejo. Essential Oils from the Asteraceae Family Active against Multidrug-Resistant Bacteria. In: *Fighting Multidrug Resistance with Herbal Extracts, Essential Oils and their Components*. Elsevier Inc., 2013, pp. 205-221.
747. Andrushko, N., & Andrushko, V. Asymmetric hydrogenation of C=O and C=N Bonds in stereoselective synthesis. *Stereoselective synthesis of drugs and natural products*, John Wiley & Sons, Inc. 2013, DOI: 10.1002/9781118596784.ssd030
748. Abad, M.J., Bedoya, L.M., Luis Apaza, L, et al. The *Artemisia* L. genus: a review of bioactive essential oils. *Molecules*, 2012, 17 (3), 2542-2566.
749. Benedec, D., Vlase, L., Oniga, I., et al. Polyphenolic composition, antioxidant and antibacterial activities for two Romanian subspecies of *Achillea distans* Waldst. et Kit. ex Willd. *Molecules*, 8, 18, 2013 , 8725-8739.
750. Enna, S. J., & Norton, S. *Herbal supplements and the brain: understanding their health benefits and hazards*. FT Press, Pearson Education, Inc. 2012. ISBN-10:0-13-282497-3
751. Hussin, W.A., & El-Sayed, W.M. Synergic interactions between selected botanical extracts and tetracycline against Gram positive and Gram negative bacteria. *J. Biol. Sci.*, 2011, 11, 7, 433-441.
752. Issabeagloo, E., & Taghizadieh, M. Inhibitory Effect of *Ziziphus zizyphus* L. Extract on *Staphylococcus* Genera. *Adv. Biores.*, 2012, 3(3).
753. Issabeagloo, E., & Abri, B. Antimicrobial effects of yarrow (*Achillea millefolium*) essential oils against *Staphylococcus* species. *African J. Pharm. Pharmacol.*, 2012, 6(41), 2895-2899.
754. Jemia, MB., Rouis, Z., Maggio, A., et al. Chemical composition and free radical scavenging activity of the essential oil of *achillea ligustica* growing wild in lipari (aeolian islands, sicily). *Nat. Prod. Communicat.*, 11, 8, 2013, 1629-1632.
755. Schlecker, A. *Metall-katalysierte Enin-Zyklisierungen*. Max– Planck-Institut für Kohlenforschung in Mülheim an der Ruhr, Universität Dortmund, 2008.
756. Chizzola, Remigius. "Volatile Compounds in the Aerial Parts of *Achillea collina* Collected in the Urban Area of Vienna (Austria)." *Natural Product Communications* 12.12 (2017): 1934578X1701201230.

54). Zaharieva, M. M., Trochopoulos, A., Dimitrova, L., Berger, M. R., Najdenski, H., Konstantinov, S., Kroumov, A. D.. New Insights in Routine Procedure for Mathematical Evaluation of in vitro Cytotoxicity Data from Cancer Cell Lines. 22, 2, International Journal Bioautomation, 2018, DOI:10.7546/ijba.2018.22.2.87-106, 87-106. SJR (Scopus):0.231

757. Uota, Sisay Tesema. *Microalgae as a new source of neuroprotective compounds*. Diss. 2020.

55). Najdenski H., Vesselinova A., Golkocheva E., Garbom S., Wolf-Watz H.. Characterization of Infections with Wild and Mutant *Yersinia pseudotuberculosis* Strains in Rabbit Oral Model. The Genus *Yersinia*, 2003, ISBN:978-0-306-48416-2, ISSN:0065-2598, DOI:10.1007/b100541, 117-120

758. Ковширина Юлия Викторовна. Клинические и иммунопатологические особенности псевдотуберкулеза у детей (2008) диссертация кандидат медицинских наук. Новосибирск, с.206.

759. Разгулин С.А. Научное обоснование нового подхода к профилактике кишечных антропонозов у военнослужащих в эндемичных районах (2006) диссертация доктор медицинских наук, Пермь, с.265

56). Najdenski H., Kussovski V., Michailov Y., Vesselinova A.. Protective effect of Oxadin on experimental *Yersinia enterocolitica* infection in rats.. Die Pharmazie, 57, 2002, 337-339

760. Schmidt, Elena Yu, et al. "Acetylene-based two-step diastereoselective synthesis of bridgehead

- dihydro-oxadiazines using ketones and hydrazine as the only reactants." *Chemical Communications* 55.18 (2019): 2632-2635.
- 761.Cao, Xiufang, and Shaoyong Ke. "Updated Report on Synthesis and Biological Properties of Oxadiazine-Based Heterocyclic Derivatives." *Recent Advances in Medicinal Chemistry* 2 (2015): 107.
- 762.Ke, S. X. Cao, Y. Liang, K. Wang, Z. Yang.Synthesis and biological properties of dihydro-oxadiazine-based heterocyclic derivatives. *Mini Rev Med Chem*. 2011, 11 (8):642-57.
- 57). Le Guern, A.-S., C. Savin, H. Angermeier, S. Brémont, D. Clermont, E. Mühle, P. Orozova, H. Najdenski, J. Pizarro-Cerdá. *Yersinia artesiana* sp. nov., *Yersinia proxima* sp. nov., *Yersinia alsatica* sp. nov., *Yersinia vastinensis* sp. nov., *Yersinia thracica* sp. nov. and *Yersinia occitanica* sp. nov., isolated from humans and animals.. *Int. J. Syst. Evolut. Microbiol.*, 7, 10, 2020, ISSN:1466-5026, DOI:10.1099/ijsem.0.004417, 1-10. SJR (Scopus):1.02**
- 763.Nguyen, Scott Van, et al. "Yersinia occitanica is a later heterotypic synonym of Yersinia kristensenii subsp. rochesterensis and elevation of Yersinia kristensenii subsp. rochesterensis to species status." *International Journal of Systematic and Evolutionary Microbiology* (2021): 004626.
- 764.Chen, Gang, et al. "Obtaining Specific Sequence Tags for Yersinia pestis and Visually Detecting Them Using the CRISPR-Cas12a System." *Pathogens* 10.5 (2021): 562.
- 58). Popova, MP, Trusheva, B.S., Nedialkov, P.T., Tsvetkova, I., Pardo-Mora, D.P., Najdenski, H., Torres-García, O.A., Sforcin, J.M., Bankova, V.S. New Δ -tocotrienol derivatives from Colombian propolis. *Natural Product Research*, 34, 19, Taylor and Francis Ltd., 2020, ISSN:14786427, 14786419, 2779-2786. SJR (Scopus):0.46, JCR-IF (Web of Science):2.158**
- 765.Tran, Trong D., et al. "Lessons from exploring chemical space and chemical diversity of propolis components." *International journal of molecular sciences* 21.14 (2020): 4988.
- 59). Gigova L., G. Gacheva, R. Toshkova, E. Gardeva, N. Ivanova, I. Iliev, V. Kusssovski, H. Najdenski. Effects of temperature on *Synechocystis* sp. R10 (Cyanoprocarvota) at two irradiance levels.. *Genetics and Plant Physiology*, 2, 1-2, BAS, 2012, ISSN:1314-6394 (Print), 38-49**
- 766.Montalvão, Sofia, et al. "Large-scale bioprospecting of cyanobacteria, micro-and macroalgae from the Aegean Sea." *New biotechnology* 33.3 (2016): 399-406.
- 60). Iliev, M., H. Najdenski, A. Stals, H. Werbrouck, L. Herman, E. van Coille. Optimization of Real-Time PCR protocol for detection of pathogenic *Yersinia enterocolitica* strains.. *Bulg. J. Vet. Med.*, 11, 3, 2008, 179-184. JCR-IF (Web of Science):0.28**
- 767.Mangal, Manisha, et al. "Molecular detection of foodborne pathogens: A rapid and accurate answer to food safety." *Critical reviews in food science and nutrition* 56.9 (2016): 1568-1584.
- 768.Abbas, Kadhim H. "Rapid detection of *Yersinia enterocolitica* by using Real-Time PCR technique in some types of foods in Al-Qadisiyah province." *Al-Qadisiyah Journal of Veterinary Medicine Sciences* 14.1 (2015): 34-38.
- 61). Najdenski H., Nikolova S., Wesselinova D., Kazatchka D., Vesseunova A.. Experimental Mixed Infection With *Yersinia Enterocolitica* and *Listeria Monocytogenes* in Guinea Pigs. 45, 1-10, Wiley-Blackwell Publishing Ltd, 1998, ISSN:0931-1793, DOI:10.1111/j.1439-0450.1998.tb00834.x, 611-620. JCR-IF (Web of Science):0.573**
- 769.Бакулов, Игорь Алексеевич, et al. "Листерии и листериоз." (2016).
- 62). Toshkova, R., E. Ivanova, H. Najdenski, J. Gumpert. Antitumour immunization of hamsters by**

allogenic myeloid tumour cells.. Compt. rend. Acad. bulg. Sci., 50, 9-10, BAS, 1997, ISSN:1310-1331 (Print), 71-74

770.Allan, E. J., C. Hoischen, and J. Gumpert. "Bacterial L-forms." *Advances in applied microbiology* 68 (2009): 1-39.

63). Mileva M, Ilieva Y, Jovtchev G, Gateva S, Zaharieva, MM, Georgieva A, Dimitrova L, Dobрева A, Angelova Ts, Vilhelmova-Ilieva N, Valcheva V, Najdenski H. Rose flowers—A Delicate Perfume or a Natural Healer?. *Biomolecules*, 11, 1, MDPI, 2021, ISSN:2218-273X, DOI:<https://doi.org/10.3390/biom11010127>, 127-159. SJR (Scopus):1.614, JCR-IF (Web of Science):4.694

771.Slaga, T.J. and Snyder, P.W., Safety Assessment of Rosa centifolia-derived Ingredients as Used in Cosmetics.

64). Grozdanova, T., Trusheva, B., Alipieva, K., Popova, M., Dimitrova, L., Najdenski, H., Zaharieva, M. M., Ilieva, Y., Vasileva, B., Miloshev, G., Georgieva, M., Bankova, V.. Extracts of medicinal plants with natural deep eutectic solvents: enhanced antimicrobial activity and low genotoxicity. *BMC Chemistry*, 14, 73, Springer Nature, 2020, ISSN:2661-801X, DOI:10.1186/s13065-020-00726-x, 1-9. SJR (Scopus):0.426, JCR-IF (Web of Science):2.493

772.Torres-Vega, Jeniffer, et al. "Polyphenolic Compounds Extracted and Purified from *Buddleja Globosa* Hope (Buddlejaceae) Leaves Using Natural Deep Eutectic Solvents and Centrifugal Partition Chromatography." *Molecules* 26.8 (2021): 2192.

65). Valcheva V., Savova-Lalkovska T., Vyazovaya A., Dimitrova A., Bonovska M., Najdenski H.. First insight into phylogeography of *Mycobacterium bovis* and *M.caprae* from cattle in Bulgaria., *Infection, Genetics and Evolution*, 81, Elsevier, 2020, ISSN:1567-1348, DOI:10.1016/j.meegid.2020.104240, JCR-IF (Web of Science):2.611

773.Zhang, S., Chen, C., Rao, Z., Yang, A., Guo, L., Hou, W., Zhang, L., Yang, X., Liu, Y. and Wu, Y., 2020. Survey of human and bovine tuberculosis infection on dairy farms in southwestern China.

66). Gevrenova, R, Zaharieva, MM, Kroumov, AD, Voutquenne-Nazabadioko, L, Zheleva-Dimitrova, D, Balabanova, V, Najdenski, H, Konstantinov, S. Gypsophila saponins enhance the cytotoxicity of etoposide in HD-MY-Z lymphoma cells. *Food and Chemical Toxicology*, 133, Elsevier, 2019, ISSN:0278-6915, DOI:10.1016/j.fct.2019.110777, 110777. SJR (Scopus):0.9, JCR-IF (Web of Science):4.679

774.Tedeschi, Luis O., et al. "Nutritional Aspects of Ecologically Relevant Phytochemicals in Ruminant Production." *Frontiers in Veterinary Science* 8 (2021): 155.

67). Koev K., Donkov N., Stankova N., Najdenski H., Nurgaliev T., Nikov R., Avramov L.. Application of silver antibacterial nanolayers for hard contact lenses coating. *IOP Conference Series: Materials Science and Engineering*, 618, 1, IOP Publishing, 2019, ISSN:1757-8981, DOI:10.1088/1757-899X/618/1/012028, JCR-IF (Web of Science):0.55

775.Willcox, Mark, et al. "CLEAR-Contact lens wettability, cleaning, disinfection and interactions with tears." *Contact Lens and Anterior Eye* 44.2 (2021): 157-191.

68). Mincheva, I, Zaharieva, MM, Batovska, D, Najdenski, H, Ionkova, I, Kozuharova, E. Antibacterial activity of extracts from *Potentilla reptans* L. *Pharmacia*, 66, 1, Meditsinski Universitet - Sofia, 2019, ISSN:0428-0296, DOI:10.3897/pharmacia.66.e35293, 7-11. SJR (Scopus):0.158

776.Özgünseven, Ayşenur, and AYŞENUR ÖZGÜNSEVEN. "Potentilla speciosa Willd. var. speciosa Willd. ve sekonder metabolitlerinin α -glukozidaz ve tirosinaz inhibitör etkilerinin araştırılması." (2021).

69). Magdalena Bonovska, Tanya Savova, Reneta Petrova, Violeta Valcheva, Hristo Najdenski. CASES OF PARATUBERCULOSIS IN DEER IN BULGARIA. COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, 72, 3, BAS, 2019, ISSN:2367–5535, DOI:10.7546/CRABS.2019.03.18, 422-428. JCR-IF (Web of Science):0.321

777.Ekundayo, T. C., & Okoh, A. I. (2020). Systematic Assessment of Mycobacterium avium Subspecies Paratuberculosis Infections from 1911–2019: A Growth Analysis of Association with Human Autoimmune Diseases. Microorganisms, 8(8), 1212.

70). Balabanova, V, Voynikov, Y, Zheleva-Dimitrova, D, Gevrenova, R, Zaharieva, MM, Najdenski, H. Preliminary study on bioactive fractions from sudanese plant solanum schimperianum hochst. Comptes Rendus de L'Academie Bulgare des Sciences, 71, 5, Bulgarian Academy of Sciences, 2018, ISSN:1310-1331, DOI:10.7546/CRABS.2018.05.07, 633-639. SJR (Scopus):0.205, JCR-IF (Web of Science):0.321

778.Li J, Liu D, Tian X, Koseki S, Chen S, Ye X, Ding T. Novel antibacterial modalities against methicillin resistant Staphylococcus aureus derived from plants. Critical reviews in food science and nutrition: 1-9, 2018

71). Poehlein, Anja, Najdenski, Hristo, Simeonova, Dilianna D.. Draft genome sequence of Klebsiella pneumoniae subsp. pneumoniae ATCC 9621. Genome announcements, 5, 12, ASM, 2017, DOI:10.1128/genomeA.01718-16, SJR (Scopus):0.217

779.MITREA, Laura, et al. "Klebsiella pneumoniae—a useful pathogenic strain for biotechnological purposes: 1, 3-propanediol biosynthesis." (2019).

72). Gotova I., Dimitrov Z., Najdenski H.. Selected Lactobacillus bulgaricus and Streptococcus thermophilus Strains from Bulgarian Yogurt Demonstrate Significant Anti-Inflammatory Potential. Acta Microbiologica Bulgarica, 33, 3, Bulgarska Akademiia Na Naukite, 2017, ISSN:0204-8809, 137-142.

780.Petrova, Penka, et al. "Traditional Bulgarian Dairy Products: Ethnic Foods with Health Benefits." Microorganisms 9.3 (2021): 480.

73). Golkocheva-Markova, E., R. Nenova, R. Stoilov, I. Christova, H. Najdenski. Cross-reactivity between Yersinia outer membrane proteins and anti-Francisella and anti-Borrelia antibodies in serodiagnosis of Yersinia-triggered reactive arthritis.. Compt. rend. Acad. bulg. Sci., 64, 1, BAS, 2011, 61-66. JCR-IF (Web of Science):0.206

781.Djoumerska-Alexieva, Iglia, and Tchavdar Vassilev. "Enhanced Binding Polyspecificity of Human IgG after Acid Treatment." Comptes rendus de l'Académie bulgare des Sciences 64.8 (2011).

74). Batovska, D., Todorova, I., Parushev, S., Tsvetkova, I., Najdenski, H., Ubukata, M.. Evaluation of antibacterial activity of synthetic aliphatic and aromatic monoacylglycerols. 57, 3, POLSKIE TOWARZYSTWO MIKROBIOLOGÓW POLISH SOCIETY OF MICROBIOLOGISTS, 2008, 261-265. ISI IF:0.99

782.Chagas, Fernanda Oliveira, et al. "Expanding the Chemical Repertoire of the Endophyte Streptomyces albospinus RLe7 Reveals Amphotericin B as an Inducer of a Fungal Phenotype." Journal of Natural Products (2017).

75). Iliev, M., H. Najdenski. Optimisation of PCR protocol for detection and differentiation of pathogenic serotypes of *Yersinia enterocolitica* in milk.. Compt. rend. Acad. bulg. Sci., 61, 10, BAS, 2008, ISSN:1310-1331 (Print), 1271-1278. SJR (Scopus):0.22

783. Michael Rowe, John Donaghy, Milk, Raw. "Microbiological aspects of dairy ingredients." Dairy ingredients for food processing (2011): 59-101.

76). Yordanov M., Golkocheva E., Najdenski H.. Modulation of complement activity in Vitro and in Vivo by *Yersinia wild* and mutant strains. Folia Microbiologica, 51, Springer Netherlands, 2006, ISSN:00155632, 18749356, 27-32. JCR-IF (Web of Science):1.144

784. Железникова, Г. Ф., and М. К. Бехтерева. "Энтеропатогенные иерсинии и иммунная система хозяина (часть 1)." Российский иммунологический журнал 4.2 (2010): 111-122.

77). Bengoechea J. A., Najdenski H., Skurnik M. Essential role of the lipopolysaccharide O-antigen status of *Yersinia enterocolitica* O:8 in the complex outer membrane regulatory network including outer membrane components. Molecular Microbiology, 52, Wiley-Blackwell Publishing Ltd, 2004, ISSN:0950-382X, 451-469. SJR (Scopus):2.25, JCR-IF (Web of Science):6.108

785. Паунова-Кръстева, Ц.С. Фенотипни вариации свързани с полизахаридните антигени при *Escherichia coli* O157. Дисертация за присъждане на образователната и научна степен „доктор“. София 2015

78). Najdenski H., Vesselinova A.. Experimental mixed infection of rabbits with *Yersinia enterocolitica* and *Listeria monocytogenes*.. Journal of veterinary medicine. B, Infectious diseases and veterinary public health, 49, 2002, ISSN:0931-1793, DOI:10.1046/j.1439-0450.2002.00514.x, 97-104

786. Nikolaou, K., Hensel, A., Bartling, C., Tomaso, H., Arnold, T., Rösler, U., Ganter, M., Petry, T., Neubauer, H. Prevalence of anti-*Yersinia* outer protein antibodies in goats in lower saxony (2005) Journal of Veterinary Medicine Series B: Infectious Diseases and Veterinary Public Health, 52 (1), pp. 17-24.

79). Ivanova, E., Yanchev, I., Najdenski, H., Toshkova, R., Dimitrova, P., Manov, V. Studies on the interactions of immunostimulated macrophages and *Yersinia enterocolitica* O:8. Canadian Journal of Microbiology, 46, 3, NRC Research Press, 2000, ISSN:0008-4166, DOI:10.1139, 218-228. SJR (Scopus):0.667, JCR-IF (Web of Science):1.327

787. Allan EJ, Hoischen C, & Gumpert J.: Bacterial L-forms. Advances in Applied Microbiology, 2009, 68, 1-39. DOI: 10.1016/S0065-2164(09)01201-5.

80). Ivanova, E., R. Toshkova, H. Najdenski, V. Ivanova, M. Kolarova, V. Ivanchev. Effect of *Ulva Lactuca* heteropolysaccharide on the immune response of *Yersinia pseudotuberculosis* infected mice.. Compt. rend. Acad. bulg. Sci., 49, 4, BAS, 1996, ISSN:1310-1331 (Print), 85-89. SJR (Scopus):0.22

788. Siddhanta, A. K., et al. "Water soluble polysaccharides of marine algal species of *Ulva* (Ulvales, Chlorophyta) of Indian waters." (2001).

81). Veljanov D., Vesselinova A., Nikolova S., Markova N., Najdenski H.. Macrophage damage in vitro by *Listeria monocytogenes* and its listeriolysin: morphological and cytochemical criteria. Listeria 1992: 11. International Symposium, Copenhagen (Denmark), 11-14 May 1992, SSI, 1992

789. Карпова, М. Р. Инфекция и гемопоэз. Федеральное государственное автономное образовательное учреждение высшего образования "Национальный исследовательский Томский государственный университет", 1999.

82). Trusheva B., Todorov I., Ninova M., NAJDENSKI H., Daneshmand A., Bankova V. Antibacterial mono- and sesquiterpene esters of benzoic acids from Iranian propolis. Chemistry Central Journal, 2010, 8, 1-4. ISSN: 1752-153X

790. Abubakar, M.B., Abdullah, W.Z., Sulaiman, S.A., & Ang, B.S. Polyphenols as key players for the antileukaemic effects of propolis. Evidence-Based Compl. Altern. Med., 2014, Article ID 371730, 11 pages.
791. Álvarez L.R.G. Determinación del poder antibiótico in vitro del extracto etanólico del propóleo sobre *Staphylococcus aureus* y *Escherichia coli* presentes en metritis puerperal bovina. 2013, Universidad de Cuenca, Ecuador
792. Benhanifia, M., Mohamed, W.M. Phenolics constituents of different types of propolis and their antimicrobial activities Anti-Infective Agents. 2015, 13, 1, 17-27
793. Dahiya, R., & Mourya, R. Synthetic studies on novel nitroquinazolinone analogs with antimicrobial potential. Bull. Pharm. Res, 2013, 3(2), 51-7.
794. Guzman, E.L., Guzman, O.D.L.O., Luis, A.C., et al. Interaction between propoleum extracts and ciprofloxacin and levofloxacin for the in vitro inhibition of methicillin-resistant *Staphylococcus aureus* isolates. African J. Microbiol. Res., 2014, 8(10), 1089-1097
795. Hasan, A. E. Z., Ambarsari, L., Widjaja, W. K., & Prasetyo, R. Potency of Nanopropolis Stinglessbee *Trigona* spp Indonesia as Antibacterial Agent. IOSR J. Pharm. 2014, 4, 12, 01-09
796. Huang, S., Zhang, C. P., Wang, K., Li, G. Q., & Hu, F. L. (2014). Recent Advances in the Chemical Composition of Propolis. Molecules, 19(12), 19610-19632.
797. Huang, Z. C., & Hu, F. Progress of study on the chemical composition of propolis (2008-2012). Nat. Prod. Res. Developm., 2013, 25 (8), 1146-1153.
798. Kuete, V., Wiench, B., Hegazy, M.E.F., et al. Antibacterial activity and cytotoxicity of selected Egyptian medicinal plants. Planta Medica-Natural Products and Medicinal Plant Research, (2012). 78(2), 193.
799. Majdi, M., Liu, Q., Karimzadeh, G., et al. Biosynthesis and localization of parthenolide in glandular trichomes of feverfew (*Tanacetum parthenium* L. Schulz Bip.). Phytochemistry, 2011, 72(14), 1739-1750.
800. Memari, H.R., Pazouki, L., & Niinemets, Ü. (2013). The biochemistry and molecular biology of volatile messengers in trees. In: Biology, controls and models of tree volatile organic compound emissions (pp. 47-93). Springer Netherlands.
801. Miguel, M.G., & Antunes, M.D. Is propolis safe as an alternative medicine?. J. Pharm. & Bioallied Sci., 2011, 3(4), 479.
802. Murase, H., Shimazawa, M., Kakino, M., et al. The effects of Brazilian green propolis against excessive light-induced cell damage in retina and fibroblast cells. Evidence-Based Compl. Altern. Med., 2013. <http://dx.doi.org/10.1155/2013/238279>
803. Paul, S., Emmanuel, T., Matchawe, C., et al. Pentacyclic triterpenes and crude extracts with antimicrobial activity from Cameroonian brown propolis sample. J. Appl. Pharm. Sci., 2014, 4, 7, 1-9.
804. Safari, M., Badban, L., Rashidipour, A. Comparison the protective effects of aqueous extract of Iranian propolis in 6-hydroxydopamine-induced model of parkinsonism in male rat with L-DOPA: A behavioral and histological evaluation, Koomesh, 2014, 15, 4, 584-591
805. Sarker LS., Demissie ZA., Mahmoud SS. Cloning of a sesquiterpene synthase from *Lavandula x intermedia* glandular trichomes. Planta, 5, 238, 2013, 983-989.
806. Sawicka, D., Car, H., Borawska, M.H., & Nikliński, J. The anticancer activity of propolis. Folia Histochem. Cytobiol., 2012, 50(1), 25-37.

- 807.Sorimachi, K., & Nakamoto, T. Alternative medicine safety: Agaricus blazei and propolis. *Combinatorial Chemistry & High Throughput Screen.*, 2011, 14(7), 616-621.
- 808.Usman, U.Z., Mohamed, M. Analysis of phytochemical compounds in water and ethanol extracts of Malaysian propolis (Article) *International Journal of Pharma and Bio Sciences* 2015, 6, P374-P380
- 809.Wang, Z.Q., Huang, C., Huang, J., et al. The stereochemistry of two monoterpenoid diastereomers from *Ferula dissecta*. *RSC Advances*, 2014, 4(28), 14373-14377.
- 810.Zhang, C., & Hu, F. Propolis terpenoids. *Nat. Prod. Res. Developm.*, 2012, 24 (7), 976-984.
- 811.Zhang, C., & Hu, F. Study of propolis (2010) - overview. *Bee Magazines*, 2011, 31 (7), 5-8.
- 812.Zhang, C., Shun, P. H. & Hu, F. Study of the chemical composition of propolis from different geographical and plant origin. *Chinese Pharm. J.*, 2013, 48 (022), 1889-1892.

83). Trusheva, B., M. Popova, H. NAYDENSKI, I. Tsvetkova, J.G. Rodriguez, V. Bankova. New polyisoprenylated benzophenones from Venezuelan propolis. *Fitoterapia*, 75(7-8), 683-689 (2004)

- 813.Abel-Kader, M.S., Hefnawy, M.M., & Al-Majed, A.R.A. Natural phenolic compounds: planar chromatography separation, In: *Encyclopedia of Chromatography*, 3rd Edition, 2011. DOI: 10.1081/E-ECHR3-120043819
- 814.Abe, Masahito, and Masahisa Nakada. "New construction of the bicyclo [3.3. 1] nonane system via Lewis acid promoted regioselective ring-opening reaction of the tricyclo [4.4. 0.05, 7] dec-2-ene derivative." *Tetrahedron letters* 47.36 (2006): 6347-6351.
- 815.Ahangari Z., Naseri M., Vatandoost F. (2018). Propolis: Chemical Composition and Its Applications in Endodontics. *Iran. Endod. J.*, 13 (3), 285-292, 2018.
- 816.Al Marghitas, Liviu, Daniel S. Dezmirean, and Otilia Bobis. "Important developments in Romanian propolis research." *Evidence-Based Complementary and Alternative Medicine* (2013).
- 817.Alday, Efrain, et al. "Advances in pharmacological activities and chemical composition of propolis produced in Americas." *Beekeeping and Bee Conservation—Advances in Research* (2016).
- 818.ARCE CALVARIO, KARLA ROCÍO. "Evaluación in vitro de la actividad antibacteriana de propóleos sonorenses en aislados clínicos de *Staphylococcus aureus* y *Enterococcus* spp." (2011).
- 819.BAGHDAD, Hicham. ETUDE DE LA COMPOSITION CHIMIQUE ET EVALUATION BIOLOGIQUE DE LA PROPOLIS DE PLUSIEURS REGIONS DE TLEMCEEN (ALGERIE. Diss. 13-03-2018.
- 820.Begum, A.B, Khanum, N.F., Ranganatha, V. L., et al. Evaluation of benzophenone-N-ethyl morpholine ethers as antibacterial and antifungal activities. *J. Chem.*, 2014, Article ID 941074, 6 pages.
- 821.Begum, A.B., Khanum, N.F., Naveen, P., et al. Efficacy of 5-(2-aryloxy) aryloxy methyl-2-phenyl-1, 3, 4-oxadiazoles as antibacterial and antifungal agents. *J. Appl. Pharm. Sci.*, 2013, 3(11), 105-109.
- 822.Benhanifia, M., Mohamed, W.M.Phenolics constituents of different types of propolis and their antimicrobial activities *Anti-Infective Agents* 2015, 13, 17-27.
- 823.Boisard, Séverine, et al. "Unusual chemical composition of a Mexican propolis collected in Quintana Roo, Mexico." *Journal of Apicultural Research* 54.4 (2015): 350-357.
- 824.Bruschi, Marcos L., et al. "Nanostructured Propolis as Therapeutic Systems With Antimicrobial Activity." *Nano-and Microscale Drug Delivery Systems*. 2017. 377-391.
- 825.Bruschi, Marcos Luciano. Desenvolvimento e caracterização de sistemas de liberação de própolis intrabolsa periodontal. Diss. Universidade de São Paulo, 2006.
- 826.Bushra Begum, A., et al. "Evaluation of Benzophenone-N-Ethyl morpholine ethers as antibacterial and antifungal activities." *Journal of Chemistry* 2014 (2014).
- 827.Cardinault, N., Cayeux, M.O., & du Sert, P.P. La propolis: origine, composition et propriétés. *Phytothérapie*, 2012, 10(5), 298-304.

828. Costabile G., Gasteyer K. I., Nadithe V., Van Denburgh K., Lin Q., Sharma S., Reineke J. J., Firestine S. M., Merkel O. M. Physicochemical and In Vitro Evaluation of Drug Delivery of an Antibacterial Synthetic Benzophenone in Biodegradable PLGA Nanoparticles. *AAPS Pharm. Sci. Tech.*, 1-10, 2018.
829. Cuesta-Rubio, O., & Piccinelli, A. L. Tropical propolis: recent advances in chemical components and botanical origin. *Med. Plants: Biodiv. Drugs*, 2012, 209.
830. Cuesta-Rubio, O., A.L. Piccinelli, M. Campo Fernandez, I.M. Hernandez, A. Rosado, L. Rastrelli. *J. Agric. Food Chem.* 55, 7502-7509 (2007)
831. da Silva Nascimento, Rosilene. "Desenvolvimento de métodos analíticos para a análise de própolis utilizando técnicas espectrométricas e análise multivariada." (2013).
832. da Silva, R. O., Andrade, V. M., Rêgo, E. S. B., Dória, G. A. A., dos Santos Lima, B., da Silva, F. A., ... & Gomes, M. Z. (2015). Acute and sub-acute oral toxicity of Brazilian red propolis in rats. *Journal of ethnopharmacology*, 170, 66-71.
833. de Castro Ishida, V.F., Negri, G., Salatino, A., & Bandeira, M.F.C. A new type of Brazilian propolis: prenylated benzophenones in propolis from Amazon and effects against cariogenic bacteria. *Food Chemistry*, 2011, 125(3), 966-972.
834. de Macêdo, P.C.D. Etiologia da candidíase esofágica e avaliação do efeito antifúngico do extrato de própolis in vitro e in vivo. PhD Thesis, Universidade Federal de Pernambuco, 2011.
835. Duke, Colin C., et al. "A sedge plant as the source of Kangaroo Island propolis rich in prenylated p-coumarate ester and stilbenes." *Phytochemistry* 134 (2017): 87-97.
836. Falcão, Soraia Isabel Domingues Marcos. "Chemical Composition of Portuguese Propolis. Bioactive Properties." (2013).
837. Ferreira, Joselena Mendonça, and Giuseppina Negri. "Composição química e atividade biológica das própolis brasileiras: verde e vermelha." *ACTA Apicola Brasílica* 6.1 (2018): 06-15.
838. Freires, Irlan Almeida, Severino Matias de Alencar, and Pedro Luiz Rosalen. "A pharmacological perspective on the use of Brazilian Red Propolis and its isolated compounds against human diseases." *European journal of medicinal chemistry* 110 (2016): 267-279.
839. García, L.R.P., Galán, J.P.M., Pajón, C.M.G., et al. Physicochemical characterization and antimicrobial activity of propolis from municipality of La Union (Antioquia, Colombia). *Rev. Fac. Nal. Agr. Medellín*, 2010, 63(1), 5373-5383.
840. Gil-Gonzales, J., Durango-Restrepo, D.L., Rojano, B.A., Martin-Loaiza, G. Antioxidant activity and Chemical Composition of Colombian Propolis. In: *Natural Antioxidants and Biocides from Wild Medicinal Plants* Edited by C. Cespedes, D. Sampietro, D. Seigler, M. Rai. CABI, 2013, 92-116
841. Hegazi, A.G., Abd El Hady, F.K., Shalaby, H.A. *Pakistan Journal of Biological Sciences* 2007, 10(19), 3295-3305.
842. Herrera-López, Mercedes G., et al. "Botanical origin of triterpenoids from Yucatecan propolis." *Phytochemistry letters* 29, (2019), 25-29.
843. Huang, S., Zhang, C. P., Wang, K., Li, G. Q., & Hu, F. L. Recent Advances in the Chemical Composition of Propolis. *Molecules*, 19(12), 2014, 19610-19632.
844. Ibrahim, R. S., and A. M. Metwally. "Plant Source of Egyptian Propolis Using Multivariate-assisted Digitally-enhanced TLC Data Analysis."
845. Isla, M., P. Vit, R. Brito, A. Mejía, E. Molina, J.L. Isla. *Revista del Instituto Nacional de Higiene Rafael Rangel, INHRR* v.36 n.1 Caracas, 2005.
846. Isla, Marylenlid, et al. "Caramelos a base de propóleos y su posible aceptación en la ciudad de Mérida." *Revista del Instituto Nacional de Higiene Rafael Rangel* 36.1 (2005): 6-12.

- 847.Juanes, Camila de Carvalho. "Própolis vermelha e L-Lisina inibindo angiogênese no Tumor de Walker em modelo de bolsa jugal de hamster." (2018).
- 848.Kardar, M. N., et al. "Characterisation of triterpenes and new phenolic lipids in Cameroonian propolis." *Phytochemistry* 106 (2014): 156-163.
- 849.Khanum, S.A., Shashikanth, S., Umesha, S., Kavitha, R. *European Journal of Medicinal Chemistry* 40(11), 1156-1162 (2005)
- 850.Kumar S., Sharma S., Chattopadhyay SK. The potential health benefit of polyisoprenylated benzophenones from *Garcinia* and related genera: Ethnobotanical and therapeutic importance. *Fitoterapia*, 1, 89, 2013, 86-125.
- 851.Liu, Hui, et al. "Acylphloroglucinol and tocotrienol derivatives from the fruits of *Garcinia multiflora*." *RSC Advances* 7.47 (2017): 29295-29301.
- 852.López BG-C., Schmidt EM., Eberlin MN., Sawaya ACHF. Phytochemical markers of different types of red propolis. *Food Chemistry*, 146, 2014, 174-180
- 853.Machado, G.M.D., Leon, L.L., De Castro, S.L. Activity of Brazilian and Bulgarian propolis against different species of *Leishmania*. *Memorias do Instituto Oswaldo Cruz*, 2007, 102, 1, 73-77.
- 854.Mărghitaş LA., Dezmirean DS., Bobiş O. Important developments in romanian propolis research. *Evid. Based Compl. Altern. Med.*, 2013, art. no. 159392, ISSN: 1741-427X.
- 855.Martínez Galán, Julián Paúl. "Caracterización físico-química y evaluación de la actividad antifúngica de propóleos recolectados en el suroeste antioqueño." *Facultad de Ciencias Agropecuarias* (2009).
- 856.Massaró, C.F. Bee propolis: a potential anti-herpes drug. Thesis, Università degli Studi di Urbino, Italy, 2008.
- 857.Massaró, Carmelina Flavia. "Bee Propolis: A Potential Anti-Herpes Drug." (2007).
- 858.Mayworm, M.A.S., Fernandes-Silva, C.C., Salatino, M.L.F., Salatino, A. A simple and inexpensive procedure for detection of a marker of Brazilian alecrim propolis. *Journal of Apicultural Research* 2015, 54, 36-39
- 859.Meneses, Erick A., Diego L. Durango, and Carlos M. García. "Antifungal activity against postharvest fungi by extracts from Colombian propolis." *Química nova* 32.8 (2009): 2011-2017.
- 860.Miguel, M.G., & Antunes, M.D. Is propolis safe as an alternative medicine? *J. Pharmacy & Bioal. Sci.*, 2011, 3(4), 479.
- 861.Miranda, Stela Lima Farias, et al. "Brazilian red propolis reduces orange-complex periodontopathogens growing in multispecies biofilms." *Biofouling* 35,3, (2019), 308-319.
- 862.Mora, Dolly Patricia Pardo, et al. "The chemical composition and events related to the cytotoxic effects of propolis on osteosarcoma cells: A comparative assessment of Colombian samples." *Phytotherapy Research* 33.3 (2019): 591-601.
- 863.Naldoni, F. J., et al. "Antimicrobial activity of benzophenones and extracts from the fruits of *Garcinia brasiliensis*." *Journal of medicinal food* 12.2 (2009): 403-407.
- 864.Naveen, P., Al-Ghorbani, M., Asha, M.S., et al. Synthesis and inhibition of microbial growth by benzophenone analogues-a simplistic approach. *Asian J. Biomed. Pharm. Sci.*, 2014, 4(29), 55-60.
- 865.Neto, MS Regueira, et al. "Seasonal variation of Brazilian red propolis: Antibacterial activity, synergistic effect and phytochemical screening." *Food and Chemical Toxicology* 107 (2017): 572-580.
- 866.Nina, Nélide, et al. "Chemical profiling and antioxidant activity of Bolivian propolis." *Journal of the science of food and agriculture* 96.6 (2016): 2142-2153.
- 867.Okhale, S. E., et al. "Bee propolis: Production optimization and applications in Nigeria." *Journal of Pharmacognosy and Phytotherapy* 13.1 (2021): 33-45.

868. Patrícia Cerqueira de Macêdo, Danielle. "Etiologia da candidíase esofágica e avaliação do efeito antifúngico do extrato de própolis in vitro e in vivo." (2011).
869. Pereira, I.N. *Própolis: matéria-prima de potencial aplicação farmacêutica*. MS Thesis, Universidade Federal do Rio Grande do Sul, 2011.
870. Prashanth, T., et al. "Synthesis, characterization, docking study and antimicrobial activity of 2-(4-benzoylphenoxy)-1-[2-(1-methyl-1 H-indol-3-yl) methyl]-1 H-benzo [d] imidazol-1-yl] ethanone derivatives." *Journal of the Iranian Chemical Society* (2021): 1-16.
871. Regueira, M. S., et al. "Seasonal variation of Brazilian red propolis: Antibacterial activity, synergistic effect and phytochemical screening." *Food and Chemical Toxicology* (2017).
872. Righi, A. A. *Extratos brutos e constituintes de própolis brasileiras: avaliação dos efeitos nos carrapatos Rhipicephalus sanguineus, Rhipicephalus microplus e Amblyomma cajennense*. PhD Thesis, Universidade de São Paulo, 2013.
873. Righi, A.A. *Perfil químico de amostras de própolis brasileiras*, Dissertação, Universidade de São Paulo, 2008.
874. Rios, N., Yáñez, C., Rojas, L., et al. Chemical composition of essential oil of *Apis mellifera* propolis from Falcón State, Venezuela. *Emirates J. Food Agricult.*, 2014, 26(7), 639-642.
875. Rivera-Yañez, Nelly, et al. "Biomedical Properties of Propolis on Diverse Chronic Diseases and Its Potential Applications and Health Benefits." *Nutrients* 13.1 (2021): 78.
876. Robles-Zepeda, Ramón Enrique, et al. "Botanical origin and biological activity of propolis." *Medicinal plants: Biodiversity and drugs*. 1st ed. New York: CRC Press, Taylor & Francis Group (2012): 570-597.
877. Rusak G. In: *Scientific Evidence of the Use of Propolis in Ethnomedicine* (N. Orsolic, I. Basic, Editors), Transworld Research Network, Trivandrum, 2008, pp. 17 – 31.
878. Salatino, A., Fernandes-Silva, C.C., Righi, A.A., & Salatino, M.L.F. Propolis research and the chemistry of plant products. *Nat. Prod. Reports*, 2011, 28(5), 925-936.
879. Salatino, Antonio, et al. "Propolis research and the chemistry of plant products." *Natural product reports* 28.5 (2011): 925-936.
880. Salomão, K., P.R. S. Pereira, L. C., C. M. Borba, P. H. Cabello, M. C. Marcucci and S. L. de Castro. *Evidence-based Complementary and Alternative Medicine* 5(3), 317-324 (2008)
881. Santos, Laerte M., et al. "Propolis: types, composition, biological activities, and veterinary product patent prospecting." *Journal of the Science of Food and Agriculture* 100.4 (2020): 1369-1382.
882. Sawaya, A. C. H. F. "A Review Of The Plant Origins, composition And Biological Activity of Red Propolis." *Natural Products: Structure, Bioactivity and Applications* (2012).
883. Sawaya, A.C.H.F., Abdelnur, P.V., Eberlin, M.N., et al. Fingerprinting of propolis by easy ambient sonic-spray ionization mass spectrometry. *Talanta*, 2010, 81, 1-2, 100-108.
884. Seidel, Véronique, et al. "Comparative study of the antibacterial activity of propolis from different geographical and climatic zones." *Phytotherapy Research* 22.9 (2008): 1256-1263.
885. Shoaie Hassani, Amir, Kasra Hamdi, and Amir Ghaemi. "In vitro Reduction in Colonization of *Streptococcus mutans* by Honey Beeswax ethyl acetate extract." *Journal of Arak University of Medical Sciences* 11.4 (2008): 87-95.
886. Silici, S. Turkish propolis: chemical constituents. 2010, *Mellifera*, 10(19), 24-33.
887. Silici, S., Plant-honeybee interactions. *Recent Advances in Plant Science* 2020:313-340.
888. Silva, Adriana Carneiro da. "Avaliação in vitro do potencial leishmanicida de derivados triazólicos e derivados de benzofenonas." (2017).
889. Silva-Carvalho, R., Baltazar, F., & Almeida-Aguiar, C. (2015). Propolis: A Complex Natural Product with a Plethora of Biological Activities That Can Be Explored for Drug Development.

Evidence-Based Complementary and Alternative Medicine, 2015.

- 890.Soltani, El-khamsa. Caractérisation et activités biologiques de substances naturelles, cas de la propolis. Diss. 2018.
- 891.Toreti VC., Sato HH., Pastore GM., Park YK. Recent progress of propolis for its biological and chemical compositions and its botanical origin. Evidence-based Complementary and Alternative Medicine, 2013, art. no. 697390, ISSN: 1741-427X
- 892.Torres, Raimundo Nonato Soares, et al. "The volatile constituents of propolis from Piauí." Quimica Nova 31.3 (2008): 479-485.
- 893.Tran, Trong D., et al. "Lessons from exploring chemical space and chemical diversity of propolis components." International journal of molecular sciences 21.14 (2020): 4988,1-35.
- 894.Trujillo Celi, Cristian Fabián. Composición química de cinco muestras de propóleo del cantón Yantzaza de la provincia de Zamora Chinchipe. BS thesis. Machala: Universidad Técnica de Machala, 2015.
- 895.Кайгородов, Р. Биохимические особенности растительных источников прополиса умеренной природной зоны. Вестник Пермского Университета. Серия: Биология, 2013, (3), 65-68.
- 896.Кайгородов, Роман, Ольга Александровна Малькова, and Юлия Витальевна Кайгорова. "Тестирование антиоксидантных свойств спиртовых экстрактов прополиса с использованием липосомной модели." Educatio 4 (11)-3 (2015).
- 897.РедRusak G. In: Scientific Evidence of the Use of Propolis in Ethnomedicine (N. Orsolic, I. Basic, Editors), Transworld Research Network, Trivandrum, 2008, pp. 17 – 31.

84). Trusheva B., Popova M., Koendhori EB., Tsvetkova I., NAYDENSKI C., Bankova V. Indonesian propolis: Chemical composition, biological activity and botanical origin. Natural Product Research, 6, 25, 2011, 606-613, ISSN: 1478-6419. IF – 1.009.

- 898.Abdullah, Nurul Aliah, et al. "Phytochemicals, mineral contents, antioxidants, and antimicrobial activities of propolis produced by Brunei stingless bees *Geniotrigona thoracica*, *Heterotrigona itama*, and *Tetrigona binghami*." Saudi journal of biological sciences 27.11 (2020): 2902-2911.
- 899.Anđelković, Boban D. Primena rezultata NMR i FTIR spektroskopskih tehnika u multivarijantnoj analizi za klasifikaciju propolisa. Diss. Univerzitet u Beogradu-Hemijski fakultet, 2017.
- 900.Avula, Bharathi, et al. "Quantification and characterization of phenolic compounds from northern Indian propolis extracts and dietary supplements." Journal of AOAC International 103.5 (2020): 1378-1393.
- 901.Cardinault, N., Cayeux, M.O., & du Sert, P.P. La propolis: origine, composition et propriétés. Phytothérapie, 2012, 10(5), 298-304.
- 902.da Silva, C. C. F., Salatino, A., da Motta, L. B., Negri, G., & Salatino, M. L. F. (2019). Chemical characterization, antioxidant and anti-HIV activities of a Brazilian propolis from Ceará state. Revista Brasileira de Farmacognosia, 29(3), 309-318.
- 903.De Groot AC. Propolis: A review of properties, applications, chemical composition, contact allergy, and other adverse effects. Dermatitis, 6, 24, 2013, 263-282.
- 904.De Souza, G.G., Pfenning, L.H., De Moura, F., et al. Isolation, identification and antimicrobial activity of propolis-associated fungi. Nat. Prod. Res. 18, 27, 2013, 1705-1707.
- 905.Ervina, Martha. "The recent use of *Swietenia mahagoni* (L.) Jacq. as antidiabetes type 2 phytomedicine: A systematic review." Heliyon 6.3 (2020): e03536.
- 906.Fan Y., Ma L., Zhang W., Xu Y., Suolangzhaxi Zhi X., Cui E., Song X. Microemulsion can improve the immune-enhancing activity of propolis flavonoid on immunosuppression and immune response. International Journal of Biological Macromolecules, 63, 2014, 126-132, ISSN: 0141-8130
- 907.Fan, Y., Ma, L., Zhang, W., et al. The design of propolis flavone microemulsion and its effect on

- enhancing the immunity and antioxidant activity in mice. *Int. J. Biol. Macromol.*, 2014, 65, 200-207.
908. Farida, Siti, et al. "The beneficial effect of Indonesian propolis wax from *Tetragonula* sp. as a therapy in limited vaginal candidiasis patients." *Saudi Journal of Biological Sciences* 27.1 (2020): 142-146.
 909. Gil-Gonzales, J., Durango-Restrepo, D.L., Rojano, B.A., Martin-Loaiza, G. Antioxidant activity and Chemical Composition of Colombian Propolis. In: *Natural Antioxidants and Biocides from Wild Medicinal Plants* Edited by C. Cespedes, D. Sampietro, D. Seigler, M. Rai. CABI, 2013, 92-116
 910. Herrera-López, M. G., Rubio-Hernández, E. I., Leyte-Lugo, M. A., Schinkovitz, A., Richomme, P., Calvo-Irabién, L. M., & Peña-Rodríguez, L. M. (2019). Botanical origin of triterpenoids from Yucatecan propolis., *Phytochemistry letters*, 29, 25-29.
 911. Herrera-López, Mercedes G., et al. "Resorcinolic Lipids from Yucatecan Propolis." *Journal of the Brazilian Chemical Society* 31.1 (2020): 186-192.
 912. Huang, S., Zhang, C. P., Wang, K., Li, G. Q., & Hu, F. L.. Recent Advances in the Chemical Composition of Propolis. *Molecules*, 19(12), 2014, 19610-19632
 913. Huang, Z. C., & Hu, F. Progress of study on the chemical composition of propolis (2008-2012). *Nat. Prod. Res. Developm.*, 2013, 25 (8), 1146-1153.
 914. Inui, S., Hosoya, T., Shimamura, Y., et al. Solophenols B–D and solomonin: new prenylated polyphenols isolated from propolis collected from the Solomon Islands and their antibacterial activity. *J. Agric. Food Chem.*, 2012, 60(47), 11765-11770.
 915. Iqbal, M., Fan, T. P., Watson, D., Alenezi, S., Saleh, K., & Sahlan, M. (2019). Preliminary studies: the potential anti-angiogenic activities of two Sulawesi Island (Indonesia) propolis and their chemical characterization. *Heliyon*, 5(7), e01978.
 916. Ismail T. N. N. T., Sulaiman S. A., Ponnuraj K. T., Man C. N., Hassan N. B. Chemical Constituents of Malaysian *Apis mellifera* Propolis. *Sains Malays.*, 47 (1), 117-122, 2018.
 917. Jee, Y. S. (2012). First experiences with laparoscopic assisted distal gastrectomy: in the view of comparison with high volume centers. *J. Korean Surg. Soc.*, 83(3), 130-134.
 918. Kardar, M. N., Zhang, T., Coxon, G. D., et al. V. Characterisation of triterpenes and new phenolic lipids in Cameroonian propolis. *Phytochemistry*. 2014, 106, 156-163.
 919. Keskin, Merve. "Chemical characterization of arabic gum-chitosan-propolis beads and determination of alpha-amylase inhibition effect." *PROGRESS IN NUTRITION* 22.2 (2020): 562-567.
 920. Keskin, Merve. "Determination of Chemical Composition and α -Amylase Inhibitory Effect of New Propolis Extracts." *Combinatorial chemistry & high throughput screening* (2020).
 921. Kim, J., & Yang, Y. J. (2014). Plain water intake of Korean adults according to life style, anthropometric and dietary characteristic: the Korea National Health and Nutrition Examination Surveys. *Nutr. Res. Pract.* 2014, 8(5): 580–588.
 922. Kinasih, I., et al. "Addition of black soldier fly larvae (*Hermetia illucens* L.) and propolis to broiler chicken performance." *IOP Conference Series: Earth and Environmental Science*. Vol. 187. No. 1. IOP Publishing, 2018.
 923. Kinghorn, A. Douglas, et al., eds. *Progress in the chemistry of organic natural products*. Cham, Switzerland: Springer, 2017.
 924. Kumazawa, S., Murase, M., Momose, N., & Fukumoto, S. Analysis of antioxidant prenylflavonoids in different parts of *Macaranga tanarius*, the plant origin of Okinawan propolis. *Asian Pac. J. Trop. Med.*, 2014, 7(1), 16-20.

- 925.Kustiawan, P. M., Puthong, S., Arung, E. T., & Chanchao, C. In vitro cytotoxicity of Indonesian stingless bee products against human cancer cell lines. *Asian Pac. J. Trop. Biomed.*, 2014, 4, 7, 549-556.
- 926.Kustiawan, Paula Mariana, et al. "Molecular mechanism of cardol, isolated from *Trigona incisa* stingless bee propolis, induced apoptosis in the SW620 human colorectal cancer cell line." *BMC Pharmacology and Toxicology* 18.1 (2017): 32.
- 927.Lee, K.P., Sudjarwo, G.W., Kim, J.S., et al. The anti-inflammatory effect of Indonesian Areca catechu leaf extract in vitro and in vivo. *Nutr. Res. Practice*, 2014,8, 4,
- 928.Muscat M. Use of Propolis chemical and Asian tiger mosquito bites. Case report and review. *Malta Med. J.*, 2013, 1, 25, 58-61.
- 929.Pailee, P., Sangpetsiripan, S., Mahidol, C., Ruchirawat, S., & Prachyawarakorn, V. (2015). Cytotoxic and cancer chemopreventive properties of prenylated stilbenoids from *Macaranga siamensis*. *Tetrahedron*, 71(34), 5562-5571.
- 930.Pereira, Daniel Santiago, et al. "Effect of extracts of amazonian bee propolis on *Xanthomonas axonopodis* pv. *passiflorae* in the State of Pará-Brazil." *Embrapa Amazônia Oriental-Artigo em periódico indexado (ALICE)* (2020)
- 931.Pujirahayu, N., Suzuki, T., & Katayama, T. (2019). Cycloartane-Type Triterpenes and Botanical Origin of Propolis of Stingless Indonesian Bee *Tetragonula sapiens*., *Plants*, 8(3), 57.
- 932.Pumerantz, S.A. PEGylated liposomal vancomycin: A glimmer of hope for improving treatment outcomes in MRSA pneumonia. *Rec. Patents Anti-Infect. Drug Discov.*, 2012, 7(3), 205-212.
- 933.Rahim, Muhammad Kamil Abdul. Structural and biochemical characterization of bees propolis. Diss. Pusat Pengajian Sains Perubatan, Universiti Sains Malaysia, 2020.
- 934.Saeed, F., Ahmad, R. S., Arshad, M. U., Niaz, B., Batool, R., Naz, R., & Ansar Rasul Suleria, H. (2016). Propolis to Curb Lifestyle Related Disorders: An Overview. *International Journal of Food Properties*, 19(2), 420-437.
- 935.Sahlan M., Supardi T. Encapsulation of indonesian propolis by Casein micelle. *Int. J. Pharm.Biol. Sci.*, 2013, 1, 4, 297-305.
- 936.Schneiderova K., Smejkal K. (2015). Phytochemical profile of *Paulownia tomentosa* (Thunb) Steud. *Phytochem. Rev.*, 14 (5), 799–833.
- 937.Schneiderová, K., & Šmejkal, K. (2014). Phytochemical profile of *Paulownia tomentosa* (Thunb). Steud. *Phytochemistry Reviews*, 2014, 1-35.
- 938.Sforzin, Jose M. "Biological properties and therapeutic applications of propolis." *Phytotherapy research* 30.6 (2016): 894-905.
- 939.Shahinozzaman, Md, Diana N. Obanda, and Shinkichi Tawata. "Chemical composition and pharmacological properties of *Macaranga*-type Pacific propolis: A review." *Phytotherapy Research* (2020). in press
- 940.Siheri, W., Ebiloma, G. U., Igoli, J. O., Gray, A. I., Biddau, M., Akrachalanont, P., Alenezi, S., Alwashih, M. A., Edrada-Ebel, R.A. , Muller, S. Lawrence, C. E., Fearnley, J., Watson ,D. G, De Koning, H. P. (2019). Isolation of a novel flavanonol and an alkylresorcinol with highly potent anti-trypansomal activity from Libyan propolis., *Molecules*, 24(6), 1041.
- 941.Silva-Carvalho, R., Baltazar, F., Almeida-Aguiar, C. Propolis: A Complex Natural Product with a Plethora of Biological Activities That Can Be Explored for Drug Development Evidence-based Complementary and Alternative Medicine 2015, Article number 206439
- 942.Souza, E.A.D., Inoue, H.T., Fernandes Júnior, A., Veiga, N., & Orsi, R. D. O. Influence of seasonality and production method on the antibacterial activity of propolis. *Acta Scientiarum. Animal Sciences*, 2014, 36(1), 49-53.

943. Svečnjak, Lidija, et al. "Mediterranean Propolis from the Adriatic Sea Islands as a Source of Natural Antioxidants: Comprehensive Chemical Biodiversity Determined by GC-MS, FTIR-ATR, UHPLC-DAD-QqTOF-MS, DPPH and FRAP Assay." *Antioxidants* 9.4 (2020): 337.
944. Toret, V.C., Sato, H.H., Pastore, G.M., Park, Y.K. Recent progress of propolis for its biological and chemical compositions and its botanical origin. *Evid. Based Compl. Altern. Med.*, art. no. 697390, 2013, ISSN: 1741-427X
945. Tran, Trong D., et al. "Lessons from exploring chemical space and chemical diversity of propolis components." *International journal of molecular sciences* 21.14 (2020): 4988.
946. WALI, ADIL F., et al. "BEE PROPOLIS (BEE'S GLUE): A PHYTOCHEMISTRY REVIEW." *Journal of Critical Reviews* 4.4 (2017).
947. Yuan, J., Lu, Y., Abula, S., et al. Optimization on preparation condition of propolis flavonoids liposome by response surface methodology and research of its immunoenhancement activity. *Evid.-Based Compl. Alt. Med.*, art. no. 505703, 2013, ISSN: 1741-427X
948. Zhang C., Hu F. Status of Research on Propolis at Foreign and Domestic in 2011. *Apiculture of China*
949. Zhang, C., Shun, P. H. & Hu, F. Study of the chemical composition of propolis from different geographical and plant origin. *Chinese Pharm. J.*, 2013, 48 (022), 1889-1892.

85). Popova, M., V. Bankova, S. Bogdanov, I. Tsvetkova, C. NAYDENSKI, G.- L. Marcazzan, A.-G. Sabatini. Chemical characteristics of poplar type propolis of different geographic origin. *Apidologie* 38 306– 311 (2007)

950. Aguiar, Tarsis, et al. "Residual polysaccharides from fungi reduce the bacterial spot in tomato plants." *Bragantia* 77.2 (2018): 299-313.
951. Alafandy, A. S. Assessment of crude propolis as a direct pulp capping agent in primary and immature permanent teeth. *Endodontic Practice Today*, 2014, 8(3), 199-206.
952. Alafandy, Ansam Shafik, and Sharif Salim Barakat. "Histological evaluation of pulp response to Syrian crude propolis as a pulpotomy agent in primary and immature permanent teeth--In vivo study." *Quintessence International* 9.3 (2015): 201-09.
953. Alvarez, M.V., Moreira, M.R., & Ponce, A. Antiquorum sensing and antimicrobial activity of natural agents with potential use in food. *J. Food Safety*, 2012, 32(3), 379-387.
954. Alvarez, M.V., Ponce, A.G., Mazzucotelli, C.A., Moreira, M.R. The impact of biopreservatives and storage temperature in the quality and safety of minimally processed mixed vegetables for soup. *Journal of the Science of Food and Agriculture* 2015, 95, 962-971
955. Alvarez, M.V., Ponce, A.G., Moreira, M.R. Combined Effect of Bioactive Compounds and Storage Temperature on Sensory Quality and Safety of Minimally Processed Celery, Leek and Butternut Squash. *Journal of Food Safety* 2015, 35, 560-574.
956. Alvarez, María V., et al. "Physical treatments and propolis extract to enhance quality attributes of fresh-cut mixed vegetables." *Journal of Food Processing and Preservation* 41.5 (2017): e13127.
957. Anđelković, Boban D. Primena rezultata NMR i FTIR spektroskopskih tehnika u multivarijantnoj analizi za klasifikaciju propolisa. *Diss. Univerzitet u Beogradu-Hemijski fakultet*, 2017.
958. Anđelković, Boban, et al. "Metabolomics study of Populus type propolis." *Journal of pharmaceutical and biomedical analysis* 135 (2017): 217-226.
959. Asawahame, C., Sutjarittangtham, K., Eitssayeam, S., Tragoolpua, Y., Sirithunyalug, B., & Sirithunyalug, J. Antibacterial Activity and Inhibition of Adherence of *Streptococcus mutans* by Propolis Electrospun Fibers. *AAPS PharmSciTech*, 1-10, 2014.
960. Ashry, E.S.H.E., & Ahmad, T.A. The use of propolis as vaccine's adjuvant. *Vaccine*, 2012, 31(1), 31-39

961. Bakchiche, Boulanouar, et al. "Total phenolic, flavonoid contents and antioxidant activities of honey and propolis collected from the region of Laghouat (South of Algeria)." *World News of Natural Sciences. An International Scientific Journal* 11 (2017).
962. Bayram, Nesrin Ecem, et al. "Chemical characterization of 64 propolis samples from Hakkari, Turkey." (2018).
963. Benhanifia M., Mohamed WM., Bellik Y., Benbarek H. Antimicrobial and antioxidant activities of different propolis samples from north-western Algeria. *Int. J. Food Sci. Technol.*, 12, 48, 2013, 2521-2527.
964. Benhanifia, M., Mohamed, W.M. Phenolics constituents of different types of propolis and their antimicrobial activities *Anti-Infective Agents* 2015, 13, 17-27
965. Benkovic, V., Horvat Knezevic, A., Dikic, D., Lisicic, D., Orsolic, N., Basic, I., Kosalec, I., Kopjar, N. *Phytomedicine* 15(10), 851-858 (2008)
966. Betances-Salcedo, Eddy, et al. "Flavonoid and antioxidant capacity of propolis prediction using near infrared spectroscopy." *Sensors* 17.7 (2017): 1647.
967. Bremer, Martina, et al. "Investigation on the potential of poplar bark from short-rotation coppices as bio-based fungicidal additives." *BioEnergy Research* (2021): 1-10.
968. Buriol, Lilian, et al. "Chemical Composition And Biological Activity Of Oil Propolis Extract: An Alternative To Ethanolic Extract [composição Química E Atividade Biológica De Extrato Oleoso De Própolis: Uma Alternativa Ao Extrato Etanólico]." *Quimica Nova* (2009). 296 - 302
969. Cardinault, N., Cayeux, M. O., & du Sert, P. P.. La propolis: origine, composition et propriétés. *Phytothérapie*, 2012, 10(5), 298-304.
970. Çelemlı, Ömür Gençay, Mehmet Atakay, and Kadriye Sorkun. "The correlation between botanical source and the biologically active compounds of propolis." *İstanbul Journal of Pharmacy* 49.2 (2019): 81-87.
971. Coneac, G.H., Vlaia, L., Olariu, I., et al. Experimental researches for standardization of hidroalcoholic extracts of propolis from the west region of romania. *Farmacia*, 2014, 62(2), 400-412.
972. Curifuta, M., Vidal, J., Sánchez-Venegas, J., et al. The in vitro antifungal evaluation of a commercial extract of Chilean propolis against six fungi of agricultural importance. *Ciencia e Investigación Agraria*, 2012, 39(2), 347-359.
973. de Almeida, S.L., Schmidt, É.C., Pereira, D.T., et al. Effect of ultraviolet-B radiation in laboratory on morphological and ultrastructural characteristics and physiological parameters of selected cultivar of *Oryza sativa* L. *Protoplasma*, 6, 250, 2013, 1303-1313.
974. de Castro Ishida, V.F., Negri, G., Salatino, A., & Bandeira, M.F.C. A new type of Brazilian propolis: Prenylated benzophenones in propolis from Amazon and effects against cariogenic bacteria. *Food Chem.*, 2011, 125(3), 966-972.
975. de Figueiredo, M. S., A Nogueira-Machado, J., de M Almeida, B., et al. Immunomodulatory properties of green propolis. *Recent Patents on Endocrine, Metabolic & Immune Drug Discovery*, 2014, 8(2), 85-94.
976. De Groot AC. Propolis: a review of properties, applications, chemical composition, contact allergy, and other adverse effects. *Dermatitis*, 6, 24, 2013, 263-282.
977. de Oliveira, Lídia Procópio. "Caracterização química da geoprópolis de abelhas sem ferrão amazônicas." (2014).
978. de Oliveira, Lídia Procópio. "Estudo químico da geoprópolis de *Melipona seminigra* Merriale Cockerell, 1919." (2015).
979. Devequi-Nunes, Danielle, et al. "Chemical characterization and biological activity of six different

- extracts of propolis through conventional methods and supercritical extraction." *PLoS One* 13.12 (2018): e0207676.
- 980.Dezmirean, D. S., et al. "Plant Sources Responsible for the Chemical Composition and Main Bioactive Properties of Poplar-Type Propolis. *Plants* 2021, 10, 22." (2020). <https://doi.org/10.3390/plants10010022>
 - 981.Dezmirean, Daniel S., et al. "Influence of geographic origin, plant source and polyphenolic substances on antimicrobial properties of propolis against human and honey bee pathogens." *Journal of Apicultural Research* 56.5 (2017): 588-597.
 - 982.Dimkić, Ivica, et al. "Phenolic profiles and antimicrobial activity of various plant resins as potential botanical sources of Serbian propolis." *Industrial Crops and Products* 94 (2016): 856-871.
 - 983.Ding, Jiangli, et al. "Daily Brazilian green propolis intake elevates blood artemisin C levels in humans." *Journal of the Science of Food and Agriculture* (2021).
 - 984.Dolabella, Luiza de Marilac Pereira. "Estudo eletroquímico sobre a corrosão de aço carbono e aço inoxidável em meio contendo cloreto na presença de extrato etanólico de própolis." (2016).
 - 985.dos Santos, Thaíse Fernanda Santana, et al. "MSPD procedure for determining bupropion, tetradifon, vinclozolin, and bifenthrin residues in propolis by gas chromatography–mass spectrometry." *Analytical and bioanalytical chemistry* 390.5 (2008): 1425-1430.
 - 986.Dranca, Florina, Florin Ursachi, and Mircea Oroian. "Bee Bread: Physicochemical Characterization and Phenolic Content Extraction Optimization." *Foods* 9.10 (2020): 1358.
 - 987.Drescher, N., Wallace, H. M., Katouli, M., Massaro, C. F., & Leonhardt, S. D. Diversity matters: how bees benefit from different resin sources.*Oecologia*, 176(4), 2014, 943-953.
 - 988.Duke, Colin C., et al. "A sedge plant as the source of Kangaroo Island propolis rich in prenylated p-coumarate ester and stilbenes." *Phytochemistry* 134 (2017): 87-97.
 - 989.El Sayed, H., and Tarek A. Ahmad. "The use of propolis as vaccine's adjuvant." *Vaccine* 31.1 (2012): 31-39.
 - 990.El-Shahawi, M. S., and R. Al-Hindi. "Physicochemical Characteristics of Saudi Arabian Locally Produced Raw and Diluted Honeys and Their Relations to Antimicrobial Activity." *Journal: Journal of Advances in Chemistry* 10.6.(2014)
 - 991.Esriche, Isabel, and Marisol Juan-Borrás. "Standardizing the analysis of phenolic profile in propolis." *Food Research International* 106 (2018): 834-841.
 - 992.Falcão SI., Freire C., Vilas-Boas M. A proposal for physicochemical standards and antioxidant activity of Portuguese propolis. *JAOCs, J. Am. Oil Chemists' Soc.*, 11, 90, 2013, 1729-1741.
 - 993.Falcão, Soraia Isabel Domingues Marcos. "Chemical Composition of Portuguese Propolis. Bioactive Properties." (2013).
 - 994.Fedotova, Victoria Vladimirovna, and Dmitry Alexeevich Konovalov. "Propolis research in Russia." *Indian J. Pharm. Educ. Res* 53 (2019): 500-509.
 - 995.Fokt, H., Pereira, A., Ferreira, A.M., et al. How do bees prevent hive infections? The antimicrobial properties of propolis. *Curr. Res. Technol. Educ. Topics Appl. Microbiol. Microb. Biotechnol.*, 2010, 1, 481-493.
 - 996.Fortier, Julien, et al. "Potential for hybrid poplar riparian buffers to provide ecosystem services in three watersheds with contrasting agricultural land use." *Forests* 7.2 (2016): 37.
 - 997.Frazão, Joana. Desenvolvimento de formulações cosméticas utilizando produtos apícolas e voláteis de cogumelos silvestres: determinação da estabilidade e toxicidade. Diss. 2017.
 - 998.Gardini, Silvia, et al. "Chemical composition of Italian propolis of different ecoregional origin." *Journal of Apicultural Research* 57.5 (2018): 639-647.
 - 999.Hage, Salim, and Gertrud E. Morlock. "Bioprofiling of Salicaceae bud extracts through high-

- performance thin-layer chromatography hyphenated to biochemical, microbiological and chemical detections." *Journal of Chromatography A* 1490 (2017): 201-211.
1000. Hamilton, Karina D. Evaluation of the anti-inflammatory, anti-oxidant and wound-healing potential of cerumen from the Australian native stingless bee, *Tetragonula carbonaria*. Diss. University of the Sunshine Coast, Queensland, 2015.
 1001. Herrera, C.L., Alvear, M., Barrientos, L., et al. The antifungal effect of six commercial extracts of Chilean propolis on *Candida* spp. *Ciencia e Investigacion Agraria*, 2010, 37, 1, 75-84.
 1002. Ibrahim, Nurhamizah, et al. "Chemical and biological analyses of Malaysian stingless bee propolis extracts." *Malaysian Journal of Analytical Sciences* 20.2 (2016): 413-422.
 1003. Irigoiti, Yanet, Diego K. Yamul, and Alba S. Navarro. "Co-crystallized sucrose with propolis extract as a food ingredient: Powder characterization and antioxidant stability." *LWT* 143 (2021): 111164.
 1004. Isidorov, V. A., Szczepaniak, L., & Bakier, S. Rapid GC/MS determination of botanical precursors of Eurasian propolis. *Food Chemistry*, 2014, 142, 101-106
 1005. Isidorov, Valery A., et al. "Activity of selected plant extracts against honey bee pathogen *Paenibacillus* larvae." *Apidologie* 49.6 (2018): 687-704.
 1006. Isidorov, Valery A., et al. "In vitro study of the antimicrobial activity of European propolis against *Paenibacillus* larvae." *Apidologie* 48.3 (2017): 411-422.
 1007. Jermalionok, Josif. "Jonažolių sirupo modeliavimas ir kokybės vertinimas." (2011). https://lsmuni.lt/cris/bitstream/20.500.12512/100458/1/Diplominis_darbas.pdf
 1008. Jiang, Xiasen, et al. "A new propolis type from Changbai mountains in North-east China: chemical composition, botanical origin and biological activity." *Molecules* 24.7 (2019): 1369.
 1009. Jiang, Xiasen, et al. "Grouping, Spectrum–Effect Relationship and Antioxidant Compounds of Chinese Propolis from Different Regions Using Multivariate Analyses and Off-Line Anti-DPPH Assay." *Molecules* 25.14 (2020): 3243.
 1010. Kadhim, M. J., et al. "Propolis in livestock nutrition." *Entomol. Ornithol. Herpetol* 7 (2018): 207.
 1011. Kapare, Harshad, et al. "Standardization, anti-carcinogenic potential and biosafety of Indian propolis." *Journal of Ayurveda and integrative medicine* 10.2 (2019): 81-87.
 1012. Kasote, Deepak M., et al. "HPLC, NMR based chemical profiling and biological characterisation of Indian propolis." *Fitoterapia* 122 (2017): 52-60.
 1013. Katekhaye, Shankar, et al. "Gaps in propolis research: challenges posed to commercialization and the need for an holistic approach." *Journal of Apicultural Research* 58.4 (2019): 604-616.
 1014. Ken, M. & F. Shuichi. Okinawa production of POLYPLASDONE of plants origin. *Chem.Biology*, 2010, 48 (1), 35-42.
 1015. KESKİN, Şaban, Levent YATANASLAN, and Semiramis KARLIDAĞ. "FARKLI İLLERDEN TOPLANAN PROPOLİS ÖRNEKLERİNİN KİMYASAL KARAKTERİZASYONU." *Uludağ Arıcılık Dergisi* 20.1 (2020): 81-88.
 1016. Komzáková, Karolína. "Fytochemické studium vybraných genotypů bazalky pravé (*Ocimum basilicum* L.)." <https://theses.cz/id/uhticf/Komzkov.Karolna.2019.pdf>
 1017. Lai, M., Zhou, Y., Xiaoming, F. et al. Volatile components analysis of ethanol extract of propolis. *Modern Food Sci. Technol.*, 2012, 28 (4), 456-461.
 1018. Lectong Cusme, Nieve Esther, and Neiva Maricela Quiñonez Becerra. Efecto de La E-Polilisina y propóleo como conservantes en la vida útil del yogurt. MS thesis. Calceta: ESPAM MFL, 2020.
 1019. Leoni, V., et al. "Variabilità all'origine e fattori di qualità: nuove esperienze analitiche perla

caratterizzazione della propoli." CEC, 2020.

1020. Machado, Bruna Aparecida Souza, et al. "Chemical composition and biological activity of extracts obtained by supercritical extraction and ethanolic extraction of brown, green and red propolis derived from different geographic regions in Brazil." *PloS one* 11.1 (2016): e0145954.
1021. Maroof, Kashif, and Siew Hua Gan. "A Review on Chemical Compositions, Biological Activity and Formulation Techniques of Malaysian Honey Bee and Meliponine Propolis." *Journal of Biologically Active Products from Nature* 10.6 (2020): 507-523.
1022. Massaro, F., and Sara Diana Leonhardt. "Nora Drescher, Helen M. Wallace, Mohammad Katouli, Carmelina." *Oecologia* ISSN- 0029-8549 DOI 10.1007/s00442-014-3070-z Springer https://www.researchgate.net/profile/Sara-Leonhardt/publication/265516020_Diversity_matters_how_bees_benefit_from_different_resin_sources/links/564ae81008ae44e7a28e2853/Diversity-matters-how-bees-benefit-from-different-resin-sources.pdf
1023. Miguel, M.G., & Antunes, M.D. Is propolis safe as an alternative medicine?. *J.Pharm. & Bioal. Sci.*, 2011, 3(4), 479.
1024. Mohd Suib, Muhammad Syamil, et al. "Ethanolic extract of propolis from the Malaysian stingless bee *Geniotrigona thoracica* inhibits formation of THP-1 derived macrophage foam cells." *Journal of Apicultural Research* (2020): 1-13.
1025. Mohd, Khamsah Suryati, et al. "Propolis: Traditional uses, Phytochemical Composition and Pharmacological Properties." *International Journal of Engineering & Technology* 7.4.43 (2018): 78-82.
1026. Moise, Adela Ramona, and Otilia Bobiş. "Baccharis dracunculifolia and Dalbergia ecastophyllum, Main Plant Sources for Bioactive Properties in Green and Red Brazilian Propolis." *Plants* 9.11 (2020): 1619.
1027. Moritz, R.F.A., de Miranda J, Fries I, et al. Research strategies to improve honeybee health in Europe. *Apidologie*, 2010, 41, 3, 227-242. DOI10.1051/apido/2010010
1028. Nabernik, Urša. Razvoj metode za določitev permeabilnosti sestavin propolisa skozi kožo prašičjega uhlja in vitro. Diss. Univerza v Ljubljani, Fakulteta za farmacijo, 2019.
1029. Niculae, Mihaela, et al. "In vitro synergistic antimicrobial activity of Romanian propolis and antibiotics against *Escherichia coli* isolated from bovine mastitis." *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 43.2 (2015): 327-334.
1030. Nweze, Nwakaego E., et al. "Effects of Nigerian red propolis in rats infected with *Trypanosoma brucei brucei*." *Comparative Clinical Pathology* 26.5 (2017): 1129-1133.
1031. Nyandwi, Ramadhan, et al. "Determination and Quantification of Gallic Acid in Raw Propolis by High-performance Liquid Chromatography–Diode Array Detector in Burundi." *East Africa Science* 1.1 (2019): 43-48.
1032. Okur, Özge Duygu. "Determination of antioxidant activity and total phenolic contents in yogurt added with black cumin (*Nigella sativa* L.) honey." *Ovidius University Annals of Chemistry* 32.1 (2021): 1-5.
1033. Oroian, Mircea, Florin Ursachi, and Florina Dranca. "Influence of ultrasonic amplitude, temperature, time and solvent concentration on bioactive compounds extraction from propolis." *Ultrasonics sonochemistry* 64 (2020): 105021.
1034. Oroian, Mircea, Florin Ursachi, and Florina Dranca. "Ultrasound-assisted extraction of polyphenols from crude pollen." *Antioxidants* 9.4 (2020): 322.
1035. Oroian, Mircea, Florina Dranca, and Florin Ursachi. "Comparative evaluation of maceration, microwave and ultrasonic-assisted extraction of phenolic compounds from propolis." *Journal of*

food science and technology 57.1 (2020): 70-78.

1036. Oruç, Hasan Hüseyin, Ali Sorucu, and Levent Aydın. "Propolisin sağlık açısından önemi, kalitesinin belirlenmesi ve Türkiye açısından irdelenmesi." (2013).
1037. ORUÇ, Hasan Hüseyin, et al. "Mevsim ve rakımın propolisteki biyolojik olarak aktif belirli fenolik bileşiklerin düzeylerine etkisi ve propolisin kısmi standardizasyonu." *Ankara Üniversitesi Veteriner Fakültesi Dergisi* 64.1 (2017): 13-20.
1038. Osés, Sandra M., et al. "Design of a food product composed of honey and propolis." *Journal of Apicultural Research* 54.5 (2015): 461-467.
1039. Ouriques, Luciane C., et al. "Physiological, morphological and ultrastructural responses to exposure to ultraviolet radiation in the red alga *Aglaothamnion uruguayense* (WR Taylor)." *Brazilian Journal of Botany* 40.3 (2017): 783-791.
1040. ÖZENİRLER, Çiğdem, et al. "A New Record for Propolis Substitute: Pruning Sealer." *Mellifera* 18.1 (2018): 36-39.
1041. Papachroni, Danai, et al. "Phytochemical analysis and biological evaluation of selected African propolis samples from Cameroon and Congo." *Natural product communications* 10.1 (2015): 1934578X1501000118.
1042. Papotti, G, Bertelli D, Plessi M, et al. Use of HR-NMR to classify propolis obtained using different harvesting methods. *Intern. J. Food Sci. Technol.*, 2010, 45, 8,1610-1618.
1043. Papotti, G., Bertelli, D., Bortolotti, L., et al. Chemical and functional characterization of Italian propolis obtained by different harvesting methods. *J. Agricult. Food Chem.*, 2012, 60(11), 2852-2862.
1044. Pavlovic, Radmila, et al. "Effectiveness of different analytical methods for the characterization of propolis: a case of study in Northern Italy." *Molecules* 25.3 (2020): 504.
1045. Pereira, Débora Tomazi, et al. "Effects of salinity on the physiology of the red macroalga, *Acanthophora spicifera* (Rhodophyta, Ceramiales)." *Acta Botanica Brasilica* 31.4 (2017): 555-565.
1046. Ping, Z., C. Jianqing, H. Fuliang, H. Yuanqiang, S. Qiaoyun. HPLC fingerprint graphs identification of different geographical origin of propolis and its authenticity. *Apiculture of China*, 2009, 60, 10.
1047. Pontis, J.A., da Costa, L.A.M.A., da Silva, S.J.R., Flach, A. Color, phenolic and flavonoid content, and antioxidant activity of honey from Roraima, Brazil, *Food, Sci. Technol.*, 2014, 34, 1, 69-73.
1048. Puc, Martina, et al. Maščobne kisline in olja kot glavna sestavina prehranskih dopolnil. Univerza v Ljubljani, Biotehniška fakulteta, 2018.
1049. Reyes Méndez, Laura María. Produção, caracterização e estudo da estabilidade de filmes à base de gelatina e extrato de própolis vermelha enriquecidos com óleos essenciais de manjeriço (*Ocimum basilicum*), cravo (*Syzygium aromaticum*) ou hortelã (*Mentha piperita*). Diss. Universidade de São Paulo.
1050. Ristivojević, Petar, et al. "Phenolic composition and biological activities of geographically different type of propolis and black cottonwood resins against oral streptococci, vaginal microbiota and phytopathogenic *Fusarium* species." *Journal of applied microbiology* 129.2 (2020): 296-310.
1051. Ristivojević, Petar, et al. "Poplar-type propolis: chemical composition, botanical origin and biological activity." *Natural product communications* 10.11 (2015): 1934578X1501001117.
1052. RIVERA, CRYSTEL ALEYVICK SIERRA, et al. "Applied Techniques for Extraction, Purification, and Characterization of Medicinal Plants Active Compounds." *Natural Products Chemistry: Biomedical and Pharmaceutical Phytochemistry* (2020): 155.
1053. Rivero-Cruz, B., & Martínez-Chávez, A. Development and validation of a RP-HPLC method

- for the simultaneous quantification of flavonoids markers in Mexican propolis. *Food Analytical Methods*, 2014, 1-7.
1054. Rivero-Cruz, Blanca, and Alejandra Martínez-Chávez. "Development and validation of a RP-HPLC method for the simultaneous quantification of flavonoids markers in Mexican propolis." *Food analytical methods* 8.2 (2015): 413-419.
 1055. Romas, K., L. Vyshnevskaya, and T. Zubchenko. "Study of phenolic composition of medicine in the form of androgenic action capsules." *Ukrainian biopharmaceutical journal* 2 (63) (2020): 66-70.
 1056. Saavedra, N., Barrientos, L., Herrera, C. et al. Efecto de propóleos chilenos sobre la bacteria cariogénica *Lactobacillus fermentum*. *Ciencia Investig. Agraria*, 2011, 38(1), 117-125.
 1057. Saeed, Farhan, et al. "Propolis to curb lifestyle related disorders: An overview." *International journal of food properties* 19.2 (2016): 420-437.
 1058. SAĞDIÇ, Osman, Salih Karasu, and Hamza GOKTAS. "Piyasada Satılan Ticari Propolis Örneklerinin Biyoaktif Bileşenlerinin Belirlenmesi." *Avrupa Bilim ve Teknoloji Dergisi* 19 (2020): 19-31.
 1059. SALCIDO GALLEGO, MÓNICA GUADALUPE. "Determinación de la actividad antibacteriana y antioxidante en propóleos de dos regiones de Sonora." (2010). <http://repositorioinstitucional.uson.mx/bitstream/handle/unison/2157/salcidogallegomonicaguadalupel.pdf?sequence=1&isAllowed=y>
 1060. Salvatori, Cinzia, et al. "Effectiveness of a Standardized Propolis Extract in Non-surgical Periodontal Therapy." (2021). DOI: <https://doi.org/10.21203/rs.3.rs-418104/v1>
 1061. Santos, Laerte M., et al. "Propolis: types, composition, biological activities, and veterinary product patent prospecting." *Journal of the Science of Food and Agriculture* 100.4 (2020): 1369-1382.
 1062. Schmidt, Éder C., et al. "Profiles of carotenoids and amino acids and total phenolic compounds of the red alga *Pterocladia capillacea* exposed to cadmium and different salinities." *Journal of Applied Phycology* 28.3 (2016): 1955-1963.
 1063. Seven, P.T., Yilmaz, S., Seven, I., & Kelestemur, G.T. The Effects of propolis in animals exposed oxidative stress. In: *Oxidative Stress—Environmental Induction and Dietary Antioxidants* (V. Lushchak, ed.), 2012, 267-288.
 1064. Shafik, Ansam. "Assessment of crude propolis as a direct pulp capping agent in primary and immature permanent teeth." *ENDO (Lond Engl)* 8.3 (2014): 199-206.
 1065. Siheri, Weam, et al. "The chemical and biological properties of propolis." *Bee products-chemical and biological properties*. Springer, Cham, 2017. 137-178.
 1066. Silici, Sibel. "Honeybee products and apitherapy." *Turkish Journal of Agriculture-Food Science and Technology* 7.9 (2019): 1249-1262.
 1067. SİLİCİ, Sibel. "Propolis üzerine ön klinik araştırmalar." *Erciyes Üniversitesi Fen Bilimleri Enstitüsü Fen Bilimleri Dergisi* 31.3 (2015): 185-191.
 1068. Simionatto, E., Facco, J.T., Morel, A.F., et al. Chiral analysis of monoterpenes in volatile oils from propolis. *J. Chilean Chem. Soc.*, 2012, 57(3), 1240-1243.
 1069. Simone, M.D. Colony-level immunity benefits and behavioral mechanisms of resin collection by honey bees. PhD Thesis, University of Minnesota, 2010.
 1070. Simone-Finstrom, Michael, and Marla Spivak. "Propolis and bee health: the natural history and significance of resin use by honey bees." *Apidologie* 41.3 (2010): 295-311. DOI 10.1051/apido/2010016
 1071. Soltani, El-khamsa. *Caractérisation et activités biologiques de substances naturelles, cas de la*

- propolis. Diss. 2018.
1072. Sorucu, Ali, and Hasan Hüseyin Oruç. "Determination of biologically active phenolic compounds in propolis by LC–MS/MS according to seasons and altitudes." *Journal of Food Measurement and Characterization* 13.3 (2019): 2461-2469.
 1073. Spulber, Roxana, et al. "Chemical diversity of polyphenols from bee pollen and propolis." *AgroLife Scientific Journal* 6.2 (2017): 183-194.
 1074. Suarez, H., Jiménez, Á., & Díaz, C. Determination of microbiological and sensory parameters of fish fillets with propolis preserved under refrigeration. *Revista MVZ Córdoba*, 19(3), 2014, 4214-4225
 1075. Sudarmadi, Sihwidhi Dimas. Pengaruh Ekstrak Ethanol Propolis terhadap Peningkatan Ekspresi Protein Bax dan Penurunan Proliferasi Sel pada Kultur Sel Kanker Payudara (Cell Line Mcf-7). Diss. UNS (Sebelas Maret University), 2017.
 1076. Suleman, Tasneem. The antimicrobial and chemical properties of South African propolis. Diss. 2016.
 1077. Truchado, P., López-Gálvez, F., Gil, M.I., Tomás-Barberán, F.A., Allende, A. *Food Chemistry* 115(4), 1337-1344 (2009)
 1078. Trujillo Celi, Cristian Fabián. Composición química de cinco muestras de propóleo del cantón Yantzaza de la provincia de Zamora Chinchipe. BS thesis. Machala: Universidad Técnica de Machala, 2015.
 1079. Ugrina, Teo. Utjecaj temperature na inhibiciju korozije bakra pomoću propolisa. Diss. University of Split. Faculty of Chemistry and Technology. Division of Engineering and Chemistry, 2016.
 1080. Hasanah, Khoirotunnisa Uswatun. "Uji Daya Antifungi Propolis Terhadap Candida albicans Dan Pityrosporum ovale." (2012).
 1081. Vargas Tapia, Eulalia. "Identificação da fonte botânica, caracterização química e avaliação das atividades biológicas das própolis coletadas no Peru." (2018). http://repositorio.unicamp.br/bitstream/REPOSIP/334302/1/Tapia_EulaliaVargas_D.pdf
 1082. Varoni M, E., Lodi, G., Sardella, A., et al. Plant polyphenols and oral health: old phytochemicals for new fields. *Curr. Med. Chem.*, 2012, 19(11), 1706-1720.
 1083. Veloz, J.J., Saavedra, N., Lillo, A., Alvear, M., Barrientos, L., Salazar, L.A. Antibiofilm Activity of Chilean Propolis on *Streptococcus mutans* Is Influenced by the Year of Collection. *BioMed Research International*, 2015, 2015, Article number 291351
 1084. Verdugo Torres, María Augusta, and Bruno Esteban Tola Álvarez. Capacidad antioxidante y composición química de varios extractos de propóleos de la zona sur del Ecuador. MS thesis. 2017.
 1085. Vlaia, Lavinia Lia, et al. "Preparation and Characterization of Inclusions Complexes between Propolis Ethanolic Extracts and 2-hydroxypropyl- β -cyclodextrin." *Rev. Chim.(Bucharest)* 67 (2016): 378.
 1086. Vránová, Tereza. "Antimikrobiální účinky extraktů řasy *Chlorella sorokiniana* vůči bakterii *Paenibacillus larvae*." 2017
 1087. Wang, K., Ping, S., Huang, S., et al. Molecular mechanisms underlying the in vitro anti-inflammatory effects of a flavonoid-rich ethanol extract from chinese propolis (poplar type). *Evidence-Based Complementary and Alternative Medicine*, 2013, art. no. 127672, ISSN: 1741-427X
 1088. Xue, Feng, et al. "Future Foods." Volume 3, June 2021, 100033 "Physicochemical properties of chitosan/zein/essential oil emulsion-based active films functionalized by polyphenols"
 1089. Yuniarto, Haryono. Pengaruh Ekstrak Ethanol Propolis Terhadap Ekspresi Protein Bcl2,

Cyclin D1 dan Apoptosis pada Kultur Sel Kanker Kolon. Diss. UNS (Sebelas Maret University), 2016.

1090. Yusop, Syed Ahmad Tarmizi Wan, et al. "Antioxidant, antimicrobial and cytotoxicity activities of propolis from Beladin, Sarawak stingless bees *Trigona itama* extract." *Materials Today: Proceedings* 19 (2019): 1752-1760.
1091. Zhao, Y., Tian, W., & Peng, W. Anti-proliferation and insulin resistance alleviation of hepatocellular carcinoma cells HepG2 in vitro by Chinese propolis. *J. Food Nutrition Res.*, 2014, 2(5), 228-235.
1092. Zhou, Y., M. Lai. Surface methodology based on the response to optimize propolis ethanol extraction process. *Chinese Agricult. Sci. Technol.*, 2012, 14 (3), 85-93.
1093. Кайгородов, Р. Биохимические особенности растительных источников прополиса умеренной природной зоны. *Вестник Пермского университета. Серия: биология*, 2013, (3), 65-68.
1094. Кайгородов, Роман Владимирович, Ольга Александровна Малькова, and Юлия Витальевна Кайгородова. "Суммарное содержание фенольных соединений в прополисе разного ботанико-географического происхождения." *Евразийский союз ученых* 5-7 (14) (2015).
1095. Кайгородов, Роман, Ольга Александровна Малькова, and Юлия Витальевна Кайгородова. "Тестирование антиоксидантных свойств спиртовых экстрактов прополиса с использованием липосомной модели." *Educatio* 4 (11)-3 (2015).
1096. Мухидинов, Зайниддин Камарович, Сураё Рахматжоновна Усманова, and Фируза Юсуфовна Насырова. "Перспективы изучения прополиса в Таджикистане." *Вестник Авиценны* 19.3 (2017).

86). Popova M., Dimitrova R., Al-Lawati H.T., Tsvetkova I., NAJDENSKI H., Bankova V. Omani propolis: chemical profiling, antibacterial activity and new propolis plant sources. *Chemistry Central Journal* 2013, 7:158 doi:10.1186/1752-153X-7-158 (IF - 1.31)

1097. Albokhadaim, Ibrahim. "Influence of dietary supplementation of propolis on hematology, biochemistry and lipid profile of rats fed high cholesterol diet." *Journal of Advanced Veterinary and Animal Research* 2.1 (2015): 56-63.
1098. Al-Ghamdi, Ahmad A., et al. "Chemical compositions and characteristics of organic compounds in propolis from Yemen." *Saudi journal of biological sciences* 24.5 (2017): 1094-1103.
1099. Al-Lawati, Hassan Talib, Hajar Ibrahim Salim Al-Ajmi, and Mostafa I. Waly. "Antioxidant and health properties of beehive products against oxidative stress-mediated carcinogenesis." *Bioactive Components, Diet and Medical Treatment in Cancer Prevention*. Springer, Cham, 2018. 97-103.
1100. Alvaro, Matson Robles, Herrera Herrera Alejandra, and Díaz Caballero Antonio. "In vitro Antibacterial Activity of *Maclura tinctoria* and *Azadirachta indica* against *Streptococcus mutans* and *Porphyromonas gingivalis*." *Journal of Pharmaceutical Research International* (2015): 291-298.
1101. Avula, Bharathi, et al. "Quantification and characterization of phenolic compounds from northern Indian propolis extracts and dietary supplements." *Journal of AOAC International* 103.5 (2020): 1378-1393.
1102. Badiazaman, Ainur Awanis Mohd, et al. "Phytochemical screening and antioxidant properties of stingless bee *Geniotrigona thoracica* propolis." *Malaysian Journal of Fundamental and Applied Sciences* 15.2-1 (2019): 330-335.
1103. Bhuyan, Deep Jyoti, et al. "Broad-spectrum pharmacological activity of Australian propolis and metabolomic-driven identification of marker metabolites of propolis samples from three

- continents." *Food & Function* 12.6 (2021): 2498-2519.
1104. Buahorm, S., Puthong, S., Palaga, T., Lirdprapamongkol, K., Phuwapraisirisan, P., Svasti, J., & Chanchao, C. (2015). Cardanol isolated from Thai *Apis mellifera* propolis induces cell cycle arrest and apoptosis of BT-474 breast cancer cells via p21 upregulation. *DARU Journal of Pharmaceutical Sciences*, 23(1), 1.
 1105. Calimag, Katrina Paz D., et al. "Attenuation of carrageenan-induced hind paw edema and plasma TNF- α level by Philippine stingless bee (*Tetragonula biroi* Friese) propolis." *Experimental Animals* (2020): 20-0118.
 1106. Carol, Domgnim Mokam Elisabeth, et al. "GC-MS characterization and antiulcer properties of the triterpenoid fraction from propolis of the north west region of Cameroon." *Journal of Scientific Research and Reports* (2017): 1-18.
 1107. Cortes, M. E. "In vitro antimicrobial activity and biocompatibility of propolis containing nanohydroxyapatite." *Nanohydroxyapatite-based antibacterial surfaces to prevent biofilm associated biomaterials bone infection* (2015): 113.
 1108. da Silva, Caroline Cristina Fernandes, et al. "Chemical characterization, antioxidant and anti-HIV activities of a Brazilian propolis from Ceará state." *Brazilian Journal of Pharmacognosy* 29.3(2019): 309-318.
 1109. de Figueiredo, S.M, A Nogueira-Machado, J., de M Almeida, B., et al. Immunomodulatory properties of green propolis. *Recent Patents on Endocrine, Metabolic & Immune Drug Discovery*, 2014, 8(2), 85-94.
 1110. Dezmirean, Daniel S., et al. "Influence of geographic origin, plant source and polyphenolic substances on antimicrobial properties of propolis against human and honey bee pathogens." *Journal of Apicultural Research* 56.5 (2017): 588-597.
 1111. do Nascimento, Ticiano Gomes, et al. "Comprehensive multivariate correlations between climatic effect, metabolite-profile, antioxidant capacity and antibacterial activity of Brazilian red propolis metabolites during seasonal study." *Scientific Reports* 9.1 (2019): 18293
 1112. Farooqui, Tahira, and Akhlaq A. Farooqui. "Apitherapy: therapeutic effects of propolis on neurological disorders." *Neuroprotective Effects of Phytochemicals in Neurological Disorders* (2017): 335-358.
 1113. Fatima, Jamali, Baserisalehi Majid, and Bahador Nima. "Antimicrobial activity and chemical screening of propolis extracts." *American Journal of Life Sciences* 2.2 (2014): 72-75.
 1114. Grenho, L., Barros, J., Ferreira, C., Santos, V.R., Monteiro, F.J., Ferraz, M.P., Cortes, M.E In vitro antimicrobial activity and biocompatibility of propolis containing nanohydroxyapatite *Biomedical Materials* (Bristol) 2015, 10, Article number 025004
 1115. HAKKIM, FARUCK LUKMANUL, JACKSON ACHANKUNJU, and SYED SIKANDER HASAN. "In vitro DPPH radical scavenging and anti-bacterial activity of oman's cymbopogon." *J Ethnopharmacol* 72 (2000): 191-205.
 1116. Hasan, A. E. Z., Ambarsari, L., Widjaja, W. K., & Prasetyo, R. Potency of Nanopropolis Stinglessbee *Trigona* spp Indonesia as Antibacterial Agent. *IOSR J. Pharm.*, 2014, 4, 12, 1-9.
 1117. Herrera-López, Mercedes G., et al. "Resorcinolic Lipids from Yucatecan Propolis." *Journal of the Brazilian Chemical Society* 31.1 (2020): 186-192.
 1118. Iftikhar, Farida, and Rashid Mahmood. "Propolis an Antibacterial Agent Against Clinical Isolates of Wound Infection." (2015).
 1119. Kardar, M.N., Zhang, T., Coxon, G.D., et al. Characterisation of triterpenes and new phenolic lipids in Cameroonian propolis. *Phytochemistry*, 2014, 106, 156-163.
 1120. King, Douglas Iain. "Kangaroo Island Propolis: Improved Characterisation and Assessment

- of Chemistry and Botanical Origins through Metabolomics." (2017).
1121. Kubina, R., Kabała-Dzik, A., Dziedzic, A., Bielec, B., Wojtyczka, R.D., Bułdak, R.J., Wyszynska, M., Stawiarska-Pięta, B., Szaflarska-Stojko, E. The ethanol extract of polish propolis exhibits anti-proliferative and/or pro-apoptotic effect on HCT 116 colon cancer and Me45 Malignant melanoma cells in vitro conditions *Advances in Clinical and Experimental Medicine* 2015, 24, 2, 203-212
 1122. M de Figueiredo, Sonia, et al. "Immunomodulatory properties of green propolis." *Recent patents on endocrine, metabolic & immune drug discovery* 8.2 (2014): 85-94.
 1123. Massaro, Carmelina F. Antibacterial natural products of propolis and honeys from Australian stingless bees (*Tetragonula carbonaria*). Diss. University of the Sunshine Coast, Queensland, 2014.
 1124. Massaro, Carmelina Flavia, et al. "Chemical composition and antimicrobial activity of honeybee (*Apis mellifera ligustica*) propolis from subtropical eastern Australia." *The Science of Nature* 102.11 (2015): 1-11.
 1125. Maureira, Natalia, et al. "Susceptibilidad de Cepas de Candida Oral a Extracto Etanólico del Propóleo Chileno de Olmué." *International journal of odontostomatology* 11.3 (2017): 295-303.
 1126. Moghim, Hassan, et al. "Comparative study on the antifungal activity of hydroalcoholic extract of Iranian Propolis and Royal jelly against *Rhizopus oryzae*." *Journal of Herbmed Pharmacology* 4.3 (2015): 89-92.
 1127. Morales Muñoz, Héctor. "Perfil de HPLC, RMN y actividad biológica de extractos etanólicos de geopropóleos de abejas meliponas de la Región Centro de Veracruz." (2015).
 1128. Mukaide, Kazuma, et al. "Prenylflavonoids from propolis collected in Chiang Mai, Thailand." *Phytochemistry Letters* 43 (2021): 88-93.
 1129. Negri, Giuseppina, et al. "Cardanols detected in non-polar propolis extracts from *Scaptotrigona aff. postica* (Hymenoptera, Apidae, Meliponini)." *Brazilian Journal of Food Technology* 22 (2019).
 1130. Nouredine, Hiba, et al. "Chemical characterization and cytotoxic activity evaluation of Lebanese propolis." *Biomedicine & Pharmacotherapy* 95 (2017): 298-307.
 1131. Nyandwi, Ramadhan, et al. "Determination and Quantification of Gallic Acid in Raw Propolis by High-performance Liquid Chromatography–Diode Array Detector in Burundi." *East Africa Science* 1.1 (2019): 43-48.
 1132. Osés, Sandra M., et al. "Design of a food product composed of honey and propolis." *Journal of Apicultural Research* 54.5 (2015): 461-467.
 1133. Oyagbemi, Ademola Adetokunbo, et al. "Protective effect of *Azadirachta indica* and vitamin E against arsenic acid-induced genotoxicity and apoptosis in rats." *Journal of dietary supplements* 15.3 (2018): 251-268.
 1134. Oyagbemi, Ademola Adetokunbo, et al. "Protective Effect of *Azadirachta indica* and Vitamin E Against Arsenic Acid-Induced Genotoxicity and Apoptosis in Rats." *Journal of dietary supplements* (2017): 1-18.
 1135. Peixoto, Marta, et al. "Antioxidant and antimicrobial activity of blends of propolis samples collected in different years." *LWT* 145 (2021): 111311.
 1136. Pratami, Diah Kartika, et al. "Phytochemical profile and antioxidant activity of propolis ethanolic extract from *tetragonula* bee." *Pharmacognosy Journal* 10.1 (2018): 128-135.
 1137. Przybyłek, Izabela, and Tomasz M. Karpieński. "Antibacterial Properties of Propolis." *Molecules* 24.11 (2019): 2047.
 1138. Rebiai, A., et al. "FATTY ACID COMPOSITION OF ALGERIAN PROPOLIS." *Journal of Fundamental and Applied Sciences* 9.3 (2017): 1656-1671.

1139. Salama, S. F., and A. A. Hassan. "Effect of Egyptian propolis extract as an adjuvant with irradiated cancer vaccine against Ehrlich ascites carcinoma in mice." *Egypt J Radiat Sci Appl* 27 (2014): 1-15.
1140. Sanpa, Sirikarn, et al. "Chemical Profiles and Antimicrobial Activities of Thai Propolis Collected from *Apis mellifera*."
1141. Schmidt E., Stock D., Chada F. J., Finger D., Sawaya A. H. C. F., Eberlin M.N., Felsner M.L., Quin  ia S.P., Monteiro M.Ch., Torres Y.A Comparison between characterization and biological properties of Brazilian fresh and aged propolis. *BioMed Research International*, 2014, Article ID 257617, 10 pages
1142. Schmidt, Eduardo Morgado, et al. "A comparison between characterization and biological properties of Brazilian fresh and aged propolis." *BioMed research international* 2014 (2014).
1143. Selvaraj, Rajini, et al. "PHYTOCHEMICAL PROFILING AND ANTIBACTERIALACTIVITY OF PROPOLIS" *INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH* (2018).
1144. Siheri, Weam, et al. "Chemical and antimicrobial profiling of propolis from different regions within Libya." *PLoS One* 11.5 (2016).
1145. Silva-Carvalho, R., Baltazar, F., Almeida-Aguiar, C. Propolis: A Complex Natural Product with a Plethora of Biological Activities That Can Be Explored for Drug Development Evidence-based Complementary and Alternative Medicine 2015, Article number 206439
1146. Silva-Carvalho, Ricardo, F  tima Baltazar, and Cristina Almeida-Aguiar. "Propolis: a complex natural product with a plethora of biological activities that can be explored for drug development." *Evidence-Based Complementary and Alternative Medicine* (2015).
1147.    Sturm, Luka, and Nata  a Poklar Ulrih. "Advances in the Propolis Chemical Composition between 2013 and 2018: A Review." *eFood* 1.1 (2019): 24-37.
1148. Suleman, T, van Vuuren, S., Sandasi, M., Viljoen, A.M. Antimicrobial activity and chemometric modelling of South African propolis *Journal of Applied Microbiology* 2015, 119, 4, 981-990.
1149. Suleman, Tasneem. The antimicrobial and chemical properties of South African propolis. Diss. 2016.
1150. Talla, Emmanuel, et al. "New mono-ether of glycerol and triterpenes with DPPH radical scavenging activity from Cameroonian propolis." *Natural product research* 31.12 (2017): 1379-1389.
1151. Talom, Benjamin Tangu  , et al. "Antibacterial Activities of some Medicinal Plants Used for Treatment of Infectious Diseases in the Vina and Mayo-Louti Divisions of Cameroon." *European Journal of Medicinal Plants* (2018): 1-13.
1152. Tamfu, A. N., et al. "A new isoflavonol and other constituents from Cameroonian propolis and evaluation of their anti-inflammatory, antifungal and antioxidant potential " *Journal of Natural Products and Resources*. (2020)
1153. Tatli Seven, Pinar, et al. "Nanotechnology and nano-propolis in animal production and health: an overview." *Italian Journal of Animal Science* 17.4 (2018): 921-930.
1154. Tran, Trong D., et al. "Lessons from exploring chemical space and chemical diversity of propolis components." *International journal of molecular sciences* 21.14 (2020): 4988., 1-35.
1155. WALI, ADIL F., et al. "BEE PROPOLIS (BEE'S GLUE): A PHYTOCHEMISTRY REVIEW." *Journal of Critical Reviews* 4.4 (2017).
1156. Wali, Adil Farooq, et al. "In vitro antioxidant and antimicrobial activities of propolis from Kashmir Himalaya region." *Free radicals and antioxidants* 6.1 (2016): 51-57.

1157. Wang, Xiangyun, et al. "Determination of 14 Lipophilic Pesticide Residues in Raw Propolis by Selective Sample Preparation and Gas Chromatography–Tandem Mass Spectrometry." *Food Analytical Methods* 13.9 (2020): 1726-1735.
1158. Xu, Xiaolan, et al. "Chemical Compositions of Propolis from China and the United States and their Antimicrobial Activities Against *Penicillium notatum*." *Molecules* 24.19 (2019): 3576.
1159. Xu, Xiaolan, et al. "The Chemical Composition of Brazilian Green Propolis and Its Protective Effects on Mouse Aortic Endothelial Cells against Inflammatory Injury." *Molecules* 25.20 (2020): 4612.
1160. Zabaïou, Nada, et al. "Biological properties of propolis extracts: Something new from an ancient product." *Chemistry and Physics of Lipids* (2017).
1161. Zagmutt, Sebastián, et al. "Protective effect of propolis extract on pancreatic β Cell under oxidative stress in vitro." *J. Food Nutr. Res* 4 (2016): 400-407.
1162. Zeitoun, Rawan, et al. "Chemical Composition, Antioxidant and Anti-inflammatory Activity Evaluation of the Lebanese Propolis Extract." *Current pharmaceutical biotechnology* 20.1 (2019): 84-96.

87). Petrova, A., M. Popova, C. Kuzmanova, I. Tsvetkova, H. NAYDENSKI, E. Muli, V. Bankova. New biologically active compounds from Kenyan propolis, *Fitoterapia*, 2010, 81, 6, 509-514. ISSN: 0367-326X. IF 1.36

1163. Abdou, H.S., Salah, S.H., Boolesand, H.F., et al. Effect of pomegranate pretreatment on genotoxicity and hepatotoxicity induced by carbon tetrachloride (CCl₄) in male rats. *J. Med. Plants Res.*, 6 (17), 2012, 3370-3380.
1164. Abu-Mellal, A., Koolaji, N., Duke, R.K., et al. Prenylated cinnamate and stilbenes from Kangaroo Island propolis and their antioxidant activity. *Phytochem.*, 77, 2012, 251-259.
1165. Al Bratty, Mohammed, et al. "Chemical Characterization and in-vitro Antimicrobial Screening of Ethanolic Extract of Propolis Collected from Jazan, Saudi Arabia." *Pakistan Journal of Zoology* 52.1 (2020): 121-130.
1166. Ali M. T., Blicharska N., Shilpi J. A., Seidel V. (2018). Investigation of the anti-TB potential of selected propolis constituents using a molecular docking approach. *Sci. Rep.*, 8 (1), 12238, 2018
1167. Almutairi, S., Eapen, B., Chundi, S.M., et al. New anti-trypanosomal active prenylated compounds from African propolis. *Phytochemistry Letters.*, 2014, 10, 35-39.
1168. Almutairi, S., Edrada-Ebel, R., Fearnley, J., Igoli, J. O., Alotaibi, W., Clements, C. J., & Watson, D. G. Isolation of diterpenes and flavonoids from a new type of propolis from Saudi Arabia. *Phytochemistry Letters*, 2014, 10, 160-163.
1169. Asfaram, Shabnam, et al. "Promising Anti-Protozoan Activities of Propolis (Bee Glue) as Natural Product: A Review." *Acta Parasitologica* (2020): 1-12.
1170. Avula, Bharathi, et al. "Quantification and characterization of phenolic compounds from northern Indian propolis extracts and dietary supplements." *Journal of AOAC International* 103.5 (2020): 1378-1393.
1171. Campos, Viviane Aparecida Costa, et al. "Antibacterial activity of propolis produced by *Frieseomelitta varia*." *Ciência e Agrotecnologia* 35.6 (2011): 1043-1049.
1172. Celik, T.A. Potential genotoxic and cytotoxic effects of plant extracts, a compendium of assays on alternative therapy. Dr. Arup Bhattacharya (Ed.), 2012, ISBN 978-953-307-863-2
1173. Cooper, Rose. "Natural Products." Russell, Hugo & Ayliffe's: Principles and Practice of Disinfection, Preservation and Sterilization (2013): 550-564.
1174. Cornara, Laura, et al. "Therapeutic properties of bioactive compounds from different honeybee products." *Frontiers in pharmacology* 8 (2017): 412.

1175. Curifuta, M., Vidal, J., Sánchez-Venegas, J., et al. The in vitro antifungal evaluation of a commercial extract of Chilean propolis against six fungi of agricultural importance. *Cien. Inv. Agr.*, 2012, 39 (2), 347-359.
1176. De Groot, A.C. Propolis: A review of properties, applications, chemical composition, contact allergy, and other adverse effects, *Dermatitis*, 6, 24, 2013, 263-282.
1177. El-Bassiony, TA; Saad NM, El-Zamkan MA. Study on the antimicrobial activity of ethanol extract of propolis against enterotoxigenic methicillin-resistant staphylococcus aureus in lab prepared ice-cream. *Vet. World*, 2012, 5 (3), 155-159.
1178. El-Mossalami, H., and Y. A. Abdel-Hakeim. "Using of Propolis Extract as a Trial to Extend the Shelf-life and Improving the Quality Criteria of Fresh Egyptian Sausage." *Assiut Vet. Med. J* 59.139 (2013): 23-33.
1179. Falcão, Soraia Isabel Domingues Marcos. "Chemical Composition of Portuguese Propolis. Bioactive Properties." (2013).
1180. Fasolo, Daniel, et al. "Determination of benzophenones in lipophilic extract of Brazilian red propolis, nanotechnology-based product and porcine skin and mucosa: Analytical and bioanalytical assays." *Journal of pharmaceutical and biomedical analysis* 124 (2016): 57-66.
1181. Hamilton, Karina D., et al. "Natural products isolated from *Tetragonula carbonaria* cerumen modulate free radical-scavenging and 5-lipoxygenase activities in vitro." *BMC complementary and alternative medicine* 17.1 (2017): 232.
1182. Harmalkar D. S., Mali J. R., Sivaraman A., Choi Y., Lee K. Schweinfurthins A–Q: isolation, synthesis, and biochemical properties. *RSC Advances*, 8 (38), 21191-21209, 2018.
1183. Huang, Shuai, et al. "Recent advances in the chemical composition of propolis." *Molecules* 19.12 (2014): 19610-19632.
1184. Huang, Z.C., & Hu, F. Progress study the chemical composition of propolis (2008-2012). *Nat. Prod. Res. Developm.*, 2013, 25(8), 1146-1153
1185. İlknur, U. Ç. A. K. "Influence of propolis extract on microbiological and sensory quality of rainbow trout fillets." *Eurasian Journal of Food Science and Technology* 2.2 (2019): 93-103.
1186. Jerz, G., Elnakady, Y.A., Braun, A., et al. Preparative mass-spectrometry profiling of bioactive metabolites in Saudi-Arabian propolis fractionated by high-speed countercurrent chromatography and off-line atmospheric pressure chemical ionization mass-spectrometry injection. *Journal of Chromatography A*, 2014, 1347, 17-29.
1187. Jerz, Gerold, et al. "Preparative mass-spectrometry profiling of bioactive metabolites in Saudi-Arabian propolis fractionated by high-speed countercurrent chromatography and off-line atmospheric pressure chemical ionization mass-spectrometry injection." *Journal of Chromatography A* 1347 (2014): 17-29.
1188. Kardar, M. N., et al. "Characterisation of triterpenes and new phenolic lipids in Cameroonian propolis." *Phytochemistry* 106 (2014): 156-163.
1189. Kasiotis, K. M. Propolis non-volatile constituents: A Review. *Hygeia J. Drugs Med.*, 2014, 6, 12, 111-121.
1190. Kenji, S., N. Takaaki. Alternative medicine safety: *Agaricus blazei* and Propolis. *Comb. Chem. & High Throughput Screen.*, 2011, 14, 7, 616-621.
1191. King, Douglas Iain. "Kangaroo Island Propolis: Improved Characterisation and Assessment of Chemistry and Botanical Origins through Metabolomics." (2017).
1192. Kinghorn, A. Douglas, et al., eds. Progress in the chemistry of organic natural products. Cham, Switzerland: Springer, 2017.
1193. Massaro, C.F., Katouli, M., Grkovic, T., et al. Anti-staphylococcal activity of C-methyl

- flavanones from propolis of Australian stingless bees (*Tetragonula carbonaria*) and fruit resins of *Corymbia torelliana* (Myrtaceae). *Fitoterapia*, 2014, 95, 247-257.
1194. Matoso, Leonardo Magela Lopes, and Mônica Betania Lopes Matoso. "Extrato de Própolis no Combate ao COVID-19: um Relato de Experiência em Nível da Atenção Básica em Saúde." *UNICIÊNCIAS* 24.1 (2020): 94-103.
 1195. Moosavi MR. Nematicidal effect of some herbal powders and their aqueous extracts against *meloidogyne javanica*. *Nematropica*, 2012, 42 (1), 48-56.
 1196. Nedji, N., & Loucif-Ayad, W. Antimicrobial activity of Algerian propolis in foodborne pathogens and its quantitative chemical composition. *Asian Pacific J. Trop. Dis.*, 2014, 4(6), 433-437
 1197. Nweze, Nwakaego E., et al. "Effects of Nigerian red propolis in rats infected with *Trypanosoma brucei brucei*." *Comparative Clinical Pathology* 26.5 (2017): 1129-1133.
 1198. Nyandwi, Ramadhan, et al. "Determination and Quantification of Gallic Acid in Raw Propolis by High-performance Liquid Chromatography–Diode Array Detector in Burundi." *East Africa Science* 1.1 (2019): 43-48.
 1199. Okhale, S. E., et al. "Bee propolis: Production optimization and applications in Nigeria." *Journal of Pharmacognosy and Phytotherapy* 13.1 (2021): 33-45.
 1200. Oliveira, Samuel Catalino. "Relatório de Estágio realizado na Farmácia Santo António." (2017).
 1201. Omar, Ruwida MK, et al. "Chemical characterisation of Nigerian red propolis and its biological activity against *Trypanosoma brucei*." *Phytochemical Analysis* 27.2 (2016): 107-115.
 1202. Oryan A., Alemzadeh E., Moshiri A. (2018). Potential role of propolis in wound healing: Biological properties and therapeutic activities. *Biomed. Pharmacother.*, 98, 469-483, 2018.
 1203. Paul, S., Emmanuel, T., Matchawe, C., et al. Pentacyclic triterpenes and crude extracts with antimicrobial activity from Cameroonian brown propolis samples. *J. Appl. Pharm. Sci.*, 2014, 4, 7, doi: 10.7324/JAPS.2014.40701
 1204. Paula, V.M.B. Caracterização química e biológica do própolis da “serra de Bornes” por TLC. MS Thesis, Instituto Politecnico de Braganca, 2012.
 1205. Rivera-Yañez, Nelly, et al. "Biomedical Properties of Propolis on Diverse Chronic Diseases and Its Potential Applications and Health Benefits." *Nutrients* 13.1 (2021): 78.
 1206. Robles-Zepeda, Ramón Enrique, et al. "Botanical origin and biological activity of propolis." *Medicinal plants: Biodiversity and drugs*. 1st ed. New York: CRC Press, Taylor & Francis Group (2012): 570-597.
 1207. Rodríguez, Y., Sánchez-Catalán, F., Rojano, B., et al. Physicochemical characterization and evaluation of antioxidant activity of propolis collected in the Atlántic department, Colombia. *Revista UDCA Actualidad & Divulgación Científica*, 2012, 15(2), 303-311.
 1208. Salatino A.; C. Fernandes-Silva, A. R. Adne, et al. Propolis research and the chemistry of plant products. *Nat. Prod. Rep.*, 2011, 28, 5, 925-936.
 1209. Sami, Bawazeer, et al. "Isolation of Isosativan from Nigerian Red Propolis." *Tropical Journal of Natural Product Research*. (2020): 4 (3): 77-79.
 1210. Santos-Buelga, Celestino, and Ana M. González-Paramás. "Phenolic Composition of Propolis." *Bee Products-Chemical and Biological Properties*. Springer, Cham, 2017. 99-111.
 1211. Sari, Liza M., et al. "Acute and Sub-Chronic Toxicity Studies on the Methanol Leaf Extract of *Leptadenia hastata* in Wistar Rats" *Tropical Journal of Natural Product Research*. (2019).
 1212. Shahinozzaman, Md, Diana N. Obanda, and Shinkichi Tawata. "Chemical composition and pharmacological properties of Macaranga-type Pacific propolis: A review." *Phytotherapy Research*

(2020). in press

1213. Siheri, W., Ebiloma, G. U., Igoli, J. O., Gray, A. I., Biddau, M., Akrachalanont, P., ... & Lawrence, C. E. (2019). Isolation of a novel flavanonol and an alkylresorcinol with highly potent anti-trypanosomal activity from Libyan propolis. *Molecules*, 24(6), 1041.
1214. Silva, Fernanda Geny Calheiros, et al. "Alimentos, Nutracêuticos e Plantas Medicinais Utilizados como Prática Complementar no Enfrentamento dos Sintomas do Coronavírus (Covid-19): Uma Revisão." (2020).
1215. Silva, Henrique, et al. "The Cardiovascular Therapeutic Potential of Propolis—A Comprehensive Review." *Biology* 10.1 (2021): 27.
1216. Silva-Carvalho, R., Baltazar, F., & Almeida-Aguiar, C. (2015). *Propolis: A Complex Natural Product with a Plethora of Biological Activities That Can Be Explored for Drug Development. Evidence-Based Complementary and Alternative Medicine*, 2015.
1217. Sorimachi, K., & Nakamoto, T. *Alternative medicine safety: Agaricus blazei and propolis. Combinatorial Chemistry & High Throughput Screening*, 2011, 14(7), 616-621.
1218. Suleman, T., Vuuren, S., Sandasi, M., & Viljoen, A. M. (2015). Antimicrobial activity and chemometric modelling of South African propolis. *Journal of applied microbiology*, 119(4), 981-990.
1219. Talla, Emmanuel, et al. "Phytochemical screening, antioxidant activity, total polyphenols and flavonoids content of different extracts of propolis from Tekel (Ngaoundal, Adamawa region, Cameroon)." *The Journal of Phytopharmacology* 3.5 (2014): 321-329.
1220. Tamas-Krumpe, Octavia, et al. "Evaluation of the therapeutic potential of some apicultural products with essential oils for cutaneous wounds in cats and dogs." (2019).
1221. Tamfu, A. N., et al. "A new isoflavonol and other constituents from Cameroonian propolis and evaluation of their anti-inflammatory, antifungal and antioxidant potential" *Journal of Natural Products and Resources*.
1222. Tamfu, Alfred Ngege, et al. "A new isoflavonol and other constituents from Cameroonian propolis and evaluation of their anti-inflammatory, antifungal and antioxidant potential." *Saudi Journal of Biological Sciences* 27.6 (2020): 1659-1666.
1223. Toreti VC., Sato HH., Pastore GM., Park YK. Recent progress of propolis for its biological and chemical compositions and its botanical origin. *Evidence-based Complementary and Alternative Medicine*, 2013, art. no. 697390, ISSN: 1741-427X
1224. Tran, Trong D., et al. "Lessons from exploring chemical space and chemical diversity of propolis components." *International journal of molecular sciences* 21.14 (2020): 4988.
1225. Tylkowski, Bartosz, et al. "Concentration and fractionation of polyphenols by membrane operations." *Current pharmaceutical design* 23.2 (2017): 231-241.
1226. Ugariogu, Sylvester N., et al. "Tropical Journal of Natural Product Research." (2020).
1227. WALI, ADIL F., et al. "BEE PROPOLIS (BEE'S GLUE): A PHYTOCHEMISTRY REVIEW." *Journal of Critical Reviews* 4.4 (2017).
1228. Wang, Q., Xue, X., Zhao, J. Application of mass spectrometry detection technology in honey traceability. *J. Agric. Sci. Technol.*, 2013, 15(4), 42-47.
1229. Yan S, Zhang H-C, Dong J. Analysis of key aroma-active components of propolis and poplar tree gum, *Food Science*, 2012,33 (04), 157-161.
1230. Yusop, Syed ATW, et al. "Cytotoxicity and Antimicrobial Activity of Propolis from *Trigona itama* Stingless Bees against *Staphylococcus aureus* and *Escherichia coli*." *Indonesian Journal of Pharmaceutical Science and Technology* 1.1 (2018): 13-20.
1231. Zabaïou, Nada, et al. "Biological properties of propolis extracts: Something new from an

ancient product." *Chemistry and Physics of Lipids* (2017).

1232. Zainullin R. A., Kunakova R. V., Gareev V. F., Galyautdinov I. V., Sadretdinova Z. R., Muslimov Z. S., Odinkov V. N. Flavanones and Flavones from Bashkir Propolis. *Chem. Nat. Compd.*, 54 (5), 975-977, 2018
1233. Zhang , C., & Hu, F. Study abroad of propolis: overview 2010. *Bee Mag.*, 2011, 31 (7), 5-8.
1234. Zhang , C., P.S. Huang, & Hu, F. Study of the geographical origin of propolis, plant origin and chemical composition. *Chinese Pharm. J.*, 2013, 48, 1889-1892.
1235. Zhang J-L., Wang K., Hu F-L. Advance in studies on antioxidant activity of propolis and its molecular mechanism. *Zhongguo Zhongyao Zazhi*, 2013, 16, 38, 2645-2652.
1236. Zhang, J., Chen, J., Liang, Z., & Zhao, C. New lignans and their biological activities. *Chemistry & Biodiversity*, 2014, 11(1), 1-54.
1237. Zhang, Jianglin, et al. "Antioxidant activities and molecular mechanisms of the ethanol extracts of *Baccharis propolis* and *Eucalyptus propolis* in RAW64. 7 cells." *Pharmaceutical biology* 54.10 (2016): 2220-2235.
1238. Zhang, T., Omar, R., Siheri, W., et al. Chromatographic analysis with different detectors in the chemical characterisation and dereplication of African propolis. *Talanta*, 2014, 120, 181-190.

88). NAJDENSKI, H., L . Gigova , I . Iliev , P . Pilarski , J . Lukavsk ý, I . Tsvetkova , M . Ninova and V . Kusssovski . Antibacterial and antifungal activity of selected microalgae and cyanobacteria. *Int . J. Food Sci. Technol.*, 2013, 48, 7, 1533-1540.

1239. Abd Ali, Ghaidaa H. "Biofilm Inhibitory Potential of *Westiellopsis prolifica* Extract Against Some Pathogenic Microorganisms." *Engineering and Technology Journal* 37.1 Part C (2019).
1240. Acién Fernández, Francisco Gabriel, Cintia Gómez-Serrano, and José María Fernández-Sevilla. "Recovery of nutrients from wastewaters using microalgae." *Frontiers in Sustainable Food Systems* 2 (2018): 59.
1241. Acurio L. P., Salazar D. M., Valencia A. F., Robalino D. R., Barona A. C., Alvarez F. C., Rodriguez C. A. Antimicrobial potential of *Chlorella* algae isolated from stacked waters of the Andean Region of Ecuador. In *IOP Conf Ser Earth Environ Sci*, 151 (1), 012040, 2018
1242. Adikaram, Chamila Priyangani. "Overview of Non Tuberculosis Mycobacterial Lung Diseases." *Mycobacterium: Research and Development* 257 (2018).
1243. Afreen S., Fatma T. (2018). Extraction, purification and characterization of phycoerythrin from *Microchaete* and its biological activities. *Biocatal. Agric. Biotechnol.*, 13, 84-89, 2018.
1244. Afreen, Sumbul, and Tasneem Fatma. "Extraction, purification and characterization of phycoerythrin from *Microchaete* and its biological activities." *Biocatalysis and agricultural biotechnology* 13 (2018): 84-89.
1245. Akhoundian, Maryam, and Seyed Danial Mirhasannia. "Microalgal Biodiversity as a Biotechnology and Environmental Potential." *Human & Environment* 15.2 (2017): 39-70.
1246. Ali, Imane HAMOUDA, and Amel Doumandji. "Comparative phytochemical analysis and in vitro antimicrobial activities of the cyanobacterium *Spirulina platensis* and the green alga *Chlorella pyrenoidosa*: potential application of bioactive components as an alternative to infectious diseases." *Bulletin de l'Institut Scientifique, Rabat, Section Sciences de la Vie* 39 (2017): 41-49.
1247. Alsenani, Faisal, et al. "Evaluation of microalgae and cyanobacteria as potential sources of antimicrobial compounds." *Saudi Pharmaceutical Journal* (2020). in press
1248. Al-Tmimi S. L. Antibiofilm Activity of Intracellular Extracts of *Westiellopsis prolifica* Isolated From Local Environment in Baghdad. *J. Global Pharm. Technol.*, 10 (3), 281-288, 2018.
1249. Arica, Şükran Çakir, Ayşe Ozyilmaz, and Sevil Demirci. "A study on the rich compounds and potential benefits of algae: A review." *Pharm. Innov* 6 (2017): 42-51.

1250. Asan-Ozusaglam, Meltem, Yavuz Selim Cakmak, and Murat Kaya. "Bioactivity and antioxidant capacity of *Anabaenopsis* sp.(Cyanobacteria) extracts." *J Algal Biomass Utln* 2013.4 (2013): 50-58.
1251. Bahrulolum, Howra, et al. "Green synthesis of metal nanoparticles using microorganisms and their application in the agrifood sector." *Journal of Nanobiotechnology* 19.1 (2021): 1-26.
1252. Bashir K. M. I., Lee J. H., Petermann M. J., Shah A. A., Jeong S. J., Kim M. S., Park N. G., Cho M. G. (2018). Estimation of Antibacterial Properties of Chlorophyta, Rhodophyta and Haptophyta Microalgae Spe. *Microbiol. Biotech. Lett.*, 46(3), 225-233, 2018.
1253. Bastidas-Oyanedel, J. R., Bonk, F., Thomsen, M. H., Schmidt, J. E. Dark fermentation biorefinery in the present and future (bio) chemical industry. *Reviews in Environmental Science and Bio/Technology*, 14, 2015, 3, 473-498.
1254. Bhowmick, Sukanya, et al. "Algal metabolites: An inevitable substitute for antibiotics." *Biotechnology Advances* (2020): 43, 107571.
1255. Biru, Talago, and Koto Baru. "www. scholarsresearchlibrary. com t Available online."
1256. Biswas D., M.H. Siddiqui, S. Mahfooz, A. Shamim, A. Farooqui. Partial purification of bioactive compounds from different cyanobacterial strains and its biological potential. *IJBPAS*, 4, 2015, 10, 6107-6115.
1257. Bogdanovic, Sanja. Establishment of methods for bioprospecting of marine algae for antimicrobial agents. MS thesis. 2018.
1258. Bulimaga, Valentina, et al. "Metode de separare a metaboliților secundari bioactivi din biomasa unor cianobacterii și proprietățile lor curative și toxicologice." *Studia Universitatis (Seria Științe Reale și ale Naturii)* 71.1 (2014): 57-66.
1259. Chaïb, Slimane, et al. "Allelopathy and allelochemicals from microalgae: An innovative source for bio-herbicidal compounds and biocontrol research." *Algal Research* 54 (2021): 102213.
1260. Chaidir, Z., Hillman PF Syafrizayanti, and R. Zainul. "Isolation and identification of freshwater microalgae potentially as antibacterial from Talago Biru." *Koto Baru, West Sumatera Der Pharmacia Lettre* 8 (2016): 157-165.
1261. Chen, Wei Ning, et al. "Effect of Supercritical Carbon Dioxide Extraction Parameters on the Biological Activities and Metabolites Present in Extracts from *Arthrospira platensis*." (2017).
1262. da Rocha Neto, Argus Cezar, et al. "Atividade antimicrobiana de extratos etanólicos de algas no controle de *Penicillium expansum* Link (Trichocomaceae, Ascomycota)." *Biotemas* 28.4 (2015): 23-33.
1263. Davoodbasha M., Edachery B., Nooruddin T., Lee S. Y., Kim J. W. An evidence of C16 fatty acid methyl esters extracted from microalga for effective antimicrobial and antioxidant property. *Microb. Pathog.*, 115, 233-238, 2018.
1264. DEHMANI, Siham, and Djamal ZERROUKI. Culture des microorganismes dans les eaux usées. Diss. 2018.
1265. Demirel Z., Yilmaz F. F., Ozdemir G., Dalay M. C. Influence of Media and Temperature on the Growth and the Biological Activities of *Desmodesmus protuberans* (FE Fritsch & MF Rich) E. Hegewald. *Turk. J. Fish. Aquat. Sci.*, 18 (10), 1195-1203, 2018.
1266. Effendi, Sefli Sri Wahyu, et al. "Development and fabrication of disease resistance protein in recombinant *Escherichia coli*." *Bioresources and Bioprocessing* 7.1 (2020): 1-10.
1267. El-Hack, Mohamed E. Abd, et al. "Microalgae in modern cancer therapy: Current knowledge." *Biomedicine & Pharmacotherapy* 111 (2019): 42-50.
1268. Elkomy, R., et al. "Optimal conditions for antimicrobial activity production from two microalgae *Chlorella marina* and *Navicula F. Delicatula*." *Journal of Pure and Applied Microbiology*

9.4 (2015): 2725-2733.

1269. Emparan, Quin, Razif Harun, and Yew Sing Jye. "Efficiency of pollutants removal in treated palm oil mill effluent (TPOME) using different concentrations of sodium alginate-immobilized *Nannochloropsis* sp. cells." *International journal of phytoremediation* (2020): 1-8.
1270. Esquivel-Hernández, Diego A., et al. "Effect of Supercritical Carbon Dioxide Extraction Parameters on the Biological Activities and Metabolites Present in Extracts from *Arthrospira platensis*." *Marine Drugs* 15.6 (2017): 174.
1271. Evans, Laurence J. *Water neutral developments: How to successfully integrate micro-algae systems into wastewater management*. Diss. Heriot-Watt University, 2018.
1272. Falaise C., C. François, M-A. Travers, B. Morga, J. Haure, R. Tremblay, F. Turcotte, P. Pasetto, R. Gastineau, Y. Hardivillier, V. Leignel J-L. Mouget. *Antimicrobial Compounds from Eukaryotic Microalgae against Human Pathogens and Diseases in Aquaculture*. *Mar. Drugs* 2016, 14, 159
1273. Fernández, F. Gabriel Acién, et al. "The role of microalgae in the bioeconomy." *New Biotechnology* 61 (2021): 99-107.
1274. Fleurence, Joël. *Les microalgues: De l'aliment du futur à l'usine cellulaire*. ISTE Group, 2021.
1275. Forján, E., Navarro, F., Cuaresma, M., Vaquero, I., Ruíz-domínguez, M. C., Gojkovic, Ž., . & Garbayo, I. *Microalgae: fast-growth sustainable green factories*. *Critical Reviews in Environmental Science and Technology*, 2014, 45, 16, 1705-1755.
1276. Furmaniak, Magda A., et al. "Edible cyanobacterial genus *Arthrospira*: Actual state of the art in cultivation methods, genetics, and application in medicine." *Frontiers in microbiology* 8 (2017): 2541.
1277. Gagnard, Clément, et al. "Screening of marine microalgae: Investigation of new exopolysaccharide producers." *Algal Research* 44 (2019): 101711.
1278. Gautam, Shristy, and M. Amin-ul Mannan. "The Role of Algae in Nutraceutical and Pharmaceutical Production." *Bioactive Natural products in Drug Discovery*. Springer, Singapore, 2020. 665-685.
1279. Ghaidaa, H. A., et al. "The Biofilm Inhibitory Potential of Compound Produced from *Chlamydomonas reinhardtii* Against Pathogenic Microorganisms." *Baghdad Science Journal* 17.1 (2020): 34-41.
1280. Gheda, Saly F., and Gehan A. Ismail. "Natural products from some soil cyanobacterial extracts with potent antimicrobial, antioxidant and cytotoxic activities." *Anais da Academia Brasileira de Ciências* 92.2 (2020), e20190934, 1-18.
1281. Gonçalves A.L., J. C.M. Pires, M. Simões. *A review on the use of microalgal consortia for wastewater treatment*, *Algal Res.* (2016).
1282. Gonçalves, Ana L., José CM Pires, and Manuel Simões. "A review on the use of microalgal consortia for wastewater treatment." *Algal Research* 24 (2017): 403-415.
1283. Hassi, Mohammed, et al. "A Review of Moroccan Microalgae and Their Exploitation Fields."
1284. Hinterholz, Camila Larissa, et al. "Computational fluid dynamics applied for the improvement of a flat-plate photobioreactor towards high-density microalgae cultures." *Biochemical Engineering Journal* 151 (2019): 107257.
1285. Hisham, Nur Eliza Badrul, and Nor Hanuni Ramli. "TROPICAL AGRICULTURAL SCIENCE." *Pertanika J. Trop. Agric. Sci* 44.1 (2020): 221-236.
1286. Imran Bashir, Khawaja Muhammad, et al. "Estimation of Antibacterial Properties of Chlorophyta, Rhodophyta and Haptophyta Microalgae Species." *Microbiology and Biotechnology*

Letters 46.3 (2018): 225-233.

1287. Ishaq, A. G., H. M. Matias-Peralta, and H. Basri. Bioactive Compounds from Green Microalga – *Scenedesmus* and its Potential Applications: A Brief Review "TROPICAL AGRICULTURAL SCIENCE." *Pertanika J. Trop. Agric. Sci* 39.1 (2016): 1-16.
1288. Jena, Jayanti, and Enketeswara Subudhi. "Microalgae: An untapped resource for natural antimicrobials." *The role of microalgae in wastewater treatment*. Springer, Singapore, 2019. 99-114.
1289. Jha, Durga, et al. "Microalgae-based Pharmaceuticals and Nutraceuticals: An Emerging Field with Immense Market Potential." *ChemBioEng Reviews* 4.4 (2017): 257-272.
1290. Kadimpati, Kishore Kumar, et al. "Microalgae Potential Feedstock for the Production of Biohydrogen and Bioactive Compounds." *Microbial Strategies for Techno-economic Biofuel Production*. Springer, Singapore, 2020. 171-206.
1291. Kanaan, Chirine Issam. Assessing methods for bioprospecting of marine algae for antimicrobial agents. MS thesis. 2019.
1292. Kang, Yeeun, et al. "Potential of Algae–Bacteria Synergistic Effects on Vegetable Production." *Frontiers in Plant Science* 12 (2021): 556.
1293. Kiran, Boda Ravi, and S. Venkata Mohan. "Microalgal Cell Biofactory—Therapeutic, Nutraceutical and Functional Food Applications." *Plants* 10.5 (2021): 836.
1294. Koutra, Eleni, et al. "Assessing the potential of *Chlorella vulgaris* for valorization of liquid digestates from agro-industrial and municipal organic wastes in a biorefinery approach." *Journal of Cleaner Production* 280 (2021): 124352.
1295. Koutra, Eleni, et al. "Microalgal Biorefinery." *Microalgae Cultivation for Biofuels Production*. Academic Press, 2020. 163-185.
1296. Kovač, Dajana. "Biotehnološki potencijal filamentoznih sojeva cijanobakterija sa područja Vojvodine." (2017).
1297. Lai, Yu-Cheng, et al. "Towards protein production and application by using *Chlorella* species as circular economy." *Bioresource technology* (2019): 121625.
1298. Lakshmi, Rajendran, Nagarajan Nagendra Gandhi, and Karuppan Muthukumar. "Bioelectricity and bioactive compound production in an algal-assisted microbial fuel cell with immobilized bioanode." *Biomass Conversion and Biorefinery* (2020): 1-17.
1299. Lamprinou, V., Tryfinopoulou, K., Velonakis, E. N., Vatopoulos, A., Antonopoulou, S., Fragopoulou, E., Pantazidou P., Economou-Amilli, A. Cave Cyanobacteria showing antibacterial activity. *International Journal of Speleology*, 44, 2015, 231-238.
1300. Lekshmi, S., et al. "Antibacterial activity of *Chroococcus minutus* (Kützinger) Nägeli isolated from Cochin estuary against selected pathogens." *Int. J. Fish. Aquat. Stud* 4.3 (2016): 700-703.
1301. Li A., L. Zhang, Z. Zhao, S. Ma, M. Wang, P. Liu. Prescreening, identification and harvesting of microalgae with antibacterial activity. *Biologia* 71/10: 1—, 2016.
1302. Little, Shannon M., et al. "Antibacterial compounds in green microalgae from extreme environments: a review." *Algae* 36.1 (2021): 61-72.
1303. Lu, Y.-Z., et al. "Research progress of pharmacological active substances from diazotrophic cyanobacteria", *Chinese Traditional and Herbal Drugs* Volume 49.18, (2018): 4453-4460.
1304. Man, Yu Bon, et al. "Growth and intestinal microbiota of Sabah giant grouper reared on food waste-based pellets supplemented with spirulina as a growth promoter and alternative protein source." *Aquaculture Reports* 18 (2020): 100553.
1305. Marrez, Diaa A., et al. "Antimicrobial and anticancer activities of *Scenedesmus obliquus* metabolites." *Heliyon* 5.3 (2019): e01404.
1306. Maruthanayagam, V., et al. "Effects of surface material on growth pattern and bioactive

- exopolymers production of intertidal cyanobacteria *Phormidium* sp." (2020), Indian Journal of Geo-Marine Sciences 49(10), pp. 1669-1677.
1307. Mashhadinejad, Ahmad, Hojjatollah Zamani, and Jannat Sarmad. "Effect of growth conditions and extraction solvents on enhancement of antimicrobial activity of the microalgae *Chlorella vulgaris*." Pharmaceutical and Biomedical Research 2.4 (2016): 65-73.
 1308. Matulich, Patrick. "Screening of Crude Microalgal Extracts for Antimicrobial Activity." (2019).
 1309. Mohsenpour, Seyedeh Fatemeh, et al. "Integrating micro-algae into wastewater treatment: A review." Science of The Total Environment (2020): 142168.
 1310. Montalvão, S., Z. Demirel, P. Devi, V. Lombardi, V. Hongisto, M. Perälä, J. Hattara, E. Imamoglu, S. S. Tilvi, G. Turan, M. C. Dalay, P. Tammela. Large-scale bioprospecting of cyanobacteria, micro-and macroalgae from the Aegean Sea. New biotechnology, 33, (2016), (3), 399-406.
 1311. Morales-Jiménez, Mónica, et al. "Production, preparation and characterization of microalgae-based biopolymer as a potential bioactive film." Coatings 10.2 (2020): 120.
 1312. Narayanan, Sharmila, and Santhi Raju Pilli. "10 Algal-derived pharmaceuticals." Algal Biorefinery: Developments, Challenges and Opportunities (2021): 231.
 1313. Navarro, Francisco, et al. "Antimicrobial activity of the acidophilic eukaryotic microalga *Coccomyxa onubensis*." Phycological Research 65.1 (2017): 38-43.
 1314. Nowruzi, Bahareh, Hossein Fahimi, and Adriana Sturion Lorenzi. "Recovery of pure C-phycoerythrin from a limestone drought tolerant cyanobacterium *Nostoc* sp. and evaluation of its biological activity." (2020).
 1315. Nuhu, Abdulmumin A. "Spirulina (*Arthrospira*): An important source of nutritional and medicinal compounds." Journal of Marine biology 2013 (2013).
 1316. ÖZOĞUL, İlyas, et al. "Inhibitory impacts of *Spirulina platensis* and *Chlorella vulgaris* extracts on biogenic amine accumulation in sardine fillets." Food Bioscience (2021): 101087.
 1317. Parwani, Laxmi, Medha Bhatt, and Jaspreet Singh. "Potential Biotechnological Applications of Cyanobacterial Exopolysaccharides." Brazilian Archives of Biology and Technology 64 (2021).
 1318. Pereira, Sara B., et al. "Strategies to Obtain Designer Polymers Based on Cyanobacterial Extracellular Polymeric Substances (EPS)." International journal of molecular sciences 20.22 (2019): 5693.
 1319. Pina-Pérez, M. C., et al. "Antimicrobial potential of MACRO AND MICROALGAE against PATHOGENIC and SPOILAGE microorganisms in FOOD." Food Chemistry (2017).
 1320. Rajvanshi, Meghna, et al. "Biomolecules from microalgae for commercial applications." Sustainable Downstream Processing of Microalgae for Industrial Application. CRC Press, 2019. 3-38.
 1321. Reveillon D., Tunin-Ley A., Grondin I., Othmani A., Zubia M., Bunet R., Turquet J., Culioli G., Briand J. F. Exploring the chemodiversity of tropical microalgae for the discovery of natural antifouling compounds. J. Appl. Phycol., 1-15, 2018.
 1322. Réveillon, Damien, et al. "Exploring the chemodiversity of tropical microalgae for the discovery of natural antifouling compounds." Journal of applied phycology 31.1 (2019): 319-333.
 1323. Righini, Hillary, et al. "Preliminary Study on the Activity of Phycobiliproteins against *Botrytis cinerea*." Marine drugs 18.12 (2020): 600.
 1324. Rojas, Verónica, et al. "Cyanobacteria and Eukaryotic Microalgae as Emerging Sources of Antibacterial Peptides." Molecules 25.24 (2020): 5804.

1325. Safari, Moein, Salman Ahmady-Asbchin, and Pantea Zamanifar. "In vitro evaluation of antimicrobial activities from aqueous and methanolic extracts of cyanobacteria." *European Journal of Biological Research* 9.3 (2019): 184-192.
1326. Saka, Cafer, Mustafa Kaya, and Mesut Bekiroğullari. "Chlorella vulgaris microalgae strain modified with zinc chloride as a new support material for hydrogen production from NaBH₄ methanolysis using CuB, NiB, and FeB metal catalysts." *International Journal of Hydrogen Energy* 45.3 (2020): 1959-1968.
1327. Salem, O. M., Hoballah, E. M., Ghazi, S. M., & Hanna, S. N. Antimicrobial activity of microalgal extracts with special emphasize on Nostoc sp. *Life Science Journal*, 11(12), 2014, 752-758.
1328. Sanmukh, S., Bruno, B., Ramakrishnan, U., Khairnar, K., Swaminathan, S., & Paunekar, W. (2014). Bioactive compounds derived from microalgae showing antimicrobial activities. *J. Aquacult. Res. Developm.*, 2014, 5(3), 1-5.
1329. Sawant S. S., Mane V. K. NUTRITIONAL PROFILE, ANTIOXIDANT, ANTIMICROBIAL POTENTIAL, AND BIOACTIVES PROFILE OF CHLORELLA EMERSONII KJ725233. *Asian J. Pharm. Clin. Res.*, 11 (3), 220-225, 2018.
1330. Sawant, Sneha Sunil, and Varsha Kelkar-Mane. "Study of the changes in the growth, protein, and bioactive profile of Chlorella emersonii KJ725233 in response to sodium and ammonium nitrate." *Journal of Applied Biology & Biotechnology* Vol 7.04 (2019): 19-25.
1331. Schuelter, Adilson Ricken, et al. "Isolation and identification of new microalgae strains with antibacterial activity on food-borne pathogens. Engineering approach to optimize synthesis of desired metabolites." *Biochemical engineering journal* 144 (2019): 28-39.
1332. Senhorinho, G.N.A., Ross, G.M., Scott, J.A. Cyanobacteria and eukaryotic microalgae as potential sources of antibiotics *Phycologia* 2015, 54, 3, 271-282.
1333. Senhorinho, Gerusa NA, Carita Lannér, and John A. Scott. "The Importance of Harvesting Time on the Screening of Chlamydomonas spp. Extracts for Antibacterial Activity." *International Journal on Algae* 22.3 (2020), 269-278.
1334. Senhorinho, Gerusa Neyla Andrade. Antibacterial activity of freshwater green microalgae isolated from water bodies near abandoned mine sites in Ontario, Canada. Diss. Laurentian University of Sudbury, 2018.
1335. Shah, Sayed Asmat Ali, et al. "Chemically Diverse and Biologically Active Secondary Metabolites from Marine Phylum chlorophyta." *Marine Drugs* 18.10 (2020): 493.
1336. Shuttleworth, Beryl. "Can spirulina cause cancer?."
1337. Sinha, Surbhi, et al. "Applications and Efficacy of Exceptional Bioactive Compounds from Microalgae.", *Handbook of Environmental Chemistry*, 104, (2020), 161-176.
1338. Sivakumar, Natesan, and Gopal Selvakumar. "Marine cyanobacteria."
1339. Stejskal, Nadia, et al. "Quality Enhancement of Refrigerated Hake Muscle by Active Packaging with a Protein Concentrate from Spirulina platensis."
1340. Swapnil, Sanmukh, et al. "Bioactive compounds derived from microalgae showing antimicrobial activities." *Journal of Aquaculture research and Development* 5.3 (2014).
1341. Tang, Doris Ying Ying, et al. "Potential utilization of bioproducts from microalgae for the quality enhancement of natural products." *Bioresource Technology* 304 (2020): 122997.
1342. Terra, Ana Luiza Machado, et al. "Microalgae biosynthesis of silver nanoparticles for application in the control of agricultural pathogens." *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants and Agricultural Wastes*, 54.8 (2019): 709-716.
1343. Tsianta, Angeliki. "Pharmaceutical Applications of Eukaryotic Microalgae." (2020).

1344. Wan, Dan, Qinghua Wu, and Kamil Kuča. "Spirulina." *Nutraceuticals*. Academic Press, 2016. 569-583.
1345. Yun, Mira, et al. "Contaminated bacterial effects and qPCR application to monitor a specific bacterium in *Chlorella* sp. KR-1 culture." *Biotechnology and Bioprocess Engineering* 22.2 (2017): 150-160.
1346. Жемчужин, С. Г., Ю. Я. Спиридонов, and Г. С. Босак. "БИОПЕСТИЦИДЫ: СОВРЕМЕННОЕ СОСТОЯНИЕ ПРОБЛЕМЫ (дайджест публикаций за 2012–2017 гг.)." *Агрохимия* 11 (2019): 77-85.
1347. Огнистая, Альбина Васильевна. "ВОЗДЕЙСТВИЕ ЭКСТРАКТОВ МИКРОВОДОРОСЛЕЙ ЯПОНСКОГО МОРЯ НА ПАТОГЕННЫЕ МИКРООРГАНИЗМЫ, ВЫЗЫВАЮЩИЕ ЗАБОЛЕВАНИЯ У ЧЕЛОВЕКА И ЖИВОТНЫХ." *Актуальные проблемы освоения биологических ресурсов Мирового океана*. 2020.

89). NAJDENSKI, H., Iteman, I., Carniel, E. Efficient subtyping of pathogenic *Yersinia enterocolitica* strains by pulsed-field gel electrophoresis (1994) *Journal of Clinical Microbiology*, 32 (12), pp. 2913-2920. IF 3.474

1348. Aroma compounds of mountain tea (*Sideritis scardica* and *S. raeseri*) from Western Balkan. *Natural Product Communications*, 9 (9), 2014, pp. 1369-1372.
1349. Asplund K, Johansson T, Siitonen A. Evaluation of pulsed-field gel electrophoresis of genomic restriction fragments in the discrimination of *Yersinia enterocolitica* O:3. *Epidemiol. Infect.*, 1998, 121, 3, 579-586.
1350. Baraúna, Rafael A., et al. "Gel-Based Approaches in Genomic and Proteomic Sciences." *Polymer Gels*. Springer, Singapore, 2018. 185-195.
1351. Bhagat N., Viridi JS. The enigma of *Yersinia enterocolitica* biovar 1A. *Critic. Rev. Microbiol.*, 2011, 37, 1, 25-39.
1352. Blixt Y, Knutsson R, Borch E, et al. Interlaboratory random amplified polymorphic DNA typing of *Yersinia enterocolitica* and *Y. enterocolitica*-like bacteria. *Int. J. Food Microbiol.*, 2003, 83, 1, 15-26.
1353. Boghenbor, K.K., Stephen L., W. On, B. Kokotovic, A. Baumgartner, T.M. Wassenaar, M. Wittwer, B. Bissig-Choisat, and J. Frey. Genotyping of human and porcine *Yersinia enterocolitica*, *Yersinia intermedia*, and *Yersinia bercovieri* strains from Switzerland by amplified fragment length polymorphism analysis. *Appl. Environm. Microbiol.*, 2006, 72, 6, 4061-4066.
1354. Bosák, J., Micenková, L., Vrba, M., et al. Unique activity spectrum of colicin FY: All 110 characterized *Yersinia enterocolitica* isolates were colicin FY susceptible. *PloS one*, 2013, 8(12), e81829.
1355. Bottone EJ. *Yersinia enterocolitica*: overview and epidemiologic correlates. *Microbes Infect.*, 1999, 1, 4, 323-333.
1356. Boxall, Naomi. "PULSED-FIELD GEL ELECTROPHORESIS: A TOOL FOR MOLECULAR EPIDEMIOLOGY." New Zealand: Massey University (1999).
1357. Brack, Manfred, et al. "Fact sheet compiled by Last update." (2008).
1358. Campioni, F. Tipagem molecular e caracterização do potencial patogênico de linhagens de *Yersinia enterocolitica* biotipo 1A de origens diversas. Teses, Universidade De São Paulo, Faculdade De Ciências Farmacêuticas De Ribeirão Preto, 2009.
1359. Campioni, F., & Falcao, J. P.. Genotyping of *Yersinia enterocolitica* biotype 1A strains from clinical and non-clinical origins by Pulsed-field gel electrophoresis. *Can. J. Microbiol.*, 2014, 60, 419-424.
1360. Campioni, F., & Falcão, J.P. Genotypic diversity and virulence markers of *Yersinia*

- enterocolitica biotype 1A strains isolated from clinical and non-clinical origins. *Apmis*, 2014, 122(3), 215-222.
1361. Capilla S, Goni P, Rubio MC, et al. Epidemiological study of resistance to nalidixic acid and other antibiotics in clinical *Yersinia enterocolitica* O:3 isolates. *J. Clin. Microbiol.*, 2003, 41, 10, 4876-4878.
 1362. Cerdá, J. Sahagún, et al. "Epidemiological Study of Resistance to Nalidixic Acid and Other Antibiotics in Clinical *Yersinia enterocolitica* O:3 Isolates."
 1363. Chae, H.-S., J.-Y. Kim, J.-E. Kim, Y.-M. Yang, K.-S. Jin, B.-W. Shin, S.-H. Kim, J.-H. Lee. Characteristics of *Yersinia enterocolitica* isolates from beef and pork carcass. *Korean J. Vet. Serv.*, 2008, 31(2), 195-205.
 1364. Chaiyaroj SC, Kotrnon K, Koonpaew S, et al. Differences in genomic macrorestriction patterns of arabinose-positive (*Burkholderia thailandensis*) and arabinose-negative *Burkholderia pseudomallei*. *Microb. Immunol.*, 1999, 43, 7, 625-30.
 1365. De Souza, R.A. Identificação de linhagens atípicas de *Yersinia* spp. por métodos moleculares, Dissertação, Universidade de São Paulo, Faculdade de Ciências Farmacêuticas de Ribeirão Preto, 2009.
 1366. Dhar, M. S.. Interaction of strains of two clonal groups of *Yersinia enterocolitica* with cultured cells in vitro. Indian ETD Repository, 2014
 1367. Donovan WH, Hull R, Rossi CD. Analysis of Gram negative recolonization of the neuropathic bladder among patients with spinal cord injuries. *Spinal Cord*, 1996, 34, 10, 587-591.
 1368. Estrada CSML, Velazquez LD, Escudero ME, et al. Pulsed field, PCR ribotyping and multiplex PCR analysis of *Yersinia enterocolitica* strains isolated from meat food in San Luis Argentina. *Food Microbiol.*, 2011, 28, 1, 21-28.
 1369. Fakruddin, M., Bin Mannan, K.S., Mohammad M.RM., et al. Identification and characterization of microorganisms: DNA-fingerprinting methods. *Songklanakarin J. Sci. Technol.*, 2013, 4, 35.
 1370. Falcão, J.P., Falcão, D.P., Pitondo-Silva, A., Malaspina, A.C., Brocchi, M. Molecular typing and virulence markers of *Yersinia enterocolitica* strains from human, animal and food origins isolated between 1968 and 2000 in Brazil (2006) *Journal of Medical Microbiology*, 55 (11), pp. 1539-1548.
 1371. Favier GI, Escudero ME, Velazquez L, et al. Reduction of *Yersinia enterocolitica* and mesophilic aerobic bacteria in eggshell by washing with surfactants and their effect on the shell microstructure. *Food Microbiol.*, 2000, 17, 1, 73-81.
 1372. Fearnley, C., On, S.L.W., Kokotovic, B., Manning, G., Cheasty, T., Newell, D.G. Application of fluorescent amplified fragment length polymorphism for comparison of human and animal isolates of *Yersinia enterocolitica* (2005) *Applied and Environmental Microbiology*, 71 (9), pp. 4960-4965.
 1373. Franzin L, Cabodi D. Molecular typing of *Yersinia* strains by pulsed-field gel electrophoresis and RAPD-PCR. 8th International Symposium on *Yersinia*, Sept. 04-08, 2002 Turku, Finland. *Genus Yersinia: entering the functional genomic era*, Book Series: Adv. Exper. Med. Biology, 2003, 529, 349-352.
 1374. Franzin, Laura, and Daniela Cabodi. "Molecular typing of *Yersinia* strains by pulsed-field gel electrophoresis and RAPD-PCR." *The Genus Yersinia*. Springer, Boston, MA, 2004. 349-352.
 1375. Frazão, M. R. Tipagem molecular e caracterização do potencial patogênico de linhagens de *Yersinia enterocolitica* biotipo 2 de origens diversas, PhD Thesis, Universidade de São Paulo, 2013
 1376. Fredriksson-Ahomaa M, Autio T, Korkeala H. Efficient subtyping of *Yersinia enterocolitica*

- bioserotype 4/O:3 with pulsed-field gel electrophoresis. *Lett. Appl. Microbiol.*, 1999, 29, 5, 308-312.
1377. Fredriksson-Ahomaa M, Bjorkroth J, Hielm S, et al. Prevalence and characterization of pathogenic *Yersinia enterocolitica* in pig tonsils from different slaughterhouses. *Food Microbiol.*, 2000, 17, 1, 93-101.
 1378. Fredriksson-Ahomaa M, Hallanvuo S, Korte T, et al. Correspondence of genotypes of sporadic *Yersinia enterocolitica* bioserotype 4/O:3 strains from human and porcine sources. *Epidemiol. Infect.*, 2001, 127, 1, 37-47.
 1379. Fredriksson-Ahomaa, M. Tracing of enteropathogenic *Yersinia*. In: *Yersinia: Systems Biology and Control*, Elisabeth Carniel & Bernard Joseph Hinnebusch eds. 2012, 201.
 1380. Fredriksson-Ahomaa, M., S. Wacheck, R. Bonke, R. et al. Different enteropathogenic *Yersinia* strains found in wild boars and domestic pigs. *Foodborne Pathog Dis.* 2011; 8(6):733-737.
 1381. Fredriksson-Ahomaa, M., Stolle, A., Korkeala, H. Molecular epidemiology of *Yersinia enterocolitica* infections (2006) *FEMS Immunology and Medical Microbiology*, 47 (3), pp. 315-329.
 1382. Fredriksson-Ahomaa, M., Stolle, A., Stephan, R. Prevalence of pathogenic *Yersinia enterocolitica* in pigs slaughtered at a Swiss abattoir (2007) *International Journal of Food Microbiology*, 119 (3), pp. 207-212.
 1383. Fredriksson-Ahomaa, Maria. "Molecular epidemiology of *yadA*-positive *Yersinia enterocolitica*." (2001).
 1384. Fukushima H, Hoshina K, Itogawa H, et al. Introduction into Japan of pathogenic *Yersinia* through imported pork, beef and fowl. *Int. J. Food Microbiol.*, 1997, 35, 3, 205-212.
 1385. Fukushima, H., M. Gomyoda, S. Aleksic. Genetic variation of *Yersinia enterocolitica* serotype O:9 strains detected in samples from Western and Eastern countries. *Zbl. Bacteriol.*, 1998, 288, 2, 167-174.
 1386. Galindo, C., J. A. Rosenzweig, M. L. Kirtley, et al. Pathogenesis of *Y. enterocolitica* and *Y. pseudotuberculosis* in human yersiniosis. *J. Pathogens* 2011, Article ID 182051.
 1387. Garzetti, Debora. Genome-based characterization of *Yersinia enterocolitica*. *Diss. Imu*, 2015.
 1388. Gauthier, Françoise Maurin, and Yves Richard. "Pulsed-Field Gel Electrophoresis Is More." *J. Clin. Microbiol* 37.2 (1999): 380.
 1389. Gierczyński, R., Golubov, A., Neubauer, H., Pham, J.N., Rakin, A. Development of multiple-locus variable-number tandem-repeat analysis for *Yersinia enterocolitica* subsp. *paleartica* and its application to bioserogroup 4/O3 subtyping (2007) *Journal of Clinical Microbiology*, 45 (8), pp. 2508-2515.
 1390. Goering, R.V. Molecular epidemiology of nosocomial infection. In: *Rapid detection of infectious agents* (S. Specter, M. Bendinelli, and H. Friedman, eds.), Plenum Press, New York and London, 1998, 131-157.
 1391. Goering, Richard V. "The molecular epidemiology of nosocomial infection." *Rapid detection of infectious agents*. Springer, Boston, MA, 2002. 131-157.
 1392. Gulati, P., Varshney, R.K., Viridi, J.S. Multilocus variable number tandem repeat analysis as a tool to discern genetic relationships among strains of *Yersinia enterocolitica* biovar 1A (2009) *Journal of Applied Microbiology*, 107 (3), pp. 875-884.
 1393. Gulati, P.S., Viridi, J.S. The *rrn* locus and *gyrB* genotyping confirm the existence of two clonal groups in strains of *Yersinia enterocolitica* subspecies *paleartica* biovar 1A (2007) *Research in Microbiology*, 158 (3), pp. 236-243.
 1394. Hallanvuo, S. Foodborne *Yersinia*: Identification and Molecular Epidemiology of Isolates from Human Infections. Academic Dissertation. University of Helsinki, Faculty of Agriculture and

Forestry, 2009.

1395. Hosaka, S., M.Uchiyama, M.Ishikawa, T.Akahoshi, H.Kondo, C.Shimauchi, T.Sasahara, M.Inoue. *Yersinia enterocolitica* serotype O:8 septicemia in an otherwise healthy adult: analysis of chromosome of DNA pattern by pulsed-field gel electrophoresis. *J. Clin. Microbiol.*, 1997, 35, 12, 3346-3347.
1396. Hunter, S.B., P. Vauterin, M.A. Lambert-Fair, M.S. Van Duyne, K. Kubota, L. Graves, D. Wrigley, T. Barrett, and E. Ribot. Establishment of a universal size standard strain for use with the PulseNet standardized pulsed-field gel electrophoresis protocols: converting the National Databases to the new size standard. *J. Clin. Microbiol.*, 2005, 43, 3, 1045-1050.
1397. Jalkanen, Kaisa. "Yersinia enterocolitica biotyypin 1A ja Y. enterocolitican kaltaisten bakteerikantojen geneettisen monimuotoisuuden ja lämpökestoisten enterotoksiinigeenien kartoitus." (2007).
1398. Kardos, G., Turcsányi, I., Bistyák, A., Nagy, J., Kiss, I. DNA fingerprinting analysis of breakthrough outbreaks in vaccine-protected poultry stocks (2007) *Clinical and Vaccine Immunology*, 14 (12), pp. 1649-1651.
1399. Kasimir, S. Verlaufsuntersuchungen zum Vorkommen potentiell humanpathogener *Yersinia enterocolitica* und *Campylobacter* spp. in Schweinebeständen von der Geburt bis zur Schlachtung sowie genotypisierung ausgewählter isolate. Dissertation, Veterinarmedizinischen Fakultät, Universität Leipzig, 2005.
1400. Kodjo, Angeli, et al. "Pulsed-field gel electrophoresis is more efficient than ribotyping and random amplified polymorphic DNA analysis in discrimination of *Pasteurella haemolytica* strains." *Journal of clinical microbiology* 37.2 (1999): 380-385.
1401. Koonpaew S, Ubol MN, Sirisinha S, et al. Genome fingerprinting by pulsed-field gel electrophoresis of isolates of *Burkholderia pseudomallei* from patients with melioidosis in Thailand. *Int. Congress on Melioidosis*, Nov. 1998, Bangkok, Thailand, *Acta Tropica*, 2000, 2-3, 187-191.
1402. Kotetishvili, M., Kreger, A., Wauters, G., Morris Jr., J.G., Sulakvelidze, A., Stine, O.C. Multilocus sequence typing for studying genetic relationships among *Yersinia* species (2005) *Journal of Clinical Microbiology*, 43 (6), pp. 2674-2684.
1403. Kuehni-Boghenbor, K., On, S.L.W., Kokotovic, B., Baumgartner, A., Wassenaar, T.M., Wittwer, M., Bissig-Choisat, B., Frey, J. Genotyping of human and porcine *Yersinia enterocolitica*, *Yersinia intermedia*, and *Yersinia bercovieri* strains from Switzerland by amplified fragment length polymorphism analysis (2006) *Applied and Environmental Microbiology*, 72 (6), pp. 4061-4066.
1404. Kwak, Hyo-Shun, and Chong-Sam Lee. "Characterization of the Serotyping and the Plasmid Profile of *E. coli* Isolated from Foods and Clinical Specimens." *Korean Journal of Biological Sciences* 3.4 (1999): 399-405.
1405. Lambertz ST, Danielsson-Tham ML. Identification and characterization of pathogenic *Yersinia enterocolitica* isolates by PCR and pulsed-field gel electrophoresis. *Appl. Environm. Microbiol.*, 2005, 71, 7, 3674-3681.
1406. Laukkanen-Ninios, R., & Fredriksson-Ahomaa, M. Epidemiology, virulence genes, and reservoirs of enteropathogenic *Yersinia* species. *Foodborne and Waterborne Bacterial Pathogens: Epidemiology, Evolution and Molecular Biology*, 2012, 269-287.
1407. Leal TCA, Leal NC, de Almeida AMP. RAPD-PCR typing of *Yersinia enterocolitica* (Enterobacteriaceae) O : 3 serotype strains isolated from pigs and humans. *Gen. Mlecul. Biol.*, 1999, 22, 3, 315-319.
1408. Leon-Velarde, Carlos G. The Application of Bacteriophage Host Recognition Binding Proteins for the Isolation of *Yersinia enterocolitica* in Foods. Diss. 2017.

1409. Lucero Estrada, C.S.M., L.C. Velázquez, M.E. Escudero, G.I. Favier, V. Lazarte and A.M.S. de Guzmán. Pulsed field, PCR ribotyping and multiplex PCR analysis of *Yersinia enterocolitica* strains isolated from meat food in San Luis Argentina, Food Microbiology, 2010 28(1), 21-28.
1410. Lukinmaa S, Nakari UM, Eklund M, et al. Application of molecular genetic methods in diagnostics and epidemiology of food-borne bacterial pathogens. APMIS, 2004, 112, 11-12, 908-929.
1411. Lyte, M., K.T. Nguyen. Alteration of *Escherichia coli* O157-H7 growth and molecular fingerprint by the neuroendocrine hormone noradrenaline. Microbios, 1997, 89, 360,197-213.
1412. Mallik, Sarita, and Jugsharan S. Viridi. "Genetic relationships between clinical and non-clinical strains of *Yersinia enterocolitica* biovar 1A as revealed by multilocus enzyme electrophoresis and multilocus restriction typing." BMC microbiology 10.1 (2010): 1-13.
1413. Matic, I., M. Radman, F. Taddei, B. Picard, C. Doit, E. Bingen, E. Denamur, J. Elion. Highly variable mutation rates in commensal and pathogenic *Escherichia coli*. Science, 1997, 277, 5333, 1833-1834.
1414. Mohandas, S., T.Rang. Relapsing infection due to *Burkholderia-pseudomallei* detected by pulsed-field gel electrophoresis of sequential clinical isolates. Asia Pacific Jurnal of Molecular Biology and Biotechnology, 3, 1995, 3, 224-229.
1415. Murru, N., Kodjo, A., Villard, L., Fratino, L., Perrelli, G., Tozzi, M., Cortesi, M.L. Identification of coagulase negative Staphylococci isolated from dairy products using molecular methods (2005) Revue de Medecine Veterinaire, 156 (8-9), pp. 455-459.
1416. Nesbakken, T. *Yersinia enterocolitica*. In: Foodborne pathogens: microbiology and molecular biology, P.M. Framaticco, A.K. Bhunia, and J.L. Smith, eds.), 2005, 227-250.
1417. Nesbakken, T. *Yersinia* infections. In: Foodborne infections and intoxications, H.P. Riemann, and D.O. Cliver, eds.), 3rd Edition, 2006, 187-199.
1418. Nesbakken, Truls. "Yersinia infections." Foodborne Infections and Intoxications, 3rd edn. Elsevier, Amsterdam (2006): 289-312.
1419. Nikolova S, Wesselinova D, Vesselinova A. Pretreatment of guinea-pigs with iron or Desferal influences the course of *Yersinia enterocolitica* infections. J. Vet. Med. B-Infect. Dis. Vet. Public Health, 2001, 48, 3, 167-178.
1420. Odaert, M., P.Berche, M.Simonet. Molecular typing of *Yersinia pseudotuberculosis* by using an IS 200-like element. J. Clin. Microbiol., 34, 1996, 9, 2231-2235.
1421. Okatani AT, Uto T, Taniguchi T, et al. Pulsed-field gel electrophoresis in differentiation of *Erysipelothrix* species strains. J. Clin. Microbiol., 2001, 11, 4032-36.
1422. Okwori, J.A.E. Studies on yersiniosis in human and selected animal populations in Jos and its environs. A Thesis in the Department of Botany, Faculty of Natural Sciences, University of Jos, 2010.
1423. Okwori, Joseph Ameh Eleyi. Studies on Yersiniosis in Human and Selected Animal Populations in Jos and its Environs. Diss. 2008.
1424. Paixão, R., Moreno, L.Z., Sena De Gobbi, D.D., et al. Characterization of *Yersinia enterocolitica* biotype 1A strains isolated from swine slaughterhouses and markets. Sci. World J., 2013, art. no. 769097.
1425. Petsios, Stefanos, et al. "Conventional and molecular methods used in the detection and subtyping of *Yersinia enterocolitica* in food." International journal of food microbiology 237 (2016): 55-72.
1426. Pilon J, Higgins R, Quessy S. Epidemiological study of *Yersinia enterocolitica* in swine herds in Quebec. Can. Vet. J. – Rev. Vet. Can., 2000, 41, 5, 383-387.

1427. Qazimi, B., Stefkov, G., Karapandzova, M., Cvetkovikj, I., Kulevanova, S.
1428. Rahman, A., T. S. Bonny, S. Stonsaovapak, et al. *Yersinia enterocolitica*: epidemiological studies and outbreaks. *J. Pathogens*, 2011, Article ID 239391
1429. Raymond, Pierre, et al. "Diversity of *Yersinia enterocolitica* isolated from pigs in a French slaughterhouse over 2 years." *MicrobiologyOpen* 8.6 (2019): e00751.
1430. Renzi, F. *Detection of Yersinia enterocolitica in Food by Biomolecular Techniques*, PhD Thesis, University of Camerino, 2012.
1431. Ringwood, Tamara. *Epidemiology and comparative analysis of Yersinia in Ireland*. Diss. University College Cork, 2013.
1432. Sacchini, Lorena, et al. "The prevalence, characterization, and antimicrobial resistance of *Yersinia enterocolitica* in pigs from Central Italy." *Veterinaria italiana* 54.29 (2018): 115-123.
1433. Sachdeva P, Viridi JS. Repetitive elements sequence (REP/ERIC)-PCR based genotyping of clinical and environmental strains of *Yersinia enterocolitica* biotype 1A reveal existence of limited number of clonal groups. *FEMS Microbiol. Lett.*, 2004, 240, 2, 193-201.
1434. Sanchez-Cespedes J, Navia MM, Martinez R, et al. Clonal dissemination of *Yersinia enterocolitica* strains with various susceptibilities to nalidixic acid. *J. Clin. Microbiol.*, 2003, 41, 4, 1769-1771.
1435. Serra, T., González De Cárdenas, M., Plovins, J., Ballesteros, Á., Vindel, A., Sáez-Nieto, J.A. Three cases of *Yersinia pseudotuberculosis* gastrointestinal infection having no apparent epidemiological relationship, caused by identical strains (2005) *Enfermedades Infecciosas y Microbiología Clínica*, 23 (1), pp. 19-21.
1436. Sihvonen LM, Toivonen S, Haukka K, et al. Multilocus variable-number tandem-repeat analysis, pulsed-field gel electrophoresis, and antimicrobial susceptibility patterns in discrimination of sporadic and outbreak-related strains of *Y. enterocolitica*. *BMC Microbiol.*, 2011, 11, 42.
1437. Sihvonen, L.M., Jalkanen, K., Huovinen, E., et al. Clinical isolates of *Yersinia enterocolitica* biotype 1A represent two phylogenetic lineages with differing pathogenicity-related properties. *BMC Microbiology*, 12, 2012, art. no. 208.
1438. Sihvonen, Leila M., et al. "Multilocus variable-number tandem-repeat analysis, pulsed-field gel electrophoresis, and antimicrobial susceptibility patterns in discrimination of sporadic and outbreak-related strains of *Yersinia enterocolitica*." *BMC microbiology* 11.1 (2011): 1-10.
1439. Singh, A., Goering, R.V., Simjee, S., Foley, S.L., Zervos, M.J. Application of molecular techniques to the study of hospital infection (2006) *Clinical Microbiology Reviews*, 19 (3), pp. 512-530.
1440. Smirnova, N. I. "Vibrio cholerae adhesins: a phenotypical analysis and genetic control of synthesis." *MOLECULAR GENETICS MICROBIOLOGY AND VIROLOGY C/C OF MOLEKULIARNAIA GENETIKA MIKROBIOLOGIIA I VIRUSOLOGIIA* (1995): 1-18.
1441. Souza, R.A., Pitondo-Silva, A., Falcão, D.P., Falcão, J.P. Evaluation of four molecular typing methodologies as tools for determining taxonomy relations and for identifying species among *Yersinia* isolates (2010) *Journal of Microbiological Methods*, 82 (2), pp. 141-150.
1442. Steinhart, C.E., Doyle, M.E., and Cochrane, B.A., eds., *Food Safety*, 1996, Marcel Dekker, Inc., New York, Basel, Hong Kong
1443. Tadesse, D.A. *Molecular epidemiology of Campylobacter and Yersinia enterocolitica isolates from pigs reared in conventional and antibiotic free farms from different geographic regions*, PhD dissertation, The Ohio State University, 2009.
1444. Tennant SM, Grant TH, Robins-Browne RM. Pathogenicity of *Yersinia enterocolitica* biotype 1A. *FEMS Immunol. Med. Microbiol.*, 2003, 38, 2, 127-137.

1445. Thang, K.L., S.D.Puthucheary, T.Rang. In vivo genetic stability of *Salmonella typhi* detected by ribotyping and pulsed-field gel electrophoresis. *Asia Pacific J. Mol. Biol. Biotechnol.*, 3, 1995, 4, 356-361.
1446. Thang, K.L., M.Passey, A.Clegg, B.G.Combs, R.M.Yassin, T.Rang. Molecular analysis of isolates of *Salmonella typhi* obtained from patients with fatal and non-fatal typhoid fever. *J. Clin. Microb.*, 34, 1996, 4, 1029-1033.
1447. Thibodeau V, Frost EH, Chenier S, et al. Presence of *Yersinia enterocolitica* in tissues of orally-inoculated pigs and the tonsils and feces of pigs at slaughter. *Can. J. Vet. Res.-Rev. Can. Rech. Vet.*, 1999, 63, 2, 96-100.
1448. Thisted Lambertz, S., Danielsson-Tham, M.-L. Identification and characterization of pathogenic *Yersinia enterocolitica* isolates by PCR and pulsed-field gel electrophoresis (2005) *Applied and Environmental Microbiology*, 71 (7), pp. 3674-3681.
1449. Toutounian-Mashhad, Kaveh. Molekularbiologische Feintypisierung von *Yersinia* spp.-Stämmen aus Mastgeflügel. Diss. 2007.
1450. Uysal, Ahmet. Çeşitli *Escherichia coli* suşlarının pulsed field jel elektroforez yöntemi ile tiplendirilmesi, plazmit profilleri ve antibiyotik duyarlılıklarının araştırılması. Diss. Selçuk Üniversitesi Fen Bilimleri Enstitüsü, 2012.
1451. Velazquez, L.D.C., M.E. Escudero, A.M.S. Deguzman. Prevalence of *Yersinia enterocolitica* in hake (*Merluccius-Hubbsi*) fillets. *J. Food Protection*, 1996, 59, 7, 781-783.
1452. Viridi, J.S., Sachdeva, P. Molecular heterogeneity in *Yersinia enterocolitica* and 'Y. enterocolitica-like' species - Implications for epidemiology, typing and taxonomy (2005) *FEMS Immunology and Medical Microbiology*, 45 (1), pp. 1-10.
1453. Virtanen, S., Laukkanen-Ninios, R., Martínez, P.O., et al. Multiple-locus variable-number tandem-repeat analysis in genotyping *Yersinia enterocolitica* strains from human and porcine origins. *J. Clin. Microbiol.*, 7, 51, 2013, 2154-2159.
1454. Wang, Zeng-guo, Shao, Shi-he, Jing, Huai-qi. Molecular epidemiologic features of the ystB gene-bearing *Yersinia enterocolitica*. *Chinese Journal of Zoonoses*, 2008, 24(3).
1455. Wilfert, Franziska Gabriele. Evaluierung eines beadbasierten Immunoassays zum Nachweis enteropathogener *Yersinia* spp. bei Schlachtschweinen. Diss. lmu, 2014.
1456. Wojciech L, Staroniewicz Z, Jakubczak A, et al. Typing of *Yersinia enterocolitica* isolates by ITS profiling, REP- and ERIC-PCR. *J. Vet. Med. B-Infect. Diseases Vet. Public Health*, 2004, 51, 5, 238-244.
1457. Wrigley, Timothy Barrett, et al. "Susan B. Hunter, Paul Vauterin, Mary Ann Lambert-Fair, M."
1458. Zhu, J., X. Ting, W. Peng, & S. Zhizhong. Research progress on *Yersinia pestis* molecular typing methods. *Chinese J. Contr. Endem. Dis.*, 2013, 3, 177-180.
1459. Воскресенская, Екатерина Александровна. Новые подходы к микробиологическому мониторингу популяций *Yersinia pseudotuberculosis* и лабораторной диагностике псевдотуберкулеза. Diss. Российский научно-исследовательский противочумный институт "Микроб", 2014.
1460. Каримова, Татьяна Викторовна. "Энтеропатогенные иерсинии: микробиологический мониторинг, молекулярно-биологические особенности, алгоритм лабораторной диагностики." (2017).
1461. Митов, И. Дисертация "Доктор на медицинските науки", София, 2005
1462. Николова, С. Роля на желязото върху патогенността на бактериите от вид *Yersinia enterocolitica*. Канд. дисертация, 1997, София

1463. Орозова, П. Физиологични особености на щамове *Yersinia enterocolitica* и *Yersinia pseudotuberculosis* с различна вирулентност. Дисертация за присъждане на образователната и научна степен "доктор". София, 2001.
1464. Renzi, Francesco. Detection of *Yersinia enterocolitica* in Food by Biomolecular Techniques. Diss. SCHOOL OF ADVANCED STUDIES-Doctoral course in Veterinary Sciences (XXIV cycle), 2012.
1465. Смирнова, Елена Юрьевна. Совершенствование лабораторного обеспечения системы эпидемиологического надзора за иерсиниозами. Diss. Санкт-Петербургская государственная медицинская академия им. ИИ Мечникова, 2003.
1466. Смирнова, Н. И. "Адгезины *Vibrio cholerae*: фенотипический анализ и генетический контроль синтеза." Молекуляр. ген. 6 (1995): 18.
1467. Чеснокова, М. В. "ЭНТЕРОПАТОГЕННЫЕ ИЕРСИНИИ: МИКРОБИОЛОГИЧЕСКИЙ МОНИТОРИНГ, МОЛЕКУЛЯРНО-БИОЛОГИЧЕСКИЕ ОСОБЕННОСТИ, АЛГОРИТМ ЛАБОРАТОРНОЙ ДИАГНОСТИКИ." (2017).
1468. Чеснокова, Маргарита Валентиновна. Псевдотуберкулез в Сибири: Теоретические и прикладные аспекты эпидемиологии, лабораторной диагностики и профилактики. Diss. Науч. центр мед. экологии ВШНЦ СО РАМН, 2004.
1469. Чужебаева, Г. Д., et al. "ДИАГНОСТИКА И ИДЕНТИФИКАЦИЯ ШТАММОВ *YERSINIA ENTEROCOLITICA* И *YERSINIA PSEUDOTUBERCULOSIS* МЕТОДОМ ПОЛИМЕРАЗНОЙ ЦЕПНОЙ РЕАКЦИИ (ПЦР)." (2017): 110-110.

90). Kamenarska, Z., Serkedjieva, J., NAJDENSKI, H., Stefanov, K., Tsvetkova, I., Dimitrova-Konaklieva, S., Popov, S. Antibacterial, antiviral, and cytotoxic activities of some red and brown seaweeds from the Black Sea (2009) Botanica Marina, 52 (1), pp. 80-86.

1470. Ahmed, H.H., M.M. Hegazi, H.I. Abd-Alla, E.F. Eskander and M.S. Ellithey. Antitumour and antioxidant activity of some red sea seaweeds in Ehrlich ascites carcinoma in vivo. Zeitschr. Naturforsch.- Sect. C J. Biosci., 2011, 66 C(7-8), 367-376.
1471. Akremi, N., et al. "Phytochemical and in vitro antimicrobial and genotoxic activity in the brown algae *Dictyopteris membranacea*." South African Journal of Botany 108 (2017): 308-314.
1472. AliAboutabl, Elsayed, et al. "Secondary metabolites and certain bioactivities of *Pterocladia capillacea* (S. Gmelin) Bornet and *Dictyopteris membranacea* (Stackhouse) Batters." Medicinal and Aromatic Plant Science and Biotechnology 4.1 (2010): 41-48.
1473. Aoun, Z.B., Said, R.B., Farhat, F. Anti-inflammatory, antioxidant and antimicrobial activities of aqueous and organic extracts from *Dictyopteris membranacea* (2010) Botanica Marina, 53 (3), pp. 259-264.
1474. Blanco, Andreu, et al. "Mapping invasive macroalgae in the Western Iberian Peninsula: a methodological guide." (2020).
1475. Celenk, Fatma, and Atakan Sukatar. "Macroalgae of Izmir Gulf: *Cystoseira barbata*, *Cystoseira compressa* and *Cystoseira crinita* species have high α -glucosidase and moderate pancreatic lipase inhibition activities." Iranian Journal of Pharmaceutical Research (2020).19(2), 391-402
1476. Cornish, M. L., & Garbary, D. J. Antioxidants from macroalgae: Potential applications in human health and nutrition. Algae, 2010, 25(4), 155-171.
1477. Dang, V. T., Speck, P., Doroudi, M., et al. Variation in the antiviral and antibacterial activity of abalone *Haliotis laevis*, *H. rubra* and their hybrid in South Australia. Aquaculture, 2011, 315(3), 242-249.
1478. Dang, V.T., Y. Li, P. Speck and K. Benkendorff. Effects of micro and macroalgal diet

- supplementations on growth and immunity of greenlip abalone, *Haliotis laevis*. Aquaculture. 2011, 320(1-2), 91-98.
1479. De Felício, R., de Albuquerque, S., Young, M.C.M., Yokoya, N.S., Deboni, H.M. Trypanocidal, leishmanicidal and antifungal potential from marine red alga *Bostrychia tenella* J. Agardh (Rhodomelaceae, Ceramiales) (2010) Journal of Pharmaceutical and Biomedical Analysis, 52 (5), pp. 763-769.
 1480. Devi, G. K., Manivannan, K., & Anantharaman, P. Evaluation of antibacterial potential of seaweeds occurring along the coast of Mandapam, India against human pathogenic bacteria. Journal of Coastal Life Medicine, 2014, 2(3), 196-202.
 1481. Gerasimenko, N. I., Martyyas, E. A., & Busarova, N. G. Composition of lipids and biological activity of lipids and photosynthetic pigments from algae of the families Laminariaceae and Alariaceae. Chem. Nat. Comp., 2012, 48(5), 737-741.
 1482. Gerasimenko, N. I., Martyyas, E. A., Logvinov, S. V., & Busarova, N. G. Biological activity of lipids and photosynthetic pigments of *Sargassum pallidum* C. Agardh. Applied Biochemistry and Microbiology, 2014, 50(1), 73-81.
 1483. Hernández, Oscar E., et al. "Species diversity and biogeographical patterns of *Laurencia* sensu stricto (Rhodophyta) in the Atlantic Ocean." Hidrobiológica 27.3 (2017): 301-314.
 1484. Jha, Durga, et al. "Microalgae-based Pharmaceuticals and Nutraceuticals: An Emerging Field with Immense Market Potential." ChemBioEng Reviews.
 1485. Latorre, Nicolás, et al. "First approach of characterization of bioactive compound in *Pyropia orbicularis* during the daily tidal cycle." Latin american journal of aquatic research 47.5 (2019): 826-840.
 1486. Maghin, Federica, Sabrina Ratti, and Carlo Corino. "Biological functions and health promoting effects of brown seaweeds in swine nutrition." J. Dairy Vet. Anim. Res 1 (2014): 14-16.
 1487. Marino, Fabio, et al. "Preliminary study on the in vitro and in vivo effects of *Asparagopsis taxiformis* bioactive phycoderivates on teleosts." Frontiers in physiology 7 (2016): 459.
 1488. Mariya, V., & Ravindran, V. S. Biomedical and Pharmacological significance of marine macro algae-review. Indian J. Geo-Marine Sciences, 2013, 42(5), 527-537.
 1489. Martyyas, E. A., Gerasimenko, N. I., Busarova, N. G., et al.. Seasonal changes in biological activity of lipids and photosynthetic pigments of *Saccharina cichorioides* (Miyabe) (Laminariaceae Family). Russian J. Bioorg. Chem., 2013, 39(7), 720-727.
 1490. McReynolds, Colin. Invasive marine macroalgae and their current and potential use in cosmetics. Diss. 2017.
 1491. Milchakova, N. A. Marine plants of the Black Sea. An illustrated field guide. Digit Print, Sevastopol. 2011. 144.
 1492. Mohamed S, Hashim SN, Rahman HA. Seaweeds: a sustainable functional food for complementary and alternative therapy. Trends Food Sci. Technol., 2012, 23(2), 83-96.
 1493. Namjoyan, Foroogh, et al. "The Anti-melanogenesis Activities of Some Selected Red Macroalgae from Northern Coasts of the Persian Gulf." Iranian Journal of Pharmaceutical Research 18.1 (2019): 383-390.
 1494. Neamat-Allah, Ahmed NF, Abd elhakeem I. El-Murr, and Yasser Abd El-Hakim. "Dietary supplementation with low molecular weight sodium alginate improves growth, haematology, immune reactions and resistance against *Aeromonas hydrophila* in *Clarias gariepinus*." Aquaculture Research 50.5 (2019): 1547-1556.
 1495. Paradas, WLADIMIR COSTA. Mecanismos de armazenamento, biossíntese e liberação de metabólitos secundários em macroalgas vermelhas (Rhodophyta) in Brazil. Diss. Ph. D. dissertation,

Universidade Federal Fluminense, Niterói, Brazil, 2013.

1496. Pereira, Leonel. "Seaweed flora of the European north Atlantic and Mediterranean." Springer handbook of marine biotechnology. Springer, Berlin, Heidelberg, 2015. 65-178.
1497. Pereira, Leonel. Edible seaweeds of the world. CRC Press, 2016.
1498. Pereira, Leonel. Therapeutic and nutritional uses of algae. CRC Press, 2018.
1499. Pinho, P. G., et al. "Head space-solid phase micro extraction and gas chromatography mass spectrometry applied to determination of volatiles in natural metrices." *Funct Plant Sc Biotech* 3.1 (2009): 1-15.
1500. Pirian, Kiana, et al. "Antidiabetic and antioxidant activities of brown and red macroalgae from the Persian Gulf." *Journal of Applied Phycology* (2017): 1-9.
1501. Raj, Sujitra Raj Genga, et al. "Antibacterial Potential of Aqueous Extracts and Compounds from Selected Brown Seaweeds." *INNOSC Theranostics and Pharmacological Sciences* 2.1 (2019).
1502. Rangaiah, G. Subba, P. Lakshmi, and K. Sruthikeerthi. "Antimicrobial activity of the crude extracts of Chlorophycean seaweeds *Ulva*, *Caulerpa* and *Spongomorpha* sps. against clinical and phytopathogens." *Drug Invention Today* 2.6 (2010).
1503. Santoro, Ilaria, et al. "Sustainable and Selective Extraction of Lipids and Bioactive Compounds from Microalgae." *Molecules* 24.23 (2019): 4347.
1504. Saranya, C., Parthiban, C., & Anantharaman, P. Evaluation of antibacterial and antioxidant activities of seaweeds from Pondicherry coast. *Adv. Appl. Sci. Res.*, 2014, 5, 4, 82-90.
1505. Suryanarayanan, T.S. Fungal endosymbionts of seaweeds. *Biol. Mar. Fungi*, 2012, 53, 53-69.
1506. Tan, S. P., O'Sullivan, L., Prieto, M.L., et al. 13 Seaweed antimicrobials: isolation, characterization, and potential use in functional foods. *Bioactive Compounds from Marine Foods: Plant Anim. Sourc.*, 2013, 269-312.
1507. Todorov, D., Hinkov, A., Shishkova, K., & Shishkov, S. Antiviral potential of Bulgarian medicinal plants. *Phytochemistry Reviews*, 2014, 13(2), 525-538.
1508. Vakarelova, Martina. MICROENCAPSULATION OF BIOACTIVE MOLECULES FROM SPIRULINA PLATENSIS AND HAEMATOCOCCUS PLUVIALIS. Diss. University of Verona, 2017.
1509. Van Doan, H., Doolgindachbaporn, S., Suksri, A. Effects of low molecular weight agar and *Lactobacillus plantarum* on growth performance, immunity, and disease resistance of basa fish (*Pangasius bocourti*, Sauvage 1880). *Fish & Shellfish Immunology*, 2014, 41, 2, 340–34
1510. Van Doan, Hien, et al. "Combined administration of low molecular weight sodium alginate boosted immunomodulatory, disease resistance and growth enhancing effects of *Lactobacillus plantarum* in Nile tilapia (*Oreochromis niloticus*)." *Fish & shellfish immunology* 58 (2016): 678-685.
1511. Van Doan, Hien, et al. "Effects of low molecular weight sodium alginate on growth performance, immunity, and disease resistance of tilapia, *Oreochromis niloticus*." *Fish & shellfish immunology* 55 (2016): 186-194.
1512. Van Doan, Hien, et al. "The effects of dietary kefir and low molecular weight sodium alginate on serum immune parameters, resistance against *Streptococcus agalactiae* and growth performance in Nile tilapia (*Oreochromis niloticus*)." *Fish & shellfish immunology* 62 (2017): 139-146.
1513. Venugopal, Vazhiyil. Marine polysaccharides: Food applications. CRC Press, 2016.
1514. Vitale, Fabrizio, et al. "Effectiveness of red alga *Asparagopsis taxiformis* extracts against *Leishmania infantum*." *Open Life Sciences* 10.1 (2015).
1515. Zahmatkesh, Fatemeh. Sampling, mapping and adding value to marine invasive seaweeds of the Iberian Peninsula. MS thesis. 2017.

1516. Анисимов, М. М., Мартыяс, Е. А., Чайкина, Е. Л., & Герасименко, Н. И. Противомикробная, гемолитическая и фиторегулирующая активность липидных экстрактов из морских водорослей. *Химия растительного сырья*, 2010, 4, 125-130.
1517. Мартыяс, Е. А., Герасименко, Н. И., Бусарова, Н. Г., и сътр. Биологическая активность липидов и фотосинтетических пигментов *Saccharina cichorioides* (Miyabe)(сем. Laminariaceae). Сезонные изменения активности. *Химия растительного сырья*, 2012, 1, 123-131.

91). Ivanova, A., Mikhova, B., NAJDENSKI, H., Tsvetkova, I., Kostova, I. Antimicrobial and cytotoxic activity of *Ruta graveolens*. *Fitoterapia*, 2005, 76(3-4), 344-347. IF 0.845

1518. Abdelrahim, Dana N., Hamed R. Takruri, and Khalid M. Al-Ismail. "Effect of Introducing the Jordanian Common Rue (*Ruta chalepensis* L.) on Liver Enzymes and Lipid Peroxidation in Adult Male Sprague Dawley Rats Toxicated With Paracetamol." *Journal of Agricultural Science* 12.4 (2020).
1519. Abou Elkhair, Emad, et al. "Antibacterial Effect of Some Palestinian Plant Extracts against Clinical Multidrug-Resistant Gram-Negative Bacteria: A possible synergism with antibiotics." *Bangladesh Journal of Medical Science* 19.3 (2020): 509-519.
1520. Alonso, Jessica, et al. "A arruda na hipercolesterolemia: Informações e relevância etnobotânica na investigação pré-clínica." (2015).
1521. AL-Qurainy, F. S. Khan, M. Ali, F. Al-Hemaid, et al. Authentication of *Ruta graveolens* and its adulterant using internal transcribed spacer (its) sequences of nuclear ribosomal DNA. *Pak. J. Bot.* 2011, 43, 3, 1613-1620.
1522. Alviz, E. R. L. Guerrero, E. Valencia. Estudio etnobotánico de especies medicinales utilizadas por la comunidad de la vereda campo alegre del corregimiento de Siberia – Cauca (Colombia). *Revista de Ciencias*, 2013, 17, 2, 35-49.
1523. Amaral, A.C.F., J.R.A. de Silva, D.Q. Falcão, L.G. Ferreira, A.R. dos Santos, R.B. Araújo and J.L.P. Ferreira. Ferreira. Chemical analysis of toxic principles in preparations of *ruta graveolens* and *petiveria alliacea*. In. *Poisoning by Plants, Mycotoxins, and Related Toxins*. CABI Publishing, 2011, pp. 698-704. ISBN:9781845938338 (ISBN).
1524. Amit Baran, Sharangi. "Medicinal Plants: The Magic of Wound Healing Activity." *Current Traditional Medicine* 2.3 (2016): 186-206.
1525. An, Z.Y., Y.Y. Yan, D. Peng, T.M. Ou, J.H. Tan, S.L. Huang, L.K. An, L.Q. Gu and Z.S. Huang. Synthesis and evaluation of graveoline and graveoline derivatives with potent anti-angiogenesis activities. *Eur. J. Med. Chem.*, 2010, 45(9), 3895-3903.
1526. Attou, A. Contribution à l'étude phytochimique et activités biologiques des extraits de la plante *Ruta chalepensis* (Fidjel) de la région d'Ain Témouchent. MS Thesis, Université Abou Bekr Belkaid Tlemcen (Algeria), 2011.
1527. Ayil-Gutiérrez, Benjamín A., et al. "*Ruta graveolens* extracts and metabolites against *Spodoptera frugiperda*." *Natural product communications* 10.11 (2015): 1934578X1501001137.
1528. AZALEWORK, HENOK GULILAT, et al. "PHYTOCHEMICAL INVESTIGATION, GC-MS PROFILE AND ANTIMICROBIAL ACTIVITY OF A MEDICINAL PLANT *RUTA GRAVEOLENS* L. FROM ETHIOPIA." (2017).
1529. Bandatmakuru S. R., Arava V. R. Novel synthesis of graveoline and graveoline. *Synth. Commun.* , 48 (20), 2635-2641, 2018.
1530. Bejaoui, I., T. Karmous. Tunisian *Ruta graveolens* essential oil: influence of factors on its yield and composition. *J. Essent. Oil Bear. Plants*, 2012, 15, 2, 276-282.
1531. Bielikova, Olena, et al. "Antimicrobial Activity of Extracts of" Hairy" Root Culture and Regenerated Plants of *Ruta Graveolens* L. Against Some Soil and Pathogenic Bacteria."

Agrobiodiversity for improving nutrition, health and life quality 1 (2017).

1532. Bohidar, S., M. Thirunavoukkarasu, T.V. Rao. Propagation of *Ruta graveolens* L. by in vitro culture of nodal explants. *Indian Journal of Plant Physiology*, 2008, 13, 2, 125-129.
1533. Cartaxo, S.L., M.M. de Almeida Souza, U.P. de Albuquerque. Medicinal plants with bioprospecting potential used in semi-arid northeastern Brazil. *J. Ethnopharmacol.*, 2010, 131, 2, 326-342.
1534. Coimbra, Alexandra T., Susana Ferreira, and Ana Paula Duarte. "Genus *Ruta*: A natural source of high value products with biological and pharmacological properties." *Journal of Ethnopharmacology* (2020): 113076.
1535. Costa, V.P. and M.A.S. Mayworm. Medicinal plants used by the community of Tenentes District - extrema municipality, Minas Gerais State, Brazil. *Rev. Brasileira Plant. Med.*, 2011, 13(3), 282-292.
1536. Cunha, Micael R., et al. Analgesic activity of *Ruta graveolens* L.(Rue) extracts. *African Journal of Pharmacy and Pharmacology* 9.1 (2015): 1-5.
1537. da Silva, Diego Romário, et al. "Atividade antimicrobiana do extrato de *Chenopodium ambrosioides* e *Ruta graveolens* sobre *Streptococcus mutans*." *ARCHIVES OF HEALTH INVESTIGATION* 7.4 (2018).
1538. Da Silva, F.G.E., F.R.S. Mendes, J. C. da C. Assunção, et al. Seasonal variation, larvicidal and nematicidal activities of the leaf essential oil of *Ruta graveolens* L. *J. Essent. Oil Res.*, 2014, 26, 3, 204-209.
1539. de Luna Antonio, Raquel, et al. "Smoke of Ethnobotanical Plants used in Healing Ceremonies in Brazilian Culture." *Ethnomedicinal Plants: Revitalizing of Traditional Knowledge of Herbs* (2011): 166.
1540. De Medeiros PM., Ladio AH., Albuquerque UP. Patterns of medicinal plant use by inhabitants of Brazilian urban and rural areas: A macroscale investigation based on available literature. *J. Ethnopharmacol.*, 2013, 2, 150, 729-746.
1541. Dob, T., Dahmane, D., Gauriat-Desrdy, B., Daligault, V. Volatile constituents of the essential oil of *Ruta chalepensis* L. subsp. *angustifolia* (Pers.) P. Cout. (2008) *Journal of Essential Oil Research*, 20 (4), pp. 306-309.
1542. Dongyue, J. I. A. N. G., L. I. Yonghong, and S. H. E. N. Xin. "Components and variations of volatile organic compounds released from leaves and flowers of *Ruta graveolens*." *浙江农林大学学报* 35.3 (2018): 572-580.
1543. El-Bashiti, Tarek A., Emad Abou Elkhair, and Wesam S. Abu Draz. "The antibacterial and synergistic potential of some Palestinian plant extracts against multidrug resistant *Staphylococcus aureus*." *Journal of Medicinal Plants* 5.2 (2017): 54-65.
1544. El-Sayed MA., Kamel MM., El-Raei MA., Osman SM., Gamil L., Abbas HA. Study of antibacterial activity of some plant extracts against Enterohemorrhagic *Escherichia coli* O157:H7. *Res. J. Pharm. Technol.*, 8, 6, 2013, 916-919.
1545. Flačar, Dora. ANTIBAKTERIJSKA I ANTIOKSIDATIVNA AKTIVNOST EKSTRAKATA RUTVICE (*Ruta graveolens* L.) DOBIVENIH OPTIMIRANOM EKSTRAKCIJOM U EUTEKTIČKOM OTAPALU KOLIN-KLORID/LIMUNSKA KISELINA. Diss. Josip Juraj Strossmayer University of Osijek. Department of biology, 2017.
1546. FORONDA, CERVANDO CHRISTIAN GUTIERREZ. FACULTAD DE CIENCIAS FARMACÉUTICAS Y BIOQUÍMICAS CARRERA DE BIOQUÍMICA. Diss. UNIVERSIDAD MAYOR DE SAN ANDRES, 2017.

1547. Forsatkar M. N., HedayatiRad M., Luchiari A. C. "Not tonight zebrafish": the effects of *Ruta graveolens* on reproduction. *Pharm. Biol.* , 56 (1), 60-66, 2018.
1548. Freire, R.B., H.R. Borba, C.D. Coelho. *Ruta graveolens* L. toxicity in *Vampirolepis nana* infected mice. *Indian J. Pharmacol.*, 2010, 42, 6, 345.
1549. Garcia, Daniel, and Lin Chau Ming. The Influence of Displacement by Human Groups Among Regions in the Medicinal Use of Natural Resource: A Case Study in Diadema, São Paulo-Brazil. *Pharmacology* (2012): 479.
1550. Garcia, Daniel, Marcus Vinicius Domingues, and Eliana Rodrigues. Ethnopharmacological survey among migrants living in the southeast Atlantic forest of Diadema, São Paulo, Brazil. *Journal of Ethnobiology and Ethnomedicine* 6.1 (2010): 1-19.
1551. Ghramh, Hamed A., et al. Silver nanoparticle production by *Ruta graveolens* and testing its safety, bioactivity, immune modulation, anticancer, and insecticidal potentials. *Bioinorganic Chemistry and Applications* 2020:5626382
1552. Gibka, J. Acykliczne ketony C7-C13 i wybrane ich pochodne: synteza i aktywność biologiczna. *Zeszyty Naukowe. Rozprawy Naukowe/Politechnika*. 2011, Z408, 3-143.
1553. Gibka, J., Kunicka-Styczyńska, L., Gliński, M. Antimicrobial activity of undecan-2-one, undecan-2-ol and their derivatives (2009) *Journal of Essential Oil-Bearing Plants*, 12 (5), pp. 605-614.
1554. Giresha, A.S., Anitha, M.G., Dharmappa, K.K. Phytochemical composition, antioxidant and in-vitro anti-inflammatory activity of ethanol extract of *Ruta Graveolens* L. leaves. *International Journal of Pharmacy and Pharmaceutical Sciences* 2015, 7, 272-276.
1555. Gonzales, G.F.N. Establecimiento de un proceso de obtención de extracto de ruda (*Ruta graveolens*), con alto contenido de polifenoles. Escuela Politécnica Nacional, Facultad de Ingeniería Química y Agroindustria, 2010.
1556. Guidi, L., M. Landi. Aromatic plants: use and nutraceutical properties. In: *Novel Plant Bioresources: Applications in Food, Medicine and Cosmetics*, Editor: Ameenah Gurib-Fakim, 2014, 303-345
1557. Hammiche V., Azzouz M. The rues: ethnobotany, phytopharmacology and toxicity. *Phytotherapie*, 1, 11, 2013, 22-30.
1558. Hammiche, V., R. Merad, and M. Azzouz. "Rues: Plantes toxiques à usage médicinal du pourtour méditerranéen. Springer Paris, 2013, 197-226.
1559. Harat, Z.N., Sadeghi, M.R., Sadeghipour, H.R., Kamalinejad, M., Eshraghian, M.R. Immobilization effect of *Ruta graveolens* L. on human sperm: A new hope for male contraception (2008) *Journal of Ethnopharmacology*, 115 (1), pp. 36-41.
1560. Hoshiari, Aref, Gholamreza Najafi, and Leila Zareai. "Evaluation of oxidant effect of aqueous extract of *Ruta graveolens* on mice ovary." *Scientific Journal of Kurdistan University of Medical Sciences* 22.3 (2017): 40-48.
1561. Ivancheva, S., M. Nikolova and R. Tsvetkova. Pharmacological activities and biologically active compounds of Bulgarian medicinal plants. In: *Phytochemistry: Advances in Research*, (F. Imperato, ed.), 2006: 87-103.
1562. Jalali Moghadam, M. Ahmadi, et al. "Antimicrobial effect of *Ruta graveolens* extract on pathogenic bacteria." *Journal of Gorgan University of Medical Sciences* 16.3 (2014).
1563. jalali Moghadam, M. Ahmadi, et al. "Study on antibacterial effect of *Ruta graveolens* extracts on pathogenic bacteria." *Annals of Biological Research* 3.9 (2012): 4542-4545.
1564. Jaradat, Nidal. "Quantitative estimations for the volatile Oil by using hydrodistillation and microwave accelerated distillation methods from *Ruta graveolens* L. and *Ruta chalepensis* L. leaves

from Jerusalem area/Palestine." Moroccan Journal of Chemistry 4.1 (2016): 4-1.

1565. Jeon, J.H., J.H. Park, H.S. Lee. 2-Isopropyl-5-methylphenol isolated from *Ruta graveolens* and its structural analogs show antibacterial activity against food-borne bacteria. J. Korean Soc. Appl. Biol. Chem., 57.4 (2014): 485-490
1566. Jorge, T.C.M., Lenartovicz, V., Andrade, M.W., Bonafin, T., Giordani, M.A., Bueno, N.B.C., Schneider, D.S.L.G. Pediculicidal activity of hydroethanolic extracts of *Ruta graveolens*, *Melia azedarach* and *Sambucus australis* (2009) Latin American Journal of Pharmacy, 28 (3), pp. 457-459.
1567. Kacem, M, Kacem, I. Simon, G. Ben Mansour, A Chaabouni, S Elfeki, A. Bouaziz, M. Phytochemicals and biological activities of *Ruta chalepensis* L. growing in Tunisia Food Bioscience 2015, 12, 73-83.
1568. Khan, S., K.J. Mirza, and M.Z. Abdin. DNA fingerprinting for the authentication of *Ruta graveolens*. African J. Biotechnol., 2011, 10 (44), 8709-8715.
1569. Kiani, I.E. Anti-viral compositions and method. US Patent 7700137 B1, 2010.
1570. Kiani, I.E. Composition and method for treating viral conditions. US Patent 8637094 B2, 2014
1571. Kiani, I.E. Method of treating viral conditions. US Patent 7850998,B2 2010
1572. Krause, M.S. A de Fatima Bonetti, J. de Melo Turnes et al. Phytochemistry and biological activities of *Zanthoxylum rhoifolium* Lam., Rutaceae - mini review. Visão Acadêmica Curitiba, 2013, 14, 4, 118-127.
1573. Krause, M.S. Estudos morfoanatômico, fitoquímico e de atividades biológicas de folha e caule de *Zanthoxylum rhoifolium* LAM., Rutaceae. MS Thesis, Universidade Federal do Parana, 2013.
1574. Krause, Mariana Saragioto. "Estudos morfoanatômico, fitoquímico e de atividades biológicas de folha e caule de *Zanthoxylum rhoifolium* Lam., Rutaceae." (2013).
1575. Kunicka-Styczyńska, A. and J. Gibka. Antimicrobial activity of undecan-x-ones (x = 2-4). Polish Journal of Microbiology. 2010, 59(4), 301-306.
1576. Law S., Sanyal S., Chatterjee R., Law A., Law A., Chattopadhyay S. Therapeutic management of peritoneal ascitic sarcomatosis by *Ruta graveolens*: A study in experimental mice. Pathol. Res. Pract., 214 (9), 1282-1290, 2018.
1577. Lopes, L.T.A., J.R. de Paula, L.M.F. Tresvenzol, M.T.F. Bara, S. de Sá, P.H. Ferri and T.S. Fiuza. Chemical composition and antimicrobial activity of essential oil and anatomy of citrus limettoides tanaka (rutaceae) leaves and stem. Revista de Ciencias Farmaceuticas Basica e Aplicada. 2013, 34(4), 503-511. ISSN:1808-4532.
1578. Luo, Wen, et al. "Synthesis, in vitro and in vivo biological evaluation of novel graveoline derivatives as potential anti-Alzheimer agents." Bioorganic & Medicinal Chemistry 28.1 (2020): 115190.
1579. Malik, A.A., Ahmad, J., Suryapani, S., et al. Effect of inorganic and biological fertilizer treatments on essential oil composition of *Ruta graveolens* L. J. Herbs, Spices Med. Plants, 18 (2), 2012, 191-202.
1580. Malik, Sonia, et al. "Ruta graveolens: Phytochemistry, Pharmacology, and Biotechnology." Transgenesis and Secondary Metabolism (2017): 177-204.
1581. Mariotti, K.C., R.S. Schuh, J.M. Nunes, S.P. Salamoni, G. Meirelles, F. Barreto, G.L. Von Poser, R.B. Singer, E. Dallegrave, S.T. Van Der Sand and R.P. Limberger. Chemical constituents and pharmacological profile of *Gunnera manicata* L. extracts. Brazilian Journal of Pharmaceutical Sciences. 2014, 50(1), 147-154.
1582. Matvieieva, Nadiia A. "Regeneration of *Ruta graveolens* Transgenic Plants." Ekin Journal of

1583. Meccia, C., G. Rojas, and L.B. Usubillaga. Study on the essential oil of *Ruta graveolens* L. that grows in Mérida state, Venezuela. *Revista de la Facultad de Farmacia, Universidad de los Andes, Merida, Venezuela*, 2009, 50, 7-9.
1584. Mguis, K., A. Albouchi, N.B. Brahim. Effect of temperature and salinity on germination of *Ruta graveolens* L. *Acta Bot. Gallica: Bot. Let.*, 2011, 158, 4, 645-652.
1585. Mirrezaee, Noshin, and SHahin Mehrpour. "Effects of antifungal Rue on the candida albicans isolated from patients with vaginitis on in vitro during spring and winter seasons and comparison with two antibiotics." *Yafte* 19.2 (2017).
1586. Moghadam MAJ, Honarmand H, Falah-Delavar S, Saeidinia A. Study on antibacterial effect of *Ruta graveolens* extracts on pathogenic bacteria. *Ann. Biol. Res.* 2012, 3(9), 4542-4545.
1587. Mulat, M. Chali, K Tariku, Y Bacha, K. Evaluation for in-vitro antibacterial activity of selected medicinal plants against food-borne pathogens. *International Journal of Pharmaceutical Sciences Review and Research* 2015, 32, 2, 45-50.
1588. Naghibi Harat, Z., Kamalinejad, M., Sadeghi, M.R., Sadeghipour, H.R., Eshraghian, M.R. A review on *Ruta graveolens* L.; its usage in traditional medicine and modern research data (2009) *Journal of Medicinal Plants*, 8 (30), pp. 1-19+173.
1589. Negri, G. and E. Rodrigues. Essential oils found in the smoke of "tira-capeta", a cigarette used by some quilombolas living in pantanal wetlands of Brazil. *Brazilian J. Pharmacognosy*. 2010, 20(3), 310-316.
1590. Pandey, P., A. Mehta, S. Hajra, et al. Anthelmintic activity of *Ruta graveolens* L. leaves extract. *Med. Plants*, 2010, 2, 3, 241-243.
1591. Pandey, P., A. Mehta, S. Hajra. Evaluation of antimicrobial activity of *Ruta graveolens* stem extracts by disc diffusion method. *J. Phytol.*, 2011, 3, 3, 92-95.
1592. Parray, S.A., Bhat, J.U., Ahmad, G., et al. *Ruta graveolens*: from traditional system of medicine to modern pharmacology: an overview. *Am. J. Pharm. Tech. Res.*, 2012, 2 (2), 239-252.
1593. Pathak, R., Panayides, J.-L., Jeftic, T.D., De Koning, C.B., Van Otterlo, W.A.L. The synthesis of 5-, 6-, 7- and 8-membered oxygen-containing benzo-fused rings using alkene isomerization and ring-closing metathesis reactions (2007) *South African Journal of Chemistry*, 60, pp. 1-7.
1594. Patil, A.G., Jobanputra, A.H. Rutin-Chitosan Nanoparticles: Fabrication, Characterization and Application in Dental Disorders. *Polymer - Plastics Technology and Engineering* Volume 54, Issue 2, 23 January 2015, Pages 202-208.
1595. Pavić, Valentina, et al. "Assessment of Total Phenolic Content, In Vitro Antioxidant and Antibacterial Activity of *Ruta graveolens* L. Extracts Obtained by Choline Chloride Based Natural Deep Eutectic Solvents." *Plants* 8.3 (2019): 69.
1596. Pavlović, D.R., M. Vukelić, S. Najman, M. Kostić, et al. Assessment of polyphenol content, in vitro antioxidant, antimicrobial and toxic potentials of wild growing and cultured rue. *J. Appl. Botany Food Qual.*, 2014, 87, 175-181.
1597. Pomagualli Quinchuela, Fanny Yolanda. Actividad antimicrobiana del extracto alcohólico y aceite esencial de *Rosmarinus officinalis* "Romero" frente a la cepa *Pseudomona aeruginosa*. MS thesis. 2018.
1598. POONKODI, KATHIRVEL, et al. "GAS CHROMATOGRAPHY-MASS SPECTROMETRY ANALYSIS AND IN VITRO ANTIOXIDANT ACTIVITIES OF *RUTA GRAVEOLENS* L. FROM WESTERN GHATS REGION-SOUTH INDIA." *GAS* 10.5 (2017).

1599. Posada, E.V.J. Efectos de los extractos polares de *Ruta graveolens*, *Nicotiana tabacum* y *Chrysanthemum morifolium* sobre el hongo *Botrytis cinerea* de la mora de castilla (*Rubus glaucus* Benth). MS Thesis, Universidad Tecnológica De Pereira, 2013.
1600. Preethi, K.C., Nair, C.K.K., Kuttan, R. Clastogenic potential of *Ruta graveolens* extract and a homeopathic preparation in mouse bone marrow cells (2008) *Asian Pacific Journal of Cancer Prevention*, 9 (4), pp. 763-769.
1601. Prudente, R.C.C. and R.B. de Moura. Evidências científicas para a indicação popular de algumas espécies da família Rutaceae no tratamento de doenças respiratórias na região Sudeste do Brasil. *Infarma-Ciências Farmacêuticas*, 2013, 21, 1, 24-31.
1602. Rahim, F., G. Saki and M. Bazrafkan. Effect of alcohol extracts of the *Ruta graveolens* L. on the count, motility and in vitro fertilization capacity of rat's sperm. *Asian Journal of Plant Sciences*. 2010, 9(1), 63-66.
1603. Ribeiro Magno-Silva, Elis, Tainá Teixeira Rocha, and Ana Cláudia Caldeira Tavares-Martins. "Ethnobotany and ethnopharmacology of medicinal plants used in communities of the Soure Marine Extractive Reserve, Pará State, Brazil." *Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas* 19.1 (2020).
1604. Sabale, P., Bhimani, B., Prajapati, C., et al. An overview of medicinal plants as wound healers, *J. Appl. Pharm. Sci.*, 2 (11), 2012, 143-150.
1605. Saeidinia, Amin, et al. "Lack of antibacterial activity of *Ruta graveolens* extracts against *Enterococcus faecalis*." *Pak J Pharm Sci* 29.4 (2016): 1371-1374.
1606. SANCHEZ, GILDARDO RIVERA. "*Ruta graveolens* extracts and metabolites against *Spodoptera frugiperda*." (2015).
1607. Santos, Rodrigo Souza, et al. "Registros de ocorrência e novos hospedeiros de *Gargaphia lunulata* (Mayr)(Hemiptera: Tingidae) nos estados do Acre e Paraná." *Embrapa Acre-Nota Técnica/Nota Científica (ALICE)* (2017).
1608. Semerdjieva, Ivanka B., et al. "Essential Oil Composition of *Ruta graveolens* L. Fruits and *Hyssopus officinalis* Subsp. *aristatus* (Godr.) Nyman Biomass as a Function of Hydrodistillation Time." *Molecules* 24.22 (2019): 4047.
1609. Stafford, G.I., Pedersen, P.D., Jäger, A.K., Van Staden, J. Monoamine oxidase inhibition by southern African traditional medicinal plants (2007) *South African Journal of Botany*, 73 (3), pp. 384-390.
1610. Taheriazam, Afshin, Amin Saeidinia, and Faeze Keihanian. "ANTIBACTERIAL ACTIVITY OF HEXANIC EXTRACT OF *RUTA GRAVEOLENS* ON *KLEBSIELLA PNEUMONIAE*-A COMMON POST-ORTHOPEDIC SURGERY INFECTION." *INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH* 9.4 (2018): 1650-1653.
1611. Tosun, G., Arslan, T., Iskefiyeli, Z., Küçük, M., Karaoğlu, Ş.A., Yayli, N. Synthesis and biological evaluation of a new series of 4-alkoxy-2-arylquinoline derivatives as potential antituberculosis agents. *Turkish Journal of Chemistry* 2015, 39, 850-866.
1612. Tweij-Thu-Alfeqar, R., and Hameed-Sarmad Adil. "Comparative study between pre and post bacterial growth of periodontal infections by treatment with extracts *Rue*. An in vitro study." *Journal of Pharmaceutical Sciences and Research* 11.1 (2019): 104-109.
1613. В а й н о в с к а я, И. Ф., and Т. И. Фоменко. "КУЛЬТУРА КЛЕТОК И ТКАНЕЙ IN VITRO ФАРМОКОПЕЙНОГО РАСТЕНИЯ *RUTAGRAVEOLENS* L. ДЛЯ БИОТЕХНОЛОГИЧЕСКОГО ИСПОЛЬЗОВАНИЯ." Биологически активные вещества растений-изучение и использование.
1614. К а р о м а т о в, Ином Джураевич. "Простые лекарственные средства." (2012).

1615. Кароматов, Иномжон Джураевич, and Суръат Сирожович Мавлонов. "Рута душистая перспективное лекарственное растение." Биология и интегративная медицина 6 (2018).
1616. Ястремська, Лариса Сергіївна. "Antimicrobial activity of extracts of "hairy" root culture and regenerated plants of *Ruta graveolens* L. against some soil and pathogenic bacteria." (2017).

92). Ivanova A., Mikhova B., NAJDENSKI H., Tsvetkova I., Kostova I. Chemical composition and antimicrobial activity of wild garlic *Allium ursinum* of Bulgarian origin. Natural Product Communications, 8, 4, 2009, 1059-1062, ISSN: 1934-578X IF 0.810

1617. Amany, S.Y., Suzan, A.E.F., Samy, A.E.A., & Rasha, A.A.A. Microorganisms isolated from surgical wounds infection and treatment with different natural products and antibiotics. African J. Microbiol. Res., 2013, 7(30), 3895-3902.
1618. Bagiu RV, Vlaicu B, Butnariu M. Chemical composition and in vitro antifungal activity screening of the *Allium ursinum* L. (Liliaceae). Int. J. Mol. Sci., 13 (2), 2012, 1426-1436.
1619. Bârlă G.F., Poroch-Serițan M., Sănduleac (Tudosî) E., Ciornei (Ștefăroi) S.E. Antioxidant activity and total phenolic content in *Allium ursinum* and *Ranunculus ficari*. Volume XIII, Issue 4 – 2014, pag. 349 – 353
1620. BÂRLĂ, Gheorghe-Florin, et al. "Antioxidant activity and total phenolic content in *Allium ursinum* and *Ranunculus Ficaria*." Food and Environment Safety Journal 13.4 (2016).
1621. Benkerroum N. Traditional Fermented Foods of North African countries: technology and food safety challenges with regard to microbiological risks. Comprehens. Rev. Food Sci.. Food Safety, 2013, 1, 12, 54-89.
1622. Bombicz, Mariann, et al. "A novel therapeutic approach in the treatment of pulmonary arterial hypertension: *Allium ursinum* liophyllisate alleviates symptoms comparably to sildenafil." International journal of molecular sciences 18.7 (2017): 1436.
1623. Christiana, Jesumirhewe, Utomi Ozioma Lilian, and Ogunlowo Oladejo Peter. "Comparison of the phytochemicals and antimicrobial activity of leaf extracts of *Calotropis procera*, *Momordica charantia* and *Allium ascalonicum*." African Journal of Biological Sciences 2.2 (2020): 112-117.
1624. Da Silva, F.G.E., F.R. Da S. Mendes, J.C. Da C. Assunção, et al. Seasonal variation, larvicidal and nematicidal activities of the leaf essential oil of *Ruta graveolens* L. J. Essent. Oil Res., 2014, 26(3), 204-209.
1625. Džaferović, Aida, et al. "ANTIMIKROBNO DJELOVANJE BILJNIH EKSTRAKATA IZ RODA *Allium* ANTIMICROBAL ACTIVITY OF PLANT EXTRACTS FROM GENUS *Allium*." PROCEEDINGS/ZBORNİK RADOVA: 65.
1626. Farshbaf-Khalili, Azizeh, et al. "Comparing the effect of garlic, *zataria multiflora* and clotrimazole vaginal cream 2% on improvement of fungal vaginitis: a randomized controlled trial." Iranian Red Crescent Medical Journal 18.12 (2016).
1627. Greplová, M., Polzerová, H., Ptáček, J., Domkářová, J. (2015). Preliminary experience with protoplast culture of *Allium ursinum*. Acta Horticulturae (Conference Paper), 1083, 461-467.
1628. Grzesiak B., Kołodziej B., Głowacka A., Krukowski H. The Effect of Some Natural Essential Oils Against Bovine Mastitis Caused by *Prototheca zopfii* Isolates In Vitro. Mycopathologia, 183(3), 541-550, 2018.
1629. Jiang, Z., L. Liu, X. Zheng, et al. Effects of three relay intercropping patterns on watermelon growth and soil microflora in continuous cropping. Acta Agric. Changhai, 2012, 1, 60-64.
1630. Joardder, Mohammad UH, and Mahadi Hasan Masud. "Food preservation techniques in

developing countries." Food Preservation in Developing Countries: Challenges and Solutions. Springer, Cham, 2019. 67-125.

1631. Jung, Hyo Young, et al. "Essential oils from two *Allium* species exert effects on cell proliferation and neuroblast differentiation in the mouse dentate gyrus by modulating brain-derived neurotrophic factor and acetylcholinesterase." BMC complementary and alternative medicine 16.1 (2016): 431.
1632. Khumaidi, Akhmad, Kumalahayati Maulina, and Arsa Wahyu Nugrahani. "Antibacterial Activity of *Allium ascalonicum* Linn Fractions A562275sal from the Palu Valley against *Shigella dysenteriae*." JURNAL ILMU KEFARMASIAN INDONESIA 17.2 (2019): 199-209.
1633. Kim, Hyun Woo, et al. "Biological activity and cosmetic preservative effects of *Rosa multiflora* ethanol extracts." Korean Journal of Medicinal Crop Science 26.4 (2018): 308-316.
1634. Krivokapić, Miloš Z. ИСПИТИВАЊЕ АНТИМИКРОБНИХ, АНТИИНФЛАМАЦИЈСКИХ, АНТИОКСИДАЦИОНИХ И КАРДИОПРОТЕКТИВНИХ ЕФЕКТА ЕКСТРАКТА СРЕМУША, *ALLIUM URSINUM* L "UNIVERISTY OF KRAGUJEVAC FACULTY OF MEDICAL SCIENCES."
1635. Krivokapic, Milos, et al. "Phytochemical and Pharmacological Properties of *Allium ursinum*." Serbian Journal of Experimental and Clinical Research 1.ahead-of-print (2018).
1636. Kunicka-Styczyńska, A. and J. Gibka. Antimicrobial activity of undecan-x-ones (x = 2-4). Polish J. Microbiol., 2010, 59(4), 301-306.
1637. Kyung, KH. Antimicrobial properties of allium species. Curr. Opin. Biotechnol., 23 (2), 2012, 142–147.
1638. Lachowicz, Sabina, et al. "Comparison of phenolic content and antioxidant capacity of bear garlic (*Allium ursinum* L.) in different maturity stages." Journal of Food Processing and Preservation 41.1 (2017).
1639. Lachowicz, Sabina, et al. "Influence of Maturity on the Content of Phenolic Compounds of *Alium ursinum* L." Journal of Food Processing and Preservation 41.1 (2017).
1640. Laurent, Emilien. "L'aromathérapie, la phytothérapie et les médicaments homéopathiques pour la prise en charge thérapeutique du sportif amateur: conseils à l'officine." (2017).
1641. Lazarević, J.S., A.S. Đorđević, B.K. Zlatković, et al. Chemical composition and antioxidant and antimicrobial activities of essential oil of *Allium sphaerocephalon* L. subsp. *sphaerocephalon* (Liliaceae) inflorescences. J. Sci. Food Agricult., 2011, 91, 2, 322-329.
1642. Li, R., Wang, Y.-F., Sun, Q., Hu, H.-B. Chemical composition and antimicrobial activity of the essential oil from *Allium hookeri* consumed in Xishuangbanna, Southwest China, Nat. Prod. Communic., 2014, 9, 6, 863-864.
1643. Lopes, L.T.A., J.R. de Paula, L.M.F. Tresvenzol, et al. Chemical composition and antimicrobial activity of essential oil and anatomy of citrus limettioides tanaka (rutaceae) leaves and stem. Revista de Ciencias Farmaceuticas Basica e Aplicada. 2013, 34(4), 503-511.
1644. Mariotti, K.C., R.S. Schuh, J.M. Nunes, et al. Chemical constituents and pharmacological profile of *Gunnera manicata* L. extracts. Brazilian J. Pharm. Sci., 2014, 50(1), 147-154.
1645. Mekonnen, H., A. Lemma. Plant species used in traditional smallholder dairy processing in East Shoa, Ethiopia. Trop. Anim. Health Prod., 2011, 43, 833-841.
1646. Mihaylova, D.S., Lante, A., Tinello, F., & Krastanov, A.I. Study on the antioxidant and antimicrobial activities of *Allium ursinum* L. pressurised-liquid extract. Natural Product Research, (ahead-of-print), 2014, 1-6. DOI:10.1080/14786419.2014.923422
1647. Mihaylova, Dasha Sp, et al. "Study on the antioxidant and antimicrobial activities of *Allium ursinum* L. pressurised-liquid extract." Natural product research 28.22 (2014): 2000-2005

1648. Mitra, S., N. Maryam, H. Zeinab. Antibacterial effect of *Allium akaka* herbal extract on planktonic and biofilm cells of pathogen bacteria in laboratory conditions. *Ann. Rev. & Res. Biol.*, 2014, 4, 20.
1649. Mitra, Salehi, Navidi Maryam, and Hatami Zeinab. "Antibacterial Effect of *Allium akaka* Herbal Extract on Planktonic and Biofilm Cells of Pathogen Bacteria in Laboratory Conditions." *Annual Research & Review in Biology* (2014): 3087-3095.
1650. Mok, S.Y., Kim, H.M., Lee, S. Isolation of astragalin from flowers of *Rhododendron mucronulatum* for albiflorum. *Horticulture, Environm. Biotechnol.*, 2013, 54.5: 450-455.
1651. Mousavi, S. M., L. Najafian, and M. Farsi. "Effect of carboxymethyl cellulose and sodium alginate-based edible coating containing wild garlic (*Allium ursinum* L.) extract on the shelf-life of lactic cheese." *Food Hygiene* 10.1 (37) (2020): 73-89.
1652. Negri, G. and E. Rodrigues. Essential oils found in the smoke of "tira-capeta", a cigarette used by some quilombolas living in pantanal wetlands of Brazil. *Brazilian J. Pharmacognosy*, 2010, 20(3), 310-316.
1653. Oszmiański J., Kolniak-Ostek J., Wojdyło A. Characterization and content of flavonol derivatives of *Allium ursinum* L. plant. *J. Agr. Food Chem.*, 2013, 1, 61, 176-184.
1654. Ozcan, Mehmet Musa. "Bioactive properties of garlic (*Allium sativum* L.)-A review." *ZEITSCHRIFT FÜR ARZNEI- & GEWURZPFLANZEN* 21.4 (2016): 174-182.
1655. Pacirc, M., A.E. Pacirc, L. Vlase, et al. Antifungal properties of *Allium ursinum* L. ethanol extract. *J. Med. Plants Res.*, 2011, 5, 10, 2041-2046.
1656. Packia Lekshmi, N. C. J., et al. "Antimicrobial spectrum of *Allium* species—a review." *History* 15.44 (2015): 1-5.
1657. Pant, H.M., Pant, N., & Negi, J.S. Study on ethno-medicinal practices and system of cure among the people of rath region of Garhwal Himalaya, Uttarakhand. *Nature & Science*, 2011, 9(6). <http://www.sciencepub.net/nature>
1658. Parvu, A.E., Catoi, F., Deelawar, S., et al. Anti-inflammatory effect of *Allium ursinum*. *Notulae Scientia Biologicae*, 2014, 6(1), 20-26.
1659. Pârvu, M., A.E. Pârvu. Antifungal plant extracts. In *Science against microbial pathogens: communicating current research and technological advances*. A. Mendez-Vilaz (ed.), Formatex Research Center, Badajoz (Spain), 2011, 1055-1062.
1660. Petkova, D. T., et al. "Green approach to obtain extracts of seven edible flowers." *IOP Conference Series: Materials Science and Engineering*. Vol. 1031. No. 1. IOP Publishing, 2021.
1661. Petkova, N. Tr, et al. "Fructans and antioxidants in leaves of culinary herbs from Asteraceae and Amaryllidaceae families." *Food Research* 3.5 (2019): 407-415.
1662. Petropoulos, Spyridon A., et al. "Natural antioxidants, health effects and bioactive properties of wild *Allium* species." *Current Pharmaceutical Design* 26.16 (2020): 1816-1837
1663. Piatkowska, E., A. Kopec, and T. Leszczynska. "Basic chemical composition, content of micro-and macroelements and antioxidant activity of different varieties of garlic's leaves Polish origin." *Żywność Nauka Technologia Jakość* 22.1 (2015).
1664. Pop, Raluca Maria, et al. "Evaluation of the Antioxidant Activity of *Nigella sativa* L. and *Allium ursinum* Extracts in a Cellular Model of Doxorubicin-Induced Cardiotoxicity." *Molecules* 25.22 (2020): 5259.
1665. Popova A., Mihaylova D., Alexieva I. GC-MS chemical composition of volatile oil and mineral element content of *Allium ursinum* and *Nectaroscordum siculum*. *Pak. J. Bot*, 50 (6), 2351-2354, 2018.
1666. Rabah, Samia, et al. "Unveiling the bioactivity of *Allium triquetrum* L. lipophilic fractions:

- chemical characterization and in vitro antibacterial activity against methicillin-resistant *Staphylococcus aureus*." *Food & Function* 11(6), (2020) 1-10.
1667. Radusin, Tanja, et al. "Hybrid Pla/wild garlic antimicrobial composite films for food packaging application." *Polymer Composites* 40.3 (2019): 893-900.
 1668. Radusin, Tanja, et al. "Preparation, characterization and antimicrobial properties of electrospun polylactide films containing *Allium ursinum* L. extract." *Food Packaging and Shelf Life* 21 (2019): 100357.
 1669. Rahim, F., G. Saki and M. Bazrafkan. Effect of alcohol extracts of the *Ruta graveolens* L. on the count, motility and in vitro fertilization capacity of rat's sperm. *Asian J. Plant Sci.*, 2010, 9(1), 63-66.
 1670. Riaz A., Rasul A., Hussain G., Zahoor M. K., Jabeen F., Subhani Z., Selamoglu Z. Astragalin: A Bioactive Phytochemical with Potential Therapeutic Activities. *Adv. Pharmacol. Sci.* 2018, 9794625, 2018.
 1671. Sadeghi Dinani, Masoud, and Narges Zakeri Tehrani. "Bioassay Guided Fractionation of *Allium austroiranicum* by Cytotoxic Effects against Ovary and Cervical Cancer Cell Lines." *Research Journal of Pharmacognosy* 7.1 (2020): 1-6.
 1672. Sharifi-Rad, J., et al. "Plants of the genus *Allium* as antibacterial agents: From tradition to pharmacy." *Cellular and Molecular Biology* 62.9 (2016): 57-68.
 1673. SİNİR, GÜLŞAH ÖZCAN, and Sheryl Ann Barringer. "Variety differences in garlic volatile sulfur compounds, by application of selected ion flow tube mass spectrometry (SIFT-MS) with chemometrics." *Turkish Journal of Agriculture and Forestry* 44.4 (2020): 408-416.
 1674. Škrovánková S., Mlček J., Snopek L., Planetová T. Polyphenols and antioxidant capacity in different types of garlic. *Potravinárstvo Slovak J. Food Sci.*, 12 (1), 267-272, 2018.
 1675. Sobolewska D., Podolak I., Makowska-Was J. *Allium ursinum*: botanical, phytochemical and pharmacological overview. *Phytochem Rev* (2015) 14:81–97
 1676. Sobolewska, Danuta, Irma Podolak, and Justyna Makowska-Was. "Allium ursinum: botanical, phytochemical and pharmacological overview." *Phytochemistry reviews* 14.1 (2015): 81-97.
 1677. Šobot, Kosana, et al. "Contribution of Osmotically Dehydrated Wild Garlic on Biscuits' Quality Parameters." *Periodica Polytechnica Chemical Engineering* 63.3 (2019): 499-507.
 1678. Stanisavljević, Nemanja, et al. "Antioxidant and antiproliferative activity of *Allium ursinum* and their associated microbiota during simulated in vitro digestion in the presence of food matrix." *Frontiers in microbiology* 11 (2020).601616
 1679. Ting, J., Liu, L., Z. Qing, et al. Three intercropping patterns of watermelon growth and soil microbial flora at continuous cropping. *Shanghai Agr. Sci.*, 2012, 28 (1), 60-64.
 1680. Tomovic, Marina T., et al. "BIOLOGICAL ACTIVITIES OF DIFFERENT EXTRACTS FROM ALLIUM URSINUM LEAVES." *Acta Poloniae Pharmaceutica-Drug Research* 77.1 (2020): 121-129.
 1681. Tomšik A., Šarić L., Bertoni S., Protti M., Albertini B., Mercolini L., Passerini N. (2018). Encapsulations of wild garlic (*Allium ursinum* L.) extract using spray congealing technology. *Food Res. Int.*, 2018, 941-950.
 1682. Uddin, Shaikh Jamal. Cytotoxicity Screening of Bangladeshi Medicinal Plants and Isolation and Structural Elucidation of Novel Anti-Cancer Compounds from *Acrostichum aureum*. Griffith University, 2011.
 1683. Vidović, Senka, et al. "Supercritical Carbon Dioxide Extraction of *Allium ursinum*: Impact of Temperature and Pressure on the Extracts Chemical Profile." *Chemistry & Biodiversity* 18.4 (2021):

1684. Vlase, L., M. Parvu, E.A. Parvu et al. Phytochemical analysis of *Allium fistulosum* L. and *A. ursinum* L. Digest J. Nanomat.Biostruct., 2012, 8(1), 457-467.
1685. Xu X-Y., Song G-Q., Yu Y-Q., et al. Apoptosis and G2/M arrest induced by *Allium ursinum* (ramson) watery extract in an AGS gastric cancer cell line. OncoTargets and Therapy, 6, 2013, 779-783.
1686. Yang FL, Zhu F, Lei CL. Insecticidal activities of garlic substances against adults of grain moth, *Sitotroga cerealella* (Lepidoptera: Gelechiidae). Insect Science, 19, 2012, 205-212.
1687. Youssef, Amany S., et al. "Microorganisms Isolated from Surgical Wounds Infection and Treatment with Different Natural Products and Medications." International Journal of Medical and Health Sciences 7.6 (2013): 236-239.
1688. Zadeh Hosseingholi, Elaheh, et al. "In silico identification and characterization of antineoplastic asparaginase enzyme from endophytic bacteria." IUBMB life 72.5 (2020): 991-1000.
1689. Zhu, X., Zhang, F., Zhou, L., et al. Diallyl trisulfide attenuates carbon tetrachloride-caused liver injury and fibrogenesis and reduces hepatic oxidative stress in rats. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387(5), 445-455.

93). Bengoechea, J.A., NAJDENSKI, H., Skurnik, M. Lipopolysaccharide O antigen status of *Yersinia enterocolitica* O:8 is essential for virulence and absence of O antigen affects the expression of other *Yersinia* virulence factors (2004) Mol. Microbiol. 52 (2), 451-469.

1690. Abeyrathne, P.D., Daniels, C., Poon, K.K.H., Matewish, M.J., Lam, J.S. Functional characterization of WaaL, a ligase associated with linking O-antigen polysaccharide to the core of *Pseudomonas aeruginosa* lipopolysaccharide (2005) Journal of Bacteriology, 187 (9), pp. 3002-3012.
1691. Ahrens, Peter, et al. "Characterization and Biological Role of the." J. Bacteriol 189.20 (2007): 7244.
1692. 1597. Aich, Udayanath, and Kevin J. Yarema. "Glycobiology and immunology." Carbohydrate-Based Vaccines and Immunotherapies. Hoboken, New Jersey: John Wiley & Sons (2009): 1-54.
1693. Alenezi, Dhahi. Comparative pathogenesis of *Yersinia enterocolitica* biotypes. Diss. Nottingham Trent University, 2015.
1694. Asad, Zahra. "Role of iNOS in septic pulmonary microvascular endothelial cell activation." (2013).
1695. Asadishad, B., S. Ghoshal, N. Tufenkji. Role of cold climate and freeze-thaw on the survival, transport, and virulence of *Yersinia enterocolitica*. Environ. Sci. Technol., 2013, 47 (24), 14169–14177.
1696. Augustin, D. K., et al. "Presence or absence of lipopolysaccharide O antigens affects type III secretion by *Pseudomonas aeruginosa*." Journal of bacteriology 189.6 (2007): 2203-2209.
1697. Augustin, D.K. Identifying mechanism of traversal of corneal epithelial cells by *Pseudomonas aeruginosa*. PhD Thesis, University of California, Berkeley, 2011.
1698. Bartra, Sara Schesser, et al. "Resistance of *Yersinia pestis* to complement-dependent killing is mediated by the Ail outer membrane protein." Infection and immunity 76.2 (2008): 612-622.
1699. Beims, Hannes, et al. "Discovery of *Paenibacillus larvae* ERIC V: Phenotypic and genomic comparison to genotypes ERIC I-IV reveal different inventories of virulence factors which correlate with epidemiological prevalences of American Foulbrood." International Journal of Medical Microbiology 310.2 (2020): 151394.
1700. Biedzka-Sarek, M., Molecular Details of Serum Resistance of *Yersinia enterocolitica*.

Doctoral dissertation. University of Helsinki, Faculty of Medicine, Haartman Institute, Bacteriology and Immunology, 2008.

1701. Bozcal, Elif, et al. "LuxCDE-luxAB-based promoter reporter system to monitor the *Yersinia enterocolitica* O: 3 gene expression in vivo." *PloS one* 12.2 (2017): e0172877.
1702. BOZCAL, Elif. "A general view on virulence determinants and infection strategies of *Yersinia enterocolitica*." *Minerva Biotechnologica* 32.1 (2020): 29-37.
1703. Bravo, D., Silva, C., Carter, J.A., Hoare, A., Álvarez, S.A., Blondel, C.J., Zaldívar, M., Valvano, M.A., Contreras, I. Growth-phase regulation of lipopolysaccharide O-antigen chain length influences serum resistance in serovars of *Salmonella* (2008) *J. Med. Microbiol.*, 57 (8), pp. 938-946.
1704. by Dendritic, That Promotes Phagocytosis, and Adhesion Molecule-Grabbing Nonintegrin. "Human Dendritic Cell-Specific Intercellular." *Infect. Immun* 76.5 (2008): 2070.
1705. by Lipopolysaccharide, Modulated. "*Yersinia enterocolitica* Expression of the." *Infect. Immun* 75.3 (2007): 1512.
1706. Byvalov, A. A., V. L. Kononenko, and I. V. Konyshev. "Effect of lipopolysaccharide O-side chains on the adhesiveness of *Yersinia pseudotuberculosis* to J774 macrophages as revealed by optical tweezers." *Applied Biochemistry and Microbiology* 53.2 (2017): 258-266.
1707. Byvalov, A. A., V. L. Kononenko, and I. V. Konyshev. "Single-Cell Force Spectroscopy of Interaction of Lipopolysaccharides from *Yersinia pseudotuberculosis* and *Yersinia pestis* with J774 Macrophage Membrane Using Optical Tweezers." *Biochemistry (Moscow), Supplement Series A: Membrane and Cell Biology* 12.2 (2018): 93-106.
1708. Byvalov, A.A. et al. "Single-Cell force spectroscopy of interaction of lipopolysaccharide from *Yersinia pseudotuberculosis* and *Yersinia pestis* with j774 macrophage using optical tweezers", *Biologicheskie Membrany* 35.2(2018): 115-130.
1709. Canals, Rocío, et al. "The UDP N-acetylgalactosamine 4-epimerase gene is essential for mesophilic *Aeromonas hydrophila* serotype O34 virulence." *Infection and immunity* 74.1 (2006): 537-548.
1710. Carlsson, K.E., Liu, J., Edqvist, P.J., Francis, M.S. Influence of the Cpx extracytoplasmic-stress-responsive pathway on *Yersinia* sp.-eukaryotic cell contact (2007) *Infection and Immunity*, 75 (9), pp. 4386-4399.
1711. Changchang, XC., B. Liu, B. Hu, et al. Biochemical characterization of UDP-gal:glcNac-pyrophosphate-lipid β -1,4-galactosyltransferase WfeD, a new enzyme from *Shigella boydii* type 14 that catalyzes the second step in O-antigen repeating-unit synthesis. *J. Bacteriol.*, 2011, 193, 2 449-459
1712. Crimmins, Gregory T., et al. "Identification of MrtAB, an ABC transporter specifically required for *Yersinia pseudotuberculosis* to colonize the mesenteric lymph nodes." *PLoS Pathog* 8.8 (2012): doi:10.1371/journal.ppat.1002828.
1713. Czuchry, Diana, Walter A. Szarek, and Inka Brockhausen. "Identification and biochemical characterization of WbwB, a novel UDP-Gal: Neu5Ac-R α 1, 4-galactosyltransferase from the intestinal pathogen *Escherichia coli* serotype O104." *Glycoconjugate journal* 35.1 (2018): 65-76.
1714. Czuchry, Diana, Walter A. Szarek, and Inka Brockhausen. "Identification and biochemical characterization of WbwB, a novel UDP-Gal: Neu5Ac-R α 1, 4-galactosyltransferase from the intestinal pathogen *Escherichia coli* serotype O104." *Glycoconjugate journal* (2017): 1-12.
1715. DebRoy, C., E. Roberts, and P.M. Fratamico. Detection of O antigens in *Escherichia coli*. *Anim. Health Res. Rev.*, 2011, 12 :169-185.
1716. Dhar, Mahesh Shanker, and Jugsharan Singh Viridi. "Strategies used by *Yersinia*

- enterocolitica to evade killing by the host: thinking beyond Yops." *Microbes and infection* 16.2 (2014): 87-95.
1717. Di Lorenzo, F., De Castro, C., Lanzetta, R., Parrilli, M., Silipo, A., Molinaro, A. Lipopolysaccharides as microbe-associated molecular patterns: A structural perspective RSC Drug Discovery Series, 2015- 43, 38-63
 1718. Dow, Garrett T., et al. "Structural investigation on WlaRG from *Campylobacter jejuni*: A sugar aminotransferase." *Protein Science* 26.3 (2017): 586-599.
 1719. Dudek, Bartłomiej, et al. "Proteomic analysis of outer membrane proteins from *Salmonella* Enteritidis strains with different sensitivity to human serum." *PloS one* 11.10 (2016): e0164069.
 1720. Fàbrega, A., Ballesté-Delpierre, C., Vila, J. (2015). Antimicrobial Resistance in *Yersinia enterocolitica*. *Antimicrobial Resistance and Food Safety: Methods and Techniques*, 77-104.
 1721. Fàbrega, Anna, and Jordi Vila. "Yersinia enterocolitica: pathogenesis, virulence and antimicrobial resistance." *Enfermedades infecciosas y microbiología clínica* 30.1 (2012): 24-32.
 1722. Fälker, Stefan, et al. "Overproduction of DNA adenine methyltransferase alters motility, invasion, and the lipopolysaccharide O-antigen composition of *Yersinia enterocolitica*." *Infection and immunity* 75.10 (2007): 4990-4997.
 1723. Feodorova, V.A., Golova, A.B. Antigenic and phenotypic modifications of *Yersinia pestis* under calcium and glucose concentrations simulating the mammalian bloodstream environment (2005) *Journal of Medical Microbiology*, 54 (5), pp. 435-441.
 1724. Focà A, Liberto MC, Quirino A, Matera G. Lipopolysaccharides: from erinyes to charites. *Mediators of Inflammation*, 2012, ID 684274, doi:10.1155/2012/684274.
 1725. Francis, M.S. Secretion systems and metabolism in the pathogenic yersiniae. In. *Adv. Mol.Cell. Microbiol.: Stress Response in Pathogenic Bacteria*. CABI Publishing, 2011, pp. 182-220. ISBN:9781845937607.
 1726. Futoma-Kołoch, B., G. Bugła-Płoskońska, and Jolanta Sarowska. "Searching for outer membrane proteins typical of serum-sensitive and serum-resistant phenotypes of *Salmonella*." *Salmonella-Distribution, Adaptation, Control Measures, and Molecular Technologies*; Annous, BA, Ed (2012): 265-290.
 1727. Goebel, Elizabeth M., et al. "O antigen protects *Bordetella parapertussis* from complement." *Infection and immunity* 76.4 (2008): 1774-1780.
 1728. Goldstone, R.J. Investigating the relationship between quorum sensing, motility, and the type 3 secretion system of *Yersinia pseudotuberculosis*. PhD Thesis, University of Nottingham, 2012.
 1729. Gu, W, Wang, X, Qiu, H, et al. Comparative antigenic proteins and proteomics of pathogenic *Yersinia enterocolitica* bio-serotypes 1B/O: 8 and 2/O: 9 cultured at 25°C and 37°C. *Microbiol. Immunol.*, 2012, 56 (9), 583-594.
 1730. Gu, Wen Peng, et al. "Comparison of lipopolysaccharide and protein immunogens from pathogenic *Yersinia enterocolitica* bio-serotype 1B/O: 8 and 2/O: 9 using SDS-PAGE." *Biomedical and Environmental Sciences* 25.3 (2012): 282-290.
 1731. Gutierrez, J. G., et al. "Interleukin-12p40 contributes to protection against lung injury after oral *Yersinia enterocolitica* infection." *Inflammation Research* 57.11 (2008): 504-511.
 1732. Haiko, Johanna, et al. "Invited review: breaking barriers—attack on innate immune defences by omptin surface proteases of enterobacterial pathogens." *Innate immunity* 15.2 (2009): 67-80.
 1733. Hallanvuori, S. Foodborne *Yersinia*: Identification and Molecular Epidemiology of Isolates from Human Infections. Academic Dissertation. University of Helsinki, Faculty of Agriculture and Forestry, 2009.
 1734. Hoare, Anilei, et al. "The outer core lipopolysaccharide of *Salmonella enterica* serovar Typhi

- is required for bacterial entry into epithelial cells." *Infection and immunity* 74.3 (2006): 1555-1564.
1735. Holzer, S. Funktionelle analyse von typ 3 sekretionssystemen in *Salmonella enterica*. Der Naturewissenschaftlichen Fakultät der Friedrich-Alexander Universität Erlangen-Nurnberg, Dissertation, 2010.
 1736. Hong, Lin. Biochemical studies of the enzymes involved in deoxysugar D-forosamine biosynthesis. Diss. 2004.
 1737. Ieva, Raffaele. "Interfering with outer membrane biogenesis to fight Gram-negative bacterial pathogens." *Virulence* (2017): 1-4.
 1738. Ilg, K.C. Glycoengineering and Glycomimicry: *Campylobacter jejuni* carbohydrate structures on *Salmonella enterica* serovar Typhimurium. A dissertation submitted to ETH Zurich for the degree of Doctor of Sciences, 2009.
 1739. Ilg, Karin, et al. "O-antigen-negative *Salmonella enterica* serovar Typhimurium is attenuated in intestinal colonization but elicits colitis in streptomycin-treated mice." *Infection and immunity* 77.6 (2009): 2568-2575.
 1740. Kasperkiewicz, K Swierzko, A.S. Bartlomiejczyk, M.A. Cedzynski, M., Noszczyńska, M., Duda, K.A., Michalski, M., Skurnik, M. Interaction of human mannose-binding lectin (MBL) with *Yersinia enterocolitica* lipopolysaccharide *International Journal of Medical Microbiology* 2015, 305, 544-552.
 1741. Kaszowska M., Jachymek W., Lukasiewicz J., et al. The unique structure of complete lipopolysaccharide isolated from semi-rough *Plesiomonas shigelloides* O37 (strain CNCTC 39/89) containing (2S)-O-(4-oxopentanoic acid)- α -D-Glcp (α -D-Lenose). *Carbohydr. Res.*, 2013, 378, 98-107.
 1742. Kenyon, Johanna J., Monica M. Cunneen, and Peter R. Reeves. "Genetics and evolution of *Yersinia pseudotuberculosis* O-specific polysaccharides: a novel pattern of O-antigen diversity." *Fems microbiology reviews* 41.2 (2017): 200-217.
 1743. Leskinen, K., Varjosalo, M., Li, Z. Li, C.-M., Skurnik, M. Expression of the *Yersinia enterocolitica* O:3 LPS O-antigen and outer core gene clusters is RFAH-dependent *Microbiology (UK)* 2015, 161, 6, 1282-1294
 1744. Lewis, Victoria G., Miranda P. Ween, and Christopher A. McDevitt. "The role of ATP-binding cassette transporters in bacterial pathogenicity." *Protoplasma* 249.4 (2012): 919-942.
 1745. Li, Yang, et al. "Structural and genetic relationships of two pairs of closely related O-antigens of *Escherichia coli* and *Salmonella enterica*: *E. coli* O11/S. *enterica* O16 and *E. coli* O21/S. *enterica* O38." *FEMS Immunology & Medical Microbiology* 61.3 (2011): 258-268.
 1746. Liu, Bin, et al. "Structural and genetic relationships between the O-antigens of *Escherichia coli* O118 and O151." *FEMS Immunology & Medical Microbiology* 60.3 (2010): 199-207.
 1747. Liu, Bin, et al. "Structural diversity in *Salmonella* O antigens and its genetic basis." *FEMS microbiology reviews* 38.1 (2014): 56-89.
 1748. Liu, Bin, et al. "Structure and genetics of *Escherichia coli* O antigens." *FEMS microbiology reviews* 44.6 (2020): 655-683.
 1749. Liu, Bin, et al. "Structure and genetics of *Shigella* O antigens." *FEMS microbiology reviews* 32.4 (2008): 627-653.
 1750. Llobet, Enrique, et al. "*Klebsiella pneumoniae* OmpA confers resistance to antimicrobial peptides." *Antimicrobial agents and chemotherapy* 53.1 (2009): 298-302.
 1751. McGiven, John. "Immunoselection and structural evaluation of *Brucella* O-polysaccharide epitopes and their application to the serodiagnosis of bovine brucellosis." (2013).
 1752. McNally, Alan, et al. "An aflagellate mutant *Yersinia enterocolitica* biotype 1A strain

- displays altered invasion of epithelial cells, persistence in macrophages, and cytokine secretion profiles in vitro." *Microbiology* 153.5 (2007): 1339-1349.
1753. Miguel AV, Hanuszkiewicz A. Proteins involved in the membrane translocation of lipopolysaccharide O antigen. *Mini-Rev. Org. Chem.*, 2012, 9 (3), 261-269.
 1754. Monahan, A. M., J. J. Callanan, and J. E. Nally. "Host-pathogen interactions in the kidney during chronic leptospirosis." *Veterinary pathology* 46.5 (2009): 792-799.
 1755. Murray, Gerald L., et al. "Mutations affecting *Leptospira interrogans* lipopolysaccharide attenuate virulence." *Molecular microbiology* 78.3 (2010): 701-709.
 1756. Nally, Jarlath E., et al. "Changes in lipopolysaccharide O antigen distinguish acute versus chronic *Leptospira interrogans* infections." *Infection and immunity* 73.6 (2005): 3251-3260.
 1757. Nieckarz, Marta, et al. "The Role of OmpR in the Expression of Genes of the KdgR Regulon Involved in the Uptake and Depolymerization of Oligogalacturonides in *Yersinia enterocolitica*." *Frontiers in cellular and infection microbiology* 7 (2017): 366.
 1758. Paunova-Krasteva, T., Stoitsova, S.R., Topouzova-Hristova, T., et al. *Escherichia coli* O157: Effects of growth temperature on concanavalin a binding and the adherence to cultured cells, *Compt. Rend. Acad. Bulg. Sci.*, 2014, 67, 3, 349-354
 1759. Perez, María Florencia, et al. "First report on the plasmidome from a high-altitude lake of the Andean Puna." *Frontiers in microbiology* 11 (2020): 1343.
 1760. Pérez-Gutiérrez, Camino, et al. "Expression of the *Yersinia enterocolitica* pYV-encoded type III secretion system is modulated by lipopolysaccharide O-antigen status." *Infection and immunity* 75.3 (2007): 1512-1516.
 1761. Pérez-Gutiérrez, Camino, et al. "Role of lipid A acylation in *Yersinia enterocolitica* virulence." *Infection and immunity* 78.6 (2010): 2768-2781.
 1762. Pieretti, Giuseppina, et al. "O-chain structure from the lipopolysaccharide of the human pathogen *Halomonas stevensii* strain S18214." *Carbohydrate research* 346.2 (2011): 362-365.
 1763. Pieretti, Giuseppina, et al. "Structural determination of the O-specific polysaccharide from *Aeromonas hydrophila* strain A19 (serogroup O: 14) with S-layer." *Carbohydrate research* 346.15 (2011): 2519-2522.
 1764. Pinta, E. Biosynthesis of *Yersinia enterocolitica* serotype O: 3 lipopolysaccharide outer core. PhD Thesis, University of Turku (Finland), 2010.
 1765. Pinta, Elise, et al. "Characterization of the six glycosyltransferases involved in the biosynthesis of *Yersinia enterocolitica* serotype O: 3 lipopolysaccharide outer core." *Journal of Biological Chemistry* 285.36 (2010): 28333-28342.
 1766. Pinta, Elise, et al. "Identification of three oligo-/polysaccharide-specific ligases in *Yersinia enterocolitica*." *Molecular microbiology* 83.1 (2012): 125-136.
 1767. Rapicavoli, Jeannette N., et al. "O antigen modulates insect vector acquisition of the bacterial plant pathogen *Xylella fastidiosa*." *Applied and environmental microbiology* 81.23 (2015): 8145-8154.
 1768. Regué, Susana Merino, and Juan M. Tomás. "The UDP."
 1769. Reines, M., E. Llobet, K.M. Dahlström, C. Perez-Gutierrez, C.M. Llompарт, N. Torrecabota, T.A. Salminen and J.A. Bengoechea. Deciphering the Acylation Pattern of *Yersinia enterocolitica* Lipid A. *PLoS Pathogens*. 2012, 8(10).
 1770. Reuter, Sandra, et al. "Directional gene flow and ecological separation in *Yersinia enterocolitica*." *Microbial genomics* 1.3 (2015).
 1771. Robert, G.J. Investigating the relationship between quorum sensing, motility, and the type 3 secretion system of *Yersinia pseudotuberculosis*. PhD thesis, University of Nottingham, 2012.

1772. Robins-Browne, Roy M. "Yersinia enterocolitica." Food microbiology: fundamentals and frontiers (2012): 339-376.
1773. Ruan, Xiang, and Miguel A. Valvano. "In vitro O-antigen ligase assay." Glycosyltransferases. Humana Press, Totowa, NJ, 2013. 185-197.
1774. Ruan, Xiang, et al. "The WaaL O-antigen lipopolysaccharide ligase has features in common with metal ion-independent inverting glycosyltransferases." Glycobiology 22.2 (2012): 288-299.
1775. Salinger, Ari J., et al. "Biochemical studies on WbcA, a sugar epimerase from Yersinia enterocolitica." Protein Science 24.10 (2015): 1633-1639.
1776. Sánchez-Gómez, S., R. Conde-Alvarez, J. Antonio, I. Moriyón and G. Martínez-de-Tejada. Modifications in lipopolysaccharide that reduce interaction of bacterial pathogens with the innate immune system and cause resistance to antimicrobial peptides. In. Antimicrobial Peptides: Properties, Functions and Role in Immune Response. Nova Science Publishers, Inc., 2013, pp. 1-30.
1777. Schütz, M., et al. "Trimer stability of YadA is critical for virulence of Yersinia enterocolitica." Infection and immunity 78.6 (2010): 2677-2690.
1778. Senchenkova, S.N., Feng, L., Wang, Q., Perepelov, A.V., Qin, D., Shevelev, S.D., Ren, Y., Shashkov, A.S., Knirel, Y.A., Wang, L. Structural and genetic characterization of Shigella boydii type 17 O antigen and confirmation of two new genes involved in the synthesis of glucolactilic acid (2006) Biochemical and Biophysical Research Communications, 349 (1), pp. 289-295.
1779. Shevchenko, J. I., et al. "Effect of waaL ligase gene deletion on motility and stress adaptation reactions of Y. enterocolitica 6471/76." Cytology and Genetics 49.6 (2015): 358-363.
1780. Shevchenko, J. I., V. K. Pozur, and M. Skurnik. "The role of WaaL ligases of Yersinia enterocolitica O: 3 and O: 8 in lipopolysaccharide biosynthesis and stress adaptation." Вісник Українського товариства генетиків і селекціонерів 12, № 2 (2014): 241-248.
1781. Skorek, K., A. Raczowska, B. Dudek, et al. Regulatory protein OmpR influences the serum resistance of Yersinia enterocolitica O: 9 by modifying the structure of the outer membrane. PloS one, 2013, DOI: 10.1371/journal.pone.0079525
1782. Sof'ya, N. Senchenkova, et al. "Structural and genetic characterization of Shigella boydii type 17 O antigen and confirmation of two new genes involved in the synthesis of glucolactilic acid." Biochemical and biophysical research communications 349.1 (2006): 289-295.
1783. Spahich, N.A. A tale of two proteins: insights into the Haemophilus influenzae Hap and Hia. PhD Thesis, Duke University, 2011
1784. Spahich, Nicole A., et al. "Inactivation of Haemophilus influenzae lipopolysaccharide biosynthesis genes interferes with outer membrane localization of the hap autotransporter." Journal of bacteriology 194.7 (2012): 1815-1822.
1785. Stevenson, R. M. W. Investigating survival mechanisms of Yersinia ruckeri in rainbow trout, Oncorhynchus mykiss. Diss. 2008.
1786. Suomalainen, M. Molecular factors affecting the activity and substrate selectivity of the Pla protease of Yersinia pestis. Doctoral Dissertation, University of Helsinki, 2014.
1787. Suomalainen, Marjo. "Molecular Factors Affecting the Activity and Substrate Selectivity of the Pla Protease of Yersinia pestis." (2014).
1788. Tang, Gaoyan, and Keith P. Mintz. "Glycosylation of the collagen adhesin EmaA of Aggregatibacter actinomycetemcomitans is dependent upon the lipopolysaccharide biosynthetic pathway." Journal of bacteriology 192.5 (2010): 1395-1404.
1789. Tang, Gaoyan, et al. "Lipopolysaccharides mediate leukotoxin secretion in Aggregatibacter actinomycetemcomitans." Molecular oral microbiology 27.2 (2012): 70-82.

1790. Taylor, Paul David. Computational prediction of bacterial protein subcellular location and characterisation of transmembrane protein topology. The University of Manchester (United Kingdom), 2004.
1791. Thoden, James B., et al. "Bacterial sugar 3, 4-ketoisomerases: structural insight into product stereochemistry." *Biochemistry* 54.29 (2015): 4495-4506.
1792. Thomas, Rebecca M., et al. "The immunologically distinct O antigens from *Francisella tularensis* subspecies *tularensis* and *Francisella novicida* are both virulence determinants and protective antigens." *Infection and immunity* 75.1 (2007): 371-378.
1793. Thomson, N. R., et al. "Directional gene flow and ecological separation in *Yersinia enterocolitica*." *Microbial Genomics* (2015).
1794. Tran, E. N. H., Papadopoulos, M., & Morona, R. (2014). Relationship between O-antigen chain length and resistance to colicin E2 in *Shigella flexneri*. *Microbiology*, 2014, 160(Pt 3), 589-601.
1795. Troughs, Water. "Escherichia coli Involvement of the."
1796. Uliczka F, Dersch P. Unique virulence properties of *Yersinia enterocolitica* O:3. *Adv. Yersinia Res./Adv.Exper. Med. Biol.*, 2012, 954, 281-287.
1797. Uliczka, Frank, et al. "Unique cell adhesion and invasion properties of *Yersinia enterocolitica* O: 3, the most frequent cause of human Yersiniosis." *PLoS Pathog* 7.7 (2011): e1002117.
1798. Valentin-Weigand, P., Heesemann, J., & Dersch, P. (2014). Unique virulence properties of *Yersinia enterocolitica* O: 3—An emerging zoonotic pathogen using pigs as preferred reservoir host. *International Journal of Medical Microbiology*, 304(7), 824-834.
1799. Valvano MA, Hanuszkiewicz A. Proteins involved in the membrane translocation of lipopolysaccharide O antigen. *Mini-Rev. Org. Chem.*, 2012, 9 (3), 261-269.
1800. Vilches, Silvia, et al. "*Aeromonas hydrophila* AH-3 type III secretion system expression and regulatory network." *Applied and environmental microbiology* 75.19 (2009): 6382-6392.
1801. Vinogradov EV., Bogdanove AJ. Requirement of the lipopolysaccharide O-chain biosynthesis gene *wxocB* for type III secretion and virulence of *Xanthomonas oryzae* pv. *Oryzicola* Wang, L. J. *Bacteriol.*, 9, 195, 2013, 1959-1969.
1802. von Tils, Dominik. Untersuchung und Charakterisierung der Typ-II-Sekretionssysteme von *Yersinia enterocolitica*. Diss. Universitäts-und Landesbibliothek Münster, 2015.
1803. Wang, Lei, Quan Wang, and Peter R. Reeves. "The variation of O antigens in gram-negative bacteria." *Endotoxins: Structure, Function and Recognition*. Springer, Dordrecht, 2010. 123-152.
1804. Wang, Li, et al. "Novel candidate virulence factors in rice pathogen *Xanthomonas oryzae* pv. *oryzicola* as revealed by mutational analysis." *Applied and Environmental Microbiology* 73.24 (2007): 8023-8027.
1805. Wang, Li, Evgeny V. Vinogradov, and Adam J. Bogdanove. "Requirement of the lipopolysaccharide O-chain biosynthesis gene *wxocB* for type III secretion and virulence of *Xanthomonas oryzae* pv. *Oryzicola*." *Journal of bacteriology* 195.9 (2013): 1959-1969.
1806. Wang, Quan, et al. "Identification of the two glycosyltransferase genes responsible for the difference between *Escherichia coli* O107 and O117 O-antigens." *Glycobiology* 22.2 (2012): 281-287.
1807. Weirich, Johanna, et al. "Identifying components required for OMP biogenesis as novel targets for anti-infective drugs." *Virulence* (2017): 1-20.
1808. Xu CC, Liu B, Hu B, et al. Biochemical characterization of UDP-Gal:GlcNAc-pyrophosphate-lipid beta-1,4-galactosyltransferase WfeD, a new enzyme from *Shigella boydii* type 14 that catalyzes the second step in O-antigen repeating-unit synthesis. *J. Bacteriol.*, 2011, 193, 2,

1809. XU, YY, CY DONG, and DW ZHOU. "CHARACTERIZATION OF BIOSYNTHETIC PATHWAY OF THE DTDP-L-RHA BY ELECTROSPRAY IONIZATION TANDEM MASS SPECTROMETRY." JOURNAL OF CHINESE MASS SPECTROMETRY SOCIETY 37.1 (2016): 17-22.
 1810. Yi, Xuan. Genetic analysis of c-di-GMP signaling and virulence in *Dickeya dadantii* 3937. The University of Wisconsin-Milwaukee, 2009.
 1811. Yoon, Jang W., et al. "Involvement of the *Escherichia coli* O157: H7 (pO157) *ecf* operon and lipid A myristoyl transferase activity in bacterial survival in the bovine gastrointestinal tract and bacterial persistence in farm water troughs." Infection and immunity 73.4 (2005): 2367-2378.
 1812. Zhang, Pei, et al. "Human dendritic cell-specific intercellular adhesion molecule-grabbing nonintegrin (CD209) is a receptor for *Yersinia pestis* that promotes phagocytosis by dendritic cells." Infection and immunity 76.5 (2008): 2070-2079.
 1813. Zhang, Y., Li, X., Qi, X., Jiang, R., Guo, L., Zhang, R., & Li, Y. Identification and functional analysis of the gene *ste9* involving in Ebosin biosynthesis from *Streptomyces* sp. 139. FEMS Microbiol. Lett., 2014, 350(2), 257-264.
 1814. КАРИМОВА, ТАТЬЯНА ВИКТОРОВНА. "ЭНТЕРОПАТОГЕННЫЕ ИЕРСИНИИ: МИКРОБИОЛОГИЧЕСКИЙ МОНИТОРИНГ, МОЛЕКУЛЯРНО-БИОЛОГИЧЕСКИЕ ОСОБЕННОСТИ, АЛГОРИТМ ЛАБОРАТОРНОЙ ДИАГНОСТИКИ."
- 94). Batovska, D., Parushev, St., Slavova, A., Bankova, V., Tsvetkova, I., Ninova, M., NAJDENSKI, H. Study on the substituents' effects of a series of synthetic chalcones against the yeast *Candida albicans* (2007) European Journal of Medicinal Chemistry, 42 (1), pp. 87-92.**
1815. Ahmad, Khalil, et al. "Synthesis and spectroscopic characterization of medicinal azo derivatives and metal complexes of Indandion." Journal of Molecular Structure 1198 (2019): 126885.
 1816. Alberton, E. Influence of chalcone analogues, xanthenes and monosaccharides on glycemia in an experimental animal model, Ph.D. thesis, Federal University of Santa Catarina, Brazil, 2007.
 1817. Andrade J. T., Santos F. R. S., Lima W. G., Sousa C. D. F., Oliveira L. S. F. M., Ribeiro R. I. M. A., Gomes A. J. P. S., Araújo M. G. F., Villar J. A. F. P., Ferreira, J. M. S. Design, synthesis, biological activity and structure-activity relationship studies of chalcone derivatives as potential anti-*Candida* agents. J. Antibiot., 71 (8), 702-712, 2018.
 1818. Arshad, Laiba, et al. "Immunosuppressive Effects of Natural α , β -Unsaturated Carbonyl-Based Compounds, and Their Analogs and Derivatives, on Immune Cells: A Review." Frontiers in pharmacology 8 (2017).
 1819. Ashok, D., K. Sudershan, & M. Khalilullah. Solvent-free microwave-assisted synthesis of E-(1)-(6-benzoyl-3,5-dimethylfuro[3',2':4,5]benzo[b]furan-2-yl)-3-(aryl)-2-propen-1-ones and their antibacterial activity. Green Chem. Lett. Rev., 2011. DOI: 10.1080/17518253.2011.584912
 1820. Assolini, João Paulo, et al. "4-nitrochalcone exerts leishmanicidal effect on *L. amazonensis* promastigotes and intracellular amastigotes, and the 4-nitrochalcone encapsulation in beeswax copaiba oil nanoparticles reduces macrophages cytotoxicity." European Journal of Pharmacology 884 (2020): 173392.
 1821. Bai X, Shi WO, Chen HF, Zhang P, Li Y, Yin SF. Synthesis and antitumor activity of 1-acetyl-3-(4-phenyl)-4,5-dihydro-2-pyrazoline-5-phenylursolate and 4-chalcone ursolate derivatives. Chem Nat Compounds, 48 (1), 2012, 60-65, ISSN 0009-3130
 1822. Banedar, P.N. Derivatives of 1-chloromethyl naphthalene: synthesis and microbiological evaluation as potential antifungal agents. Der Pharma Chemica, 2011, 3, 1, 105-111.

1823. Basic, J., Kalinic, M., Ivkovic, B., Eric, S., Milenkovic, M., Vladimirov, S., Vujic, Z. Synthesis, QSAR analysis and mechanism of antibacterial activity of simple 2'-hydroxy chalcones. *Digest Journal of Nanomaterials and Biostructures* 9, 2014, 1537-1546.
1824. Bist, Ganesh, et al. "Dihydroxylated 2, 6-diphenyl-4-chlorophenylpyridines: Topoisomerase I and II α dual inhibitors with DNA non-intercalative catalytic activity." *European Journal of Medicinal Chemistry* 133 (2017): 69-84.
1825. Bist, Ganesh, et al. "Inhibition of LPS-stimulated ROS production by fluorinated and hydroxylated chalcones in RAW 264.7 macrophages with structure-activity relationship study." *Bioorganic & Medicinal Chemistry Letters* 27.5 (2017): 1205-1209.
1826. Bukhari, S.N.A., M. Jasamai and I. Jantan. Synthesis and biological evaluation of chalcone derivatives (mini review). *Mini-Rev. Med. Chem.*, 2012, 12(13), 1394-1403.
1827. Caboni P., Aissani N., Demurtas M., Ntalli N., Onnis V. Nematicidal activity of acetophenones and chalcones against *Meloidogyne incognita* and structure-activity considerations. *Pest Manag Sci*, 2015 doi: 10.1002/ps.3978.
1828. Chen, D., Z. Chen, X. Xiao, Z. Yang, L. Lin, X. Liu, X. Feng. Highly enantioselective michael addition of malonate derivatives to enones catalyzed by an n,n'-dioxide-scandium(iii) complex. *Chemistry – A European Journal*, 2009, 15, 28, 6807-6810.
1829. Chimenti, F., Fioravanti, R., Bolasco, A., Chimenti, P., Secci, D., Rossi, F., Yáñez, M., Orallo, F., Ortuso, F., Alcaro, S. Chalcones: A valid scaffold for monoamine oxidases inhibitors (2009) *Journal of Medicinal Chemistry*, 52 (9), pp. 2818-2824.
1830. Cordeiro, M.N.S. Síntese e caracterização de chalconas derivadas da 3, 4, 5-trimetoxiacetofenona com potencial atividade antileucêmica. MS Thesis, Universidade Federal De Santa Catarina, Centro De Ciências Físicas E Matemáticas, Departamento De Química. Florianópolis 2010.
1831. Corrêa, R., Fenner, B.P., Buzzi, F.D.C., Cechinel Filho, V., Nunes, R.J. Antinociceptive activity and preliminary structure-activity relationship of chalcone-like compounds (2008) *Zeitschrift fur Naturforschung - Section C Journal of Biosciences*, 63 (11-12), pp. 830-836.
1832. Cushniea, T.P.T., and A.J. Lambb. Recent advances in understanding the antibacterial properties of flavonoids. *Int. J. Antimicrob. Agents* 38 (2011) 99– 107.
1833. Da Silva, V. Estudo da síntese da chalcona 1(4'-n-fenil-sulfonilamidafenil)-3-(4-metilfenil)-2-propen-1-ona, Universidade Estadual de Goiás (ueg), Unidade Universitária de Ciências Exatas e Tecnológicas (UnUCET), ANAPOLIS-GO, 2008.
1834. Daglia, M. Polyphenols as antimicrobial agents. *Curr. Opin. Biotechnol.*, 2012, 23, 2, 174-181.
1835. Damazio, R.G., Zanatta, A.P., Cazarolli, L.H., Chiaradia, L.D., Mascarello, A., Nunes, R.J., Yunes, R.A., Barreto Silva, F.R.M. Antihyperglycemic activity of naphthylchalcones (2010) *European Journal of Medicinal Chemistry*, 45 (4), pp. 1332-1337.
1836. Dangi, L.L., M.S. Dulawat, P. Tiwari, et al. New substituted m-phenoxy chalcones; their synthesis by microwave irradiation and antifungal activity. *Asian J. Res. Chem.*, 2013, 6, 5, 461-463.
1837. Din, Z.Ud, T.P. Fill, F.F. de Assis, D Lazzarin-Bidoia, et al. Unsymmetrical 1, 5-diaryl-3-oxo-1, 4-pentadienyls and their evaluation as antiparasitic agents. *Bioorg. Med. Chem.*, 2014, 22, 3, 1121-1127.
1838. Dinakaran VS, Jacob D, Mathew JE.. Synthesis and biological evaluation of novel pyrimidine-2(1H)-ones/thiones as potent anti-inflammatory and anticancer agents. *Med. Chem. Res.*, 12 (11), 2012, 3598-3606.

1839. Eddarir, S, Kajjouta M, Rolandoa C. An efficient synthesis of (Z)- α -fluorochalcones via the palladium-catalyzed cross-coupling reaction of (Z)- α -fluorocinnamoyl chloride with boronic acids. *Tetrahedron*, 69 (6), 2013, 1735–1738.
1840. Emami, S., Foroumadi, A., Falahati, M., Lotfali, E., Rajabalian, S., Ebrahimi, S.-A., Farahyar, S., Shafiee, A. 2-Hydroxyphenacyl azoles and related azolium derivatives as antifungal agents (2008) *Bioorganic and Medicinal Chemistry Letters*, 18 (1), pp. 141-146.
1841. Fang, Wan-Yin, et al. "Synthetic approaches and pharmaceutical applications of chloro-containing molecules for drug discovery: A critical review." *European journal of medicinal chemistry* 173 (2019): 117-153.
1842. Faudzi, S. M., Leong, S. W., Abas, F., Aluwi, M. M., Rullah, K., Lam, K. W., ... & Lajis, N. H. (2015). Synthesis, biological evaluation and QSAR studies of diarylpentanoid analogues as potential nitric oxide inhibitors. *MedChemComm*.
1843. Fedorova, Galina F., et al. "Exogenous and endogenous mediators of oxygen metabolism: alternatives for chemical and biological activity." *Studies in Natural Products Chemistry*. Vol. 47. Elsevier, 2016. 357-385.
1844. Feng J., Qi H., Sun X., Feng S., Liu Z., Song Y., Qiao X. (2018). Synthesis of novel pyrazole derivatives as promising DNA-binding agents and evaluation of antitumor and antitopoisomerase I/II activities. *Chem. Pharm. Bull.*, 66 (11), 1065-1071, 2018
1845. Feng, X., D. Yan, K.-J. Zhao, et al. Applications of microcalorimetry in the antibacterial activity evaluation of various *Rhizoma coptidis*. *Pharm Biol.* 2011, 49 (4):348-53.
1846. Fernandes, W.B., L.A. Malaspina, F.T. Martins, et al. Conformational variability in a new terpenoid-like bischalcone: Structure and theoretical studies. *J. Struct. Chem.*, 2013, 54, 6, 1112-1121.
1847. Fun, H.-K., T. Kobkeathawin, P. Ruanwas, S. Chantrapromma, (E)-1-(4-Aminophenyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one, *Acta Cryst.*, 2010, 66 (8), 1973-1974.
1848. Fun, H.-K., T. Suwunwong, S. Chantrapromma, and C. Karalai. (E)-1-(2-Furyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one. *Acta Cryst.*, 2010, E66, 12, 3070-3071
1849. Garg S., Raghav N. Spectrophotometric analysis of bovine serum albumin in presence of some 1-(naphthalen-3-yl)-3-phenylprop-2-en-1-ones. *Int. J. Chem. Sci.*, 2, 11, 2013, 1137-1145.
1850. Garg S., Raghav N. Synthesis of novel chalcones of schiff's bases and to study their effect on bovine serum albumin. *Asian J. Pharm. Clin. Res.*, 6 (suppl.4), 2013, 181-184.
1851. Ghoneim, Amira A., Rehab M. Elbargisy, and Afaf Manoer. "Design and synthesis of heterocyclic Compounds from 1, 4-diacetylbenzene with Expected Antimicrobial Activity." *Egyptian Journal of Chemistry* 63.8 (2020): 9-10.
1852. Gonçalves CJ, Lenoir AS, Padaratz P, et al. Benzofuranones as potential antinociceptive agents: Structure–activity relationships. *Eur. J. Med. Chem.* 56, 2012, 120–126.
1853. Guan L-P., Zhao D-H., Chang Y., et al. Design, synthesis and antidepressant activity evaluation 2'-hydroxy-4',6'-diisoprenyloxychalcone derivatives. *Med. Chem. Res.*, 11, 22, 2013, 5218-5226.
1854. Guan L-P., Zhao D-H., Chang Y., et al. Synthesis of 2,4-dihydroxychalcone derivatives as potential antidepressant effect. *Drug Res.*, 1, 63, 2013, 46-51.
1855. Guo, T., Jiang, Q., Yu, L., Yu, Z. Synthesis of chalcones via domino dehydrochlorination/Pd(OAc)₂-catalyzed Heck reaction *Cuihua Xuebao/Chinese Journal of Catalysis* 36, 2015, 78-85
1856. Hu, J., Liu, D., Xu, W., hang, F., Zheng, H. One-pot reaction for the concise synthesis of spiro[benzofuran-2,2'-naphthalen]-1'-one derivatives *Tetrahedron*, 2014, 70, 7511-7517.

1857. Hui, Y., J. Jiang, W.Wang, W.Chen, Y.Cai, L.Lin, X.Liu, X.Feng, Highly enantioselective conjugate addition of thioglycolate to chalcones catalyzed by lanthanum: low catalyst loading and remarkable chiral amplification, *Angewandte Chemie* 122 (25), 4386 – 4389, 2010.
1858. Jiang. W.-Q. An improved experiment for bis-benzalacetones synthesis. *CJTD*, 2010, 25, 2, 42 – 45.
1859. Jin, H., Xiang, L., Wen, F., Tao, K., Liu, Q., Hou, T. Improved synthesis of chalconoid-like compounds under ultrasound irradiation (2008) *Ultrasonics Sonochemistry*, 15 (5), pp. 681-683.
1860. Jin, Yong-Sheng. "Recent advances in natural antifungal flavonoids and their derivatives." *Bioorganic & medicinal chemistry letters* 29.19 (2019):126589.
1861. Jun, K.Y., H. Kwon, S.E. Park, et al. Discovery of dihydroxylated 2, 4-diphenyl-6-thiophen-2-yl-pyridine as a non-intercalative DNA-binding topoisomerase II-specific catalytic inhibitor. *Eur. J. Med. Chem.*, 2014, 80, 428-438.
1862. Kadayat, T.M., M.J. Kim, T. Nam, P.H. Park, et al. Thiény/furanyl-hydroxyphenylpropenones as inhibitors of LPS-induced ROS and NO production in RAW 264.7 macrophages, and their structure-activity relationship study. *Bull. Korean Chem. Soc.*, 2014, 35, 8, 2482-2486.
1863. Kadayat, T.M., Song, C., Kwon, Y., Lee, E.-S Modified 2,4-diaryl-5H-indeno[1,2-b]pyridines with hydroxyl and chlorine moiety: Synthesis, anticancer activity, and structure-activity relationship study. *Bioorganic Chemistry* 2015, 62, 30-40
1864. Kadayat, Tara Man, et al. "Effect of chlorine substituent on cytotoxic activities: Design and synthesis of systematically modified 2, 4-diphenyl-5H-indeno [1, 2-b] pyridines." *Bioorganic & medicinal chemistry letters* 26.7 (2016): 1726-1731.
1865. Kalogiros, C., and L.P. Hadjirapoglou. Facile preparation of bicyclo [2.2. 2] octenone derivatives via Diels–Alder cycloadditions of in situ-generated masked o-benzoquinones. *Tetrahedron*, 2011, 67, 18, 3216-3225.
1866. Kamal, A., A. Mallareddy, P. Suresh, V. et al. Synthesis and anticancer activity of 4b-alkylamidochalcone and 4b-cinnamido linked podophyllotoxins as apoptotic inducing agents. *Eur. J. Med. Chem.*, 2011, 1-16.
1867. Kancheva, V.D., O.T. Kasaikina. Bio-antioxidants—a chemical base of their antioxidant activity and beneficial effect on human health. *Curr. Med. Chem.*, 2013, 20, 37, 4784-4805.
1868. Karki R, Kang Y, Kim CH, et al. Hydroxychalcones as potential anti-angiogenic agent. *Bull. Korean Chem. Soc.*, 33 (9), 2012, 2925, ISSN 0253-2964.
1869. Karki, R., P. Thapa, H.Y. Yoo, TM Kadayat, et al. Dihydroxylated 2, 4, 6-triphenyl pyridines: Synthesis, topoisomerase I and II inhibitory activity, cytotoxicity, and structure–activity relationship study. *Eur. J. Med. Chem.*, 2012, 49, 219-228.
1870. Karki, R., Park, C., Jun, K. Y., Kadayatt, T. M., Lee, E. S., & Kwon, Y. Synthesis and Biological Activity of 2, 4-Di-I p/i-Phenolyl-6- i 2/i-Furanyl-Pyridine As a Potent Topoisomerase II Poison. *Eur. J. Mmed.Chem.*, 2015, 90, 360–378.
1871. Karki, Radha, et al. "A new series of 2-phenol-4-aryl-6-chlorophenyl pyridine derivatives as dual topoisomerase I/II inhibitors: Synthesis, biological evaluation and 3D-QSAR study." *European Journal of Medicinal Chemistry* 113 (2016): 228-245.
1872. Kim, M. J., Kadayat, T., Da Eun Kim, E. S. L., & Park, P. H.. TI-I-174, a Synthetic Chalcone Derivative, Suppresses Nitric Oxide Production in Murine Macrophages via Heme Oxygenase-1 Induction and Inhibition of AP-1. *Biomolecules & therapeutics*, 22(5), 2014, 390.
1873. Kim, M.J., Kadayat, T., Um, Y.J., Jeong, T.C., Lee, E.-S., Park, P.-H. Inhibitory effect of 3-(4-hydroxyphenyl)-1-(thiophen-2-yl) prop-2-en-1-one, a chalcone derivative on MCP-1 expression

- in macrophages via inhibition of ROS and Akt signaling. *Biomolecules and Therapeutics*, 2015, 23, 2, 119-127
1874. Kong W-J, Xing X-Y, Xiao X-H, et al. Effect of berberine on *Escherichia coli*, *Bacillus subtilis*, and their mixtures as determined by isothermal microcalorimetry. *Appl. Microbiol. Biotechnol.*, 96 (2), 2012, 503-510.
 1875. Kong, W.J., Wang, J.B., Jin, C., Zhao, Y.L., Dai, C.M., Xiao, X.H., Li, Z.L. Effect of emodin on *Candida albicans* growth investigated by microcalorimetry combined with chemometric analysis (2009). *Appl. Microbiol. Biotechnol.*, 83 (6), pp. 1183-1190.
 1876. Kong, W.-J., Zhao, Y.-L., Xiao, X.-H., Li, Z.-L., Jin, C., Li, H.-B. Investigation of the anti-fungal activity of coptisine on *Candida albicans* growth by microcalorimetry combined with principal component analysis (2009) *Journal of Applied Microbiology*, 107 (4), pp. 1072-1080.
 1877. Kumar, R., P. Sharma, A. Shard, et al. Chalcones as promising pesticidal agents against diamondback moth (*Plutella xylostella*): microwave-assisted synthesis and structure–activity relationship. *Med. Chem. Res.*, 2011, DOI 10.1007/s00044-011-9602-8
 1878. Li X, Jin C, Liu W, et al. A microcalorimetric method to determine antimicrobial effects of two bile acid derivatives on *Staphylococcus aureus*. *J. Thermal Anal. Calorim.*, 108 (3), 2012, 1293-1301.
 1879. Mellado M., Madrid A., Reyna M., Weinstein-Opppenheimer C., Mella J., Salas C. O., Sánchez E., Cuellar M. Synthesis of chalcones with antiproliferative activity on the SH-SY5Y neuroblastoma cell line: Quantitative Structure–Activity Relationship Models. *Med. Chem. Res.*, 27 (11-12), 2414-2425, 2018.
 1880. Mellado, Marco, et al. "Design, synthesis, antifungal activity, and structure–activity relationship studies of chalcones and hybrid dihydrochromane–chalcones." *Molecular diversity* (2019): 1-13.
 1881. Messier, C., F. Epifano, S. Genovese, D. Grenier. Inhibition of *Candida albicans* biofilm formation and yeast-hyphal transition by 4-hydroxycordoin. *Phytomedicine*, 2011, 18 (5):380-383.
 1882. Mirzaei, Hassan, Mahdi Abastabar, and Saeed Emami. "Indole-derived chalcones as anti-dermatophyte agents: In vitro evaluation and in silico study." *Computational Biology and Chemistry* 84 (2020): 107189.
 1883. Mohd Faudzi, S.M., Leong, S.W., Abas, F., Mohd Aluwi, M.F.F., Rullah, K., Lam, K.W., Ahmad, S., Tham, C.L., Shaari, K., Lajis, N.H. Synthesis, biological evaluation and QSAR studies of diarylpentanoid analogues as potential nitric oxide inhibitors *MedChemComm* 2015, 6, 1069-1080
 1884. Motta, L.F., W.P. Almeida. Ketone derivatives as anti-*Candida albicans*. *Int. J. Drug Discov.*, 2011, 3, 2, 100-117.
 1885. Muñoz, V.A., Kretek, C.G., Montaña, M.P., Pappano, N.B., Debattista, N.B., Ferrari, G.V. Chalcones as analytical reagents of aluminum: Stability, thermodynamic and kinetic study *Zeitschrift für Physikalische Chemie*, 2015, 229, 417-426
 1886. Nasir Abbas B.S., M. Jasamai, J. Ibrahim. Synthesis and biological evaluation of chalcone derivatives (mini review). *Mini Rev. Med. Chem.*, 2012, 12, 13, 1394-1403.
 1887. Navarini, A. Avaliação do efeito de chalcones sobre a linhagem celular B16-F10 de melanoma, Ph.D. Thesis, Federal University of Santa Catarina, Brasil, 2007.
 1888. Nithya, R., N. Santhanamoorthi, P. Kolandaivel, and K. Senthilkumar. Structural and spectral properties of 4-bromo-1-naphthyl chalcones: a quantum chemical study. *J. Phys. Chem.*, 2011, 115, 24, 6594-6602.
 1889. Osmaniye D., Avuso Glu, B. L. K., Sa glik B. M. N., Levent S., Acar evik U., Atli Z., Zkay

- Y., Kaplancikli Z. A. Synthesis and Anticandidal Activity of New Imidazole-Chalcones. *Molecules*, 23 (4), 831, 2018
1890. Padaratz, P., Fracasso, M., De Campos-Buzzi, F., Corrêa, R., Niero, R., Monache, F.D., Cechinel-Filho, V. Antinociceptive activity of a new benzofuranone derived from a chalcone (2009) *Basic and Clinical Pharmacology and Toxicology*, 105 (4), pp. 257-261.
 1891. Park, Seojeong, et al. "Novel 2-aryl-4-(4'-hydroxyphenyl)-5H-indeno [1, 2-b] pyridines as potent DNA non-intercalative topoisomerase catalytic inhibitors." *European journal of medicinal chemistry* 125 (2017): 14-28.
 1892. Philip Parker (Ed.), *Candida: Webster's Quotations, Facts and Phrases*, ICON Group International, Inc., 2008.
 1893. Raghav, N., S. Garg. Synthesis of novel chalcones of Schiff's bases and to study their effect on bovine serum albumin. *Asian J. Pharm. Clin. Res.*, 2013, 6, 4, 181-184.
 1894. Rao, Y.K., Fang, S.-H., Tzeng, Y.-M. Synthesis and biological evaluation of 3',4',5'-trimethoxychalcone analogues as inhibitors of nitric oxide production and tumor cell proliferation (2009) *Bioorganic and Medicinal Chemistry*, 17 (23), pp. 7909-7914.
 1895. Ruanwas, P., Chantrapromma, S., Fun, H.-K. Synthesis, Characterization, Antioxidant, and Antibacterial Activities of 2-Aminochalcones and Crystal Structure of (2E)-1-(2-aminophenyl)-3-(4-ethoxyphenyl)-2-propen-1-one. *Molecular Crystals and Liquid Crystals* 2015, 609, 126-139.
 1896. Ruzie, C., M. Krayner, J. Lindsey, Fast and robust route to hydroporphyrin-chalcones with extended red or near-infrared absorption, *Organic Letters*, 11 (8), 1761-1764, 2009.
 1897. Saengsuwan, Nikorn, et al. "Photophysical Properties of Various Substituted Thiophene-based Heterocyclic Chalcone: Experimental and DFT Studies." *CHIANG MAI JOURNAL OF SCIENCE* 46.6 (2019): 1176-1190.
 1898. Saroj, M. K., N. Sharma, and R. C. Rastogi. Solvent effect profiles of absorbance and fluorescence spectra of some indole based chalcones. *J. Fluoresc.*, 2011, 21(6), 2213-2227.
 1899. Sathiyamoorthi, K., V. Mala, R. Suresh, et al. Synthesis, spectral correlations and antimicrobial activities of some 2-hydroxyphenyl-styrylketone. *Int. Let. Chem. Phys. Astronomy*, 2013, 7, 2, 102-119.
 1900. Shahnaz, M., S. Kaura, S. Lata, et al. Synthesis, characterization and antifungal activity of 1-naphthylmethylamine derivatives. *Int. J. Bioassays*, 2013, 2, 10, 1317-1321.
 1901. Shakhathreh, M.A.K., et al. "Study of the antibacterial and antifungal activities of synthetic benzyl bromides, ketones, and corresponding chalcone derivatives" *Drug Design, Development and Therapy* 10 (2016): 3653-3660.
 1902. Shan, Y., Lei, J., Zhang, L., Fan, T., Wang, M., Ma, Y Design, Synthesis, and Biological Evaluation of Chalcone Derivatives as Novel Anticandidal Agents *Chemistry of Natural Compounds* 2015, 51, 4, 620-625
 1903. Sharma, A., N. Sharma, A. Shard, et al. Tandem allylic oxidation–condensation/esterification catalyzed by silica gel: an expeditious approach towards antimalarial diaryldienones and enones from natural methoxylated phenylpropenes. *Org. Biomol. Chem.*, 2011, 9, 5211-5219.
 1904. Shrestha A., Park S., Shin S., Kadayat T. M., Bist G., Katila P., Kwon Y., Lee E. S. Design, synthesis, biological evaluation, structure-activity relationship study, and mode of action of 2-phenol-4, 6-dichlorophenyl-pyridines. *Bioorg. Chem.*, 79, 1-18, 2018.
 1905. Silva, P. T., et al. "Cytotoxic and Antifungal Activity of Chalcones Synthesized from Natural Acetophenone Isolated from *Croton anisodontus*." *Revista Virtual de Química* 12.3 (2020).
 1906. Singh K, Sahu A, Manisha J, Singh L. In-vitro antimalarial evaluation of novel functionalized chalcones. *J. Chem. Biol. Phys. Sci.*, 2, 2012, 782-791.

1907. Sivakumar, P.M., Muthu Kumar, T., Doble, M. Antifungal activity, mechanism and QSAR studies on chalcones (2009) *Chem. Biol. Drug Design*, 74 (1), pp. 68-79.
1908. Sultana F., Bonam S. R., Reddy V. G., Nayak V. L., Akunuri R., Routhu S. R., Alarifi A., Halmuthur M. S. K., Kamal A. (2018). Synthesis of benzo [d] imidazo [2, 1-b] thiazole-chalcone conjugates as microtubule targeting and apoptosis inducing agents. *Bioorg. Chem.*, 76, 1-12, 2018.
1909. Suwunwong, T., S. Chantrapromma, H.K. Fun. Influence of trimethoxy-substituted positions on fluorescence of heteroaryl chalcone derivatives. *Chem. Papers*, 2011, 65, 6, 890-897.
1910. Tailor, N.K. Synthesis and antifungal activity of certain chalcones and their reduction. *Indo Global J. Pharm. Sci.*, 2014; 4, 1 25-28.
1911. Tang C, Zhu L, Li J, et al. Synthesis and structure elucidation of five new conjugates of oleanolic acid derivatives and chalcones using 1D and 2D NMR spectroscopy. *Magn. Reson. Chem*, 50 (3), 2012, 236–241.
1912. Unoh Y., Hirano K., Satoh T., Miura M. Palladium-catalyzed decarboxylative arylation of benzoylacrylic acids toward the synthesis of chalcones. *J. Org.Chem.*, 10, 78, 2013, 5096-5102.
1913. Vásquez-Martínez, Yesseny A., et al. "Antimicrobial, Anti-Inflammatory and Antioxidant Activities of Polyoxygenated Chalcones." *Journal of the Brazilian Chemical Society* 30.2 (2019): 286-304.
1914. Venkatesan, P., & T. Maruthavanan. Piperidine-mediated synthesis of thiazolyl chalcones and their derivatives as potent antimicrobial agents. *Nat. Prod. Res.*, 2011, 26, 3, 223-234.
1915. Wang, C., Wu, H., Tan, Y. et al. Synthesis of chalcone and azachalcone through mechanical vibration. *J. Nantong University (Nat. Sci. Edition)*, 2013, 12, 1, 40-45.
1916. Wang, J., D. Cheng, N. Zeng, H. Xia, et al. Application of microcalorimetry and principal component analysis. *J. Therm. Anal. Calorim.*, 2010, 102, 137-142.
1917. Wang, S., W. Hao, T. Yajun, & Z. Ze. Mechanical method for chalcone synthesis. *Nantong University, Nat. Sci.*, 2013, 1, 007
1918. Wang, W., X. Liu, W. Cao, J. Wang, L. Lin, X. Feng. Highly enantioselective synthesis of β -heteroaryl-substituted dihydrochalcones through friedel–crafts alkylation of indoles and pyrrole. *Chemistry – A European Journal*, 2010, 16, 5, 1664-1669.
1919. Wu, J., C. Wang, Y. Cai, et al. Liang. Synthesis and crystal structure of chalcones as well as on cytotoxicity and antibacterial properties. *Med. Chem. Res.*, 2011, DOI 10.1007/s00044-011-9549-9
1920. Xin, Y., Zang, Z.-H., Chen, F.-L. Ultrasound-promoted synthesis of 1,5-diarylpenta-2,4-dien-1-ones catalyzed by activated barium hydroxide (2009). *Synthetic Communications*, 39 (22), pp. 4062-4068.
1921. Xue, Y. Xu, K., Liu, Y. DFT study on the structures and electronic spectra of furan chalcones. *J. Mol. Sci.*, 2010, 26, 3, 12-17.
1922. Xue, Y., Mou, J., Liu, Y., Gong, X., Yang, Y., An, L. An ab initio simulation of the UV/Visible spectra of substituted chalcones (2010). *Centr. Eur. J. Chemistry*, 8 (4), pp. 928-936.
1923. Zhang, Z., Deng, J.A., L. Zhihong, et al. Pharmacological activity of Coptisine. *Progr. Chinese Mat. Med.*, 2013, 38 (017), 2750-2754.
1924. Zhao Y., Jia L., Wang J., et al. Microcalorimetry with correspondence analysis for studying the antibacterial effect of ephedrine on *Escherichia coli*. *Thermochim. Acta*, 557, 2013, 50-54, ISSN: 0040-6031.
1925. Zhao, Y., D. Yan, J. Wang, P. Zhang and X. Xiao. Anti-fungal effect of berberine on *Candida albicans* by microcalorimetry with correspondence analysis. *Journal of Therm. Anal. Calorim.*, 2010, 102(1), 49-55.

1926. Валова, Марина Сергеевна. Халконо-поданды в реакциях с ацетоуксусным эфиром и аминозолами: диссертация на соискание ученой степени кандидата химических наук: 02.00.03. Diss. б. и., 2017.

95). Batovska, D.I., Todorova, I.T., Tsvetkova, I.V., NAJDENSKI, H.M. Antibacterial study of the medium chain fatty acids and their 1-monoglycerides: Individual effects and synergistic relationships (2009) Polish Journal of Microbiology, 58 (1), pp. 43-47.

1927. Abbasi, Zaeem Arif, et al. "Efficacy of oil-pulling versus chlorhexidine mouthwash in reducing oral Streptococcus mutans count: A systemic review and meta-analysis." *Journal of Advances in Medicine and Medical Research* (2019): 1-9.
1928. Adewuyi, Adewale, Omolola H. Fasusi, and Rotimi A. Oderinde. "Antibacterial activities of acetanilides prepared from the seed oils of *Calophyllum inophyllum* and *Pterocarpus osun*." *Journal of Acute Medicine* 4.2 (2014): 75-80.
1929. Agarwal, Priyanka, et al. "Topical semifluorinated alkane based azithromycin suspension for the management of ocular infections." *European Journal of Pharmaceutics and Biopharmaceutics* 142 (2019) 83-91.
1930. Agarwal, Priyanka. *Application of Semifluorinated Alkanes in Dry Eye Therapy*. Diss. ResearchSpace@ Auckland, 2018.
1931. Alcock, Joe, Melissa L. Franklin, and Christopher W. Kuzawa. "Nutrient signaling: evolutionary origins of the immune-modulating effects of dietary fat." *The Quarterly review of biology* 87.3 (2012): 187-223.
1932. Al-Ismael, Maria Ibrahim. *The Antimicrobial Effect of Coconut Oil and its Fatty Acids on Oral Microorganisms Compared to Chlorhexidine Mouth Rinse: An in vitro Study*. Diss. Tufts University School of Dental Medicine, 2013.
1933. Almutawif, Yahya Ahmad. "Staphylococcus aureus and its Enterotoxin in Donor Human Milk." (2019).
1934. Anacarso I., Quartieri A., De Leo R., Pulvirenti A. Evaluation of the antimicrobial activity of a blend of monoglycerides against *Escherichia coli* and *Enterococci* with multiple drug resistance. *Arch. Microbiol.*, 200 (1), 85-89, 2018.
1935. Ara, Ismet, et al. "Evaluation of antimicrobial properties of two different extracts of *Juglans regia* tree bark and search for their compounds using gas chromatography-mass spectrum." *International Journal of Biology* 5.2 (2013): 92.
1936. Armita, Devi. *Uji Daya Hambat VCO yang disuplementasi Metabolit BAL terhadap Bakteri Patogen*. Diss. Universitas Islam Negeri Alauddin Makassar, 2014.
1937. Baltić, B., et al. "Importance of medium chain fatty acids in animal nutrition." *IOP Conference Series: Earth and Environmental Science*. Vol. 85. No. 1. IOP Publishing, 2017.
1938. Baltić, Branislav. "Ispitivanje uticaja dodavanja srednjelančanih masnih kiselina na zdravstveno stanje, proizvodne rezultate i kvalitet mesa brojlera." *Универзитет у Београду* (2019).
1939. Bhattacharyya, Anamika, et al. "Mechanistic Insight Into the Antifungal Effects of a Fatty Acid Derivative Against Drug-Resistant Fungal Infections." *Frontiers in microbiology* 11 (2020): 2116.
1940. Boondireke, Sirirat, et al. "Encapsulation of monomyristin into polymeric nanoparticles improved its in vitro antiproliferative activity against cervical cancer cells." *Colloids and Surfaces B: Biointerfaces* 176 (2019): 9-17.
1941. Božić, Aleksandar, et al. "Inhibition of multidrug-resistant Staphylococci by sodium chlorate and select nitro-and medium chain fatty acid compounds." *Journal of applied microbiology* 126.5

(2019): 1508-1518.

1942. Bulut, Nurefşan. Türkiye'de yaşayan Nogay Türkleri'nin nogay çay tüketimi, beslenme ve sağlık üzerine etkisi. MS thesis. Biruni Üniversitesi Sağlık Bilimleri Enstitüsü, 2019.
1943. Canli Kerem, et al. "In vitro antimicrobial screening of *Lycoperdon lividum* and determination of the ethanol extract composition by gas chromatography/mass spectrometry." *Bangladesh Journal of Pharmacology* 11.2 (2016): 389-394.
1944. Canli, K., Cetin, B., Altuner, E.M., Türkmen, Y., Uzek, U., Dursun, H. In vitro antimicrobial screening of *Hedwigia ciliata* Var. *leucophaea* and determination of the ethanol extract composition by gas chromatography/mass spectrometry (GC/MS). *Journal of Pure and Applied Microbiology* 2014, 8, 2987-2998.
1945. Chantadee, Takron, et al. "Vancomycin hydrochloride-loaded stearic acid/lauric acid in situ forming matrix for antimicrobial inhibition in patients with joint infection after total knee arthroplasty." *Materials Science and Engineering: C* 115 (2020): 110761.
1946. Chaouat, Clara, et al. "Antimicrobial catanionic vesicular self-assembly with improved spectrum of action." *Journal of Surfactants and Detergents* 16.5 (2013): 717-722.
1947. Chen, Jianwei, et al. "Potential applications of biosurfactant rhamnolipids in agriculture and biomedicine." *Applied microbiology and biotechnology* 101.23-24 (2017): 8309-8319.
1948. Chen, Kai Yu, et al. "Monoacylglycerol of 7, 10-Dihydroxy-8 (E)-octadecenoic Acid Enhances Antibacterial Activities against Food-Borne Bacteria." *Journal of agricultural and food chemistry* 67.29 (2019): 8191-8196.
1949. Christen, Lukas. "Pasteurization of donor human milk for the use in the neonatal intensive care unit." Crawley: The University of Western Australia (2014).
1950. Chung D., Cho T. J., Rhee M. S. Citrus fruit extracts with carvacrol and thymol eliminated 7-log acid-adapted *Escherichia coli* O157: H7, *Salmonella typhimurium*, and *Listeria monocytogenes*: A potential of effective natural antibacterial agents. *Food Res. Int.*, 107, 578-588, 2018.
1951. Çınar, Mehmet Ulaş, et al. "Milk and fatty acid composition of Anatolian water buffalo (*Bubalus bubalis*) from different provinces." *Buffalo Bulletin* 38.1 (2019): 107-118.
1952. Cochrane, Roger A., et al. "Determining the Minimum Inhibitory Concentration of Medium Chain Fatty Acids for generic *Escherichia coli*, Enterotoxigenic *Escherichia coli*, *Salmonella Typhimurium*, *Campylobacter coli*, and *Clostridium perfringens*." (2020).
1953. Coelho, Olívia Gonçalves Leão, Flávia Galvão Cândido, and Rita de Cássia Gonçalves Alfenas. "Dietary fat and gut microbiota: mechanisms involved in obesity control." *Critical reviews in food science and nutrition* 59.19 (2019): 3045-3053.
1954. Dahlke, S. Threat posed by multi-drug resistant *Staphylococcus aureus* and possible new treatment options. MS Thesis, University of Wisconsin-La Crosse, 2013.
1955. Dayrit, F. M. The Properties of Lauric Acid and Their Significance in Coconut Oil. *Journal of the American Oil Chemists' Society*, 2015, 92, 1-15.
1956. De Leo, Riccardo, and Andrea Pulvirenti. "Immacolata Anacarso, Andrea Quartieri."
1957. de Oliveira, Filipe Silva Nunes, and Ana Rita Cruz Duarte. "A look on target-specificity of eutectic systems based on natural bioactive compounds." (2020). in press
1958. Demirci, Mehmet. "Broyler rasyonlarına orta zincirli yağ asitleri ilavesinin performans ve bazı kan parametreleri üzerine etkileri." (2018).
1959. Deschepper, Katrien, et al. "A balanced mixture of medium chain fatty acids improves zootechnical performances and slaughter results of broilers." *Proceedings of the 19th European Symposium of Nutrition*. 2013.
1960. Devan, Krishnapriya, et al. "Antimicrobial efficacy of medium-chain fatty acids, 2%

- Chlorhexidine, and 5% sodium hypochlorite against *Enterococcus faecalis*: An in vitro study." *Indian Journal of Oral Health and Research* 4.2 (2018): 47.
1961. Dhakal, Janak, and Charles G. Aldrich. "Use of Medium Chain Fatty Acids To Mitigate *Salmonella Typhimurium* (ATCC 14028) on Dry Pet Food Kibbles." *Journal of Food Protection* 83.9 (2020): 1505-1511.
1962. Doležalová, Magda, et al. "Antimicrobial properties of 1-monoacylglycerols prepared from undecanoic (C11: 0) and undecenoic (C11: 1) acid." *European journal of lipid science and technology* 112.10 (2010): 1106-1114.
1963. Elshikh, M., et al. "Rhamnolipids and lactonic sophorolipids: natural antimicrobial surfactants for oral hygiene." *Journal of applied microbiology* 123.5 (2017): 1111-1123.
1964. Elshikh, Mohamed, et al. "Rhamnolipids from non-pathogenic *Burkholderia thailandensis* E264: Physicochemical characterization, antimicrobial and antibiofilm efficacy against oral hygiene related pathogens." *New biotechnology* 36 (2017): 26-36.
1965. EM-Sub Pin Valley et al. The effect of the coconut oil for oral care to thick Valle mouth and Bossier oral disease in patients with cancer receiving chemotherapy: a pilot study. *Thai Cancer J.*, 2013, 33 (2), 41-52.
1966. Fife, B. Health properties of coconut oil. *Agro Food Ind. Hi-Tech*, 3, 24, 2013, 7-10.
1967. Frutis-Murillo, Minerva, et al. "Immunomodulatory molecules regulate adhesin gene expression in *Staphylococcus aureus*: Effect on bacterial internalization into bovine mammary epithelial cells." *Microbial pathogenesis* 131 (2019): 15-21.
1968. Gantois, I., E. Van Meenen, L. Maertens. L'effet d'un mélange spécifique d'acides gras a chaîne moyenne sur les performances zootechniques des poulets de chair. *Dixièmes Journées de la Recherche Avicole et Palmipèdes à Foie Gras (JRA-JRFG)*, La Rochelle, du 26 au 28 mars 2013, 805-809.
1969. Gayatri, A. D. I. T. A., E. V. A. Fauziah, and M. A. R. G. A. R. E. T. H. A. Suharsini. "Antibacterial effect of virgin coconut oil on the viability of chromogenic bacteria that causes dental black stain in children." *Int J Appl Pharm* 9.2 (2017).
1970. German, J.B. and C.J. Dillard. Saturated fats: A perspective from lactation and milk composition. *Lipids*. 2010, 45(10), 915-923. ISSN:0024-4201
1971. Goc, A., A. Niedzwiecki, and M. Rath. "In vitro evaluation of antibacterial activity of phytochemicals and micronutrients against *Borrelia burgdorferi* and *Borrelia garinii*." *Journal of applied microbiology* 119.6 (2015): 1561-1572.
1972. Ham, Youngseok, and Tae-Jong Kim. "Inhibitory activity of monoacylglycerols on biofilm formation in *Aeromonas hydrophila*, *Streptococcus mutans*, *Xanthomonas oryzae*, and *Yersinia enterocolitica*." *Springerplus* 5.1 (2016): 1-8.
1973. Hamedi, Hassan, Seyyed Mehdi Razavi-Rohani, and Hassan Gandomi. "Combination effect of essential oils of some herbs with monolaurin on growth and survival of *Listeria monocytogenes* in culture media and cheese." *Journal of Food Processing and Preservation* 38.1 (2014): 304-310.
1974. Hanczakowska, Ewa. "The Use of Medium-Chain Fatty Acids in Piglet Feeding—A Review." *Annals of Animal Science* 17.4 (2017): 967-977.
1975. Horincar, Georgiana, and Gabriela Bahrim. "The antimicrobial properties of enzymatic hydrolysates of goat milk fat." *The Annals of the University Dunarea de Jos of Galati. Fascicle VI-Food Technology* 41.1 (2017): 30-40.
1976. Iggman, David, and Ulf Risérus. "Role of different dietary saturated fatty acids for cardiometabolic risk." *Clinical lipidology* 6.2 (2011): 209-223.
1977. IQBAL, M., Shah, M. D., Gnanaraj, C., & Khan, M. S. (2015). *Dillenia Suffruticosa* L.,

- Impedes Carbon Tetrachloride-Induced Hepatic Damage by Modulating Oxidative Stress and Inflammatory Markers In Rats. *Journal of Environmental Pathology, Toxicology and Oncology*, 24, 133-152.
1978. Jaafar S. H. S., Hashim R., Hassan Z., Arifin N. A Comparative Study on Physicochemical Characteristics of Raw Goat Milk Collected from Different Farms in Malaysia. *Tropical Life Sci. Res.*, 29 (1), 195, 2018.
 1979. Kent, Jacqueline C., et al. "Role of breast milk." *Nutrition for the Preterm Neonate*. Springer, Dordrecht, 2013. 311-335.
 1980. Khosravinia, H. Effect of dietary supplementation of medium-chain fatty acids on growth performance and prevalence of carcass defects in broiler chickens raised in different stocking densities. *Journal of Applied Poultry Research* 2015, 24, 1-9
 1981. Klementavičiūtė, Jolita, et al. "EFFECT OF MEDIUM CHAIN FATTY ACIDS AND EMULSIFIER ON QUALITY PARAMETERS OF LAYING HEN 'S EGGS." *The Use of local raw material in the animal nutrition: benefits and limitations regarding digestive physiology, products quality and animal health: 6 October, 2016, Kaunas/Lietuvos sveikatos mokslų universitetas. Veterinarijos akademija. Gyvulininkystės Technologijos fakultetas. Gyvūnų auginimo technologijų institutas. Hohenheimo universiteto Gyvulių mitybos institutas (Vokietija) ir [kt.]. Kaunas: Lietuvos sveikatos mokslų universiteto Leidybos namai, 2016.*
 1982. Koçer, Bülent, and Burak Birgören. "Approaches for problem diagnosis via statistical process control charts." *Gazi University Journal of Science* 17.4 (2004): 59-69.
 1983. Kovanda, Lauren, et al. "In Vitro Antimicrobial Activities of Organic Acids and Their Derivatives on Several Species of Gram-Negative and Gram-Positive Bacteria." *Molecules* 24.20 (2019): 3770.
 1984. Kovanda, Lauren. *Antimicrobial Effects of Organic Acids and Their Derivatives*. Diss. University of California, Davis, 2020.
 1985. Kumar, Sandeep. "Dietary Saturated Fat: Facts and Fallacies." *Journal of Medical Academics* 1.2 (2018): 102-108.
 1986. Lalouckova, Klara, et al. "In vitro antagonistic inhibitory effects of palm seed crude oils and their main constituent, lauric acid, with oxacillin in *Staphylococcus aureus*." *Scientific Reports* 11.1 (2021): 1-12.
 1987. Laloučková, Klára, et al. "In vitro antimicrobial effect of palm oils rich in medium-chain fatty acids against mastitis-causing Gram-positive bacteria." *Czech Journal of Animal Science* 64.8 (2019): 325-331.
 1988. Lester, Katherine Louise. *Zoocin A and lauricidin in combination selectively inhibit *Streptococcus mutans* in a biofilm model*. Diss. University of Otago, 2011.
 1989. Liu, Tao, et al. "Dietary medium-chain α -monoglycerides increase BW, feed intake, and carcass yield in broilers with muscle composition alteration." *Poultry Science* (2020). in press
 1990. Liu, Tao, et al. "Glycerol monolaurate enhances reproductive performance, egg quality and albumen amino acids composition in aged hens with gut microbiota alternation." *Agriculture* 10.7 (2020): 250.
 1991. Liu, Tao, Jun Tang, and Fengqin Feng. "Medium-chain α -monoglycerides improves productive performance and egg quality in aged hens associated with gut microbiota modulation." *Poultry Science* 99(12), 7122-7132.
 1992. Longmore B. Want the good oil?: It's coconuts to you! *Austr. Pharmacist*, 2013, 32, 4, 73-74.
 1993. Lopes, Leonardo Quintana Soares, et al. "Glycerol monolaurate nanocapsules for biomedical applications: in vitro toxicological studies." *Naunyn-Schmiedeberg's archives of pharmacology*

- 392.9 (2019): 1131-1140.
1994. López-Colom, Paola, et al. "Efficacy of medium-chain fatty acid salts distilled from coconut oil against two enteric pathogen challenges in weanling piglets." *Journal of animal science and biotechnology* 10.1 (2019): 89.
 1995. Malá, L., et al. "Susceptibility of *Aeromonas hydrophila* to Medium-Chain Fatty Acids and their Monoesters." (2020).
 1996. Mazzone, G., Malaj, N., Galano, A., Russo, N., Toscano, M. Antioxidant properties of several coumarin-chalcone hybrids from theoretical insights. *RSC Advances* 2015, 5, 565-575.
 1997. Mbabazi, Immaculate, Phanice Wangila, and Isaac O. K'Owino. "Antimicrobial Activity of *Euclea divinorum* Hern (Ebenaceae) Leaves, Tender Stems, Root Bark and an Herbal Toothpaste Formulated from Its Ethanolic Root Bark Extract." *International Journal of Research and Reports in Dentistry* (2020): 8-16.
 1998. Mladenoska, Irina, and Darko Dimitrovski. "Preliminary evaluation of the antimicrobial activity of some spices used as additives in tomato sauce products." *Advanced Technologies* 6.1 (2017): 14-18.
 1999. Mladenoska, Irina, Vesna Nikolovska, and Lenče Puzderliska. "Model meat pasteurized sausages enriched with monolaurin as nutraceuticals with pronounced antimicrobial properties." *Food and Feed research* 39.2 (2012): 69-71.
 2000. Moran Ramirez, Kory Nathaly. "Super-dosing Phytase and Phytogenic Feed Additives to Improve the Performance and Health Status of Young Pigs." (2018).
 2001. Musa, Akpemi A., et al. "Phytochemical screening and antimicrobial activity of solvent fractions of *Securidaca longepedunculata* (Fresen) root bark methanol extract." *Journal of Chemical and Pharmaceutical Research* 5.10 (2013): 28-33.
 2002. Muskiet, F.A.J, Muskiet, M.H.A, Kuipers, R.S. Failure of the saturated fat hypothesis of cardiovascular diseases. *Nederlands Tijdschrift voor Klinische Chemie en Laboratoriumgeneeskunde*, 37 (3), 2012, 192-211 .
 2003. Nehdi, Imededdine Arbi, et al. "Chamaerops humilis L. var. argentea André date palm seed oil: a potential dietetic plant product." *Journal of food science* 79.4 (2014): C534-C539.
 2004. Pangprasit, Noppason, et al. "Antibacterial properties of lauric acid in combination with organic acids against major pathogens causing dairy mastitis." *Veterinary Integrative Sciences* 19.1 (2020).1-8
 2005. Pluske J. R., Kim J. C., Black J. L. Manipulating the immune system for pigs to optimise performance. *Anim. Prod. Sci.*, 58 (4), 666-680, 2018.
 2006. Pupala, Sameer Shivaji, et al. "Topical application of coconut oil to the skin of preterm infants: a systematic review." *European journal of pediatrics* 178.9 (2019): 1317-1324.
 2007. Ragionieri, L., et al. "Effect of the supplementation with a blend containing short and medium chain fatty acid monoglycerides in milk replacer on rumen papillae development in weaning calves." *Annals of Anatomy-Anatomischer Anzeiger* 207 (2016): 97-108.
 2008. Ramaswamy, Lalitha. "Antimicrobial Properties of *Cocos nucifera*: A Review." *CORD* 31.1 (2015): 6-6.
 2009. Ramirez, Kory Nathaly Moran. Super-dosing Phytase and Phytogenic Feed Additives to Improve the Performance and Health Status of Young Pigs. North Carolina State University, 2018.
 2010. Rengachari, S., Aschauer, P., Sturm, C., & Oberer, M. (2015). Purification, crystallization and preliminary X-ray diffraction analysis of a soluble variant of the monoglyceride lipase Yju3p from the yeast *Saccharomyces cerevisiae*. *Acta Crystallographica Section F: Structural Biology Communications*, 71(2), 242-245.

2011. Righi, Federico, et al. "Adding monoglycerides containing short and medium chain fatty acids to milk replacer: effects on health and performance of preweaned calves." *Italian Journal of Animal Science* 19.1 (2020): 1417-1427.
2012. Rogge, Tina, and José Vanheule. "Animal feed comprising a combination of mono glycerides." U.S. Patent No. 10,398,155. 3 Sep. 2019.
2013. Rongpan, Sudarat, et al. "Anti-Proliferative Effect of Long-Chain Monoglyceride Derivatives on Human Cervical Carcinoma Cell Line." *JOURNAL OF THE MEDICAL ASSOCIATION OF THAILAND* 100.10 (2017): 165.
2014. Roy, R. N. "Commentary: "Physicochemical Characterization and Antibacterial Activity of the Leaf oil of *Crotalaria pallida* Aiton." *Journal of Meningitis* 1 (2016): 110.
2015. Ruiz-Núñez, Begoña, DA Janneke Dijck-Brouwer, and Frits AJ Muskiet. "The relation of saturated fatty acids with low-grade inflammation and cardiovascular disease." *The Journal of Nutritional Biochemistry* 36 (2016): 1-20.
2016. SAARANI, NUR NAJIHA BINTI. "ANTIBACTERIAL AND CYTOCOMPATIBILITY ANALYSES ON TRIPLE LAYERED POLY (LACTIC-CO-GLYCOLIC ACID)/NANOAPATITE/LAURIC ACID COMPOSITE MEMBRANE." (2016).
2017. Santin, J. Gorduras saturadas: uma perspectiva da lactação e da composição do leite – Parte 2/3. *Ciencia do Leite*, 2011
2018. Santin, J. Gorduras saturadas: uma perspectiva da lactação e da composição do leite – Parte 3/3. *Ciencia do Leite*, 2011.
2019. Saputra, Leo, F. A. R. I. S. Z. A. Gita, and RATNA SARI Dewi. "Effect of 12.5% virgin coconut oil (*cocos nucifera*) mouthwash on plaque index of fixed prosthetic denture users." *Int J App Pharm* 9.2 (2017).
2020. Seca, Ana ML, et al. "Comparative study by GC-MS and chemometrics on the chemical and nutritional profile of *Fucus spiralis* L. juvenile and mature life-cycle phases." *Journal of Applied Phycology* 30.4 (2018): 2539-2548.
2021. Setianto, W. B., et al. "Synthesis of glycerol mono-laurate from lauric acid and glycerol for food antibacterial additive." *IOP Conference Series: Earth and Environmental Science*. Vol. 65. No. 1. IOP Publishing, 2017.
2022. Shah, M.D., Gnanaraj, C., Khan, M.S., Iqbal, M. *Dillenia Suffruticosa* L. Impedes carbon tetrachloride-induced hepatic damage by modulating oxidative stress and inflammatory markers in rats. *Journal of Environmental Pathology, Toxicology and Oncology* 2015, 34, 133-152
2023. Shah, Muhammad Dawood, Urban JA D'Souza, and Mohammad Iqbal. "The potential protective effect of *Commelina nudiflora* L. against carbon tetrachloride (CCl₄)-induced hepatotoxicity in rats, mediated by suppression of oxidative stress and inflammation." *Environmental health and preventive medicine* 22.1 (2017): 66.
2024. Silva, Joana M., et al. "A closer look in the antimicrobial properties of deep eutectic solvents based on fatty acids." *Sustainable Chemistry and Pharmacy* 14 (2019): 100192.
2025. Sinanoglou, V.J., Koutsouli, P., Fotakis, C., Sotiropoulou, G., Cavouras, D., Bizelis, I. Assessment of lactation stage and breed effect on sheep milk fatty acid profile and lipid quality indices. *Dairy Science and Technology* 2015, 95,509-531
2026. Sinanoglou, Vassilia J., et al. "Factors affecting human colostrum fatty acid profile: A case study." *PloS one* 12.4 (2017): e0175817.
2027. Slozhenkina, M. I., et al. "Possible replacing antibiotics with natural feed supplements in poultry farming." *IOP Conference Series: Earth and Environmental Science*. Vol. 677. No. 2. IOP Publishing, 2021.

2028. Smith, H. E., et al. Literatuurstudie en in vitro onderzoek naar antibacteriële werking van voeradditieven ter vermindering van de Streptococcus suis problematiek= Desk study and in vitro analysis of antibacterial effects of feed additives to reduce Streptococcus suis in the field. No. 760. Wageningen UR Livestock Research, 2014.
2029. Strunk T., Pupala S., Hibbert J., Doherty D., & Patole, S. (2018). Topical Coconut Oil in Very Preterm Infants: An Open-Label Randomised Controlled Trial. Neonatology, 113(2), 146-151.
2030. Sumarheni, Sudir, et al. "Effect of refined coconut oil intake on blood glucose, cholesterol, and leukocyte count of rats (Rattus norvegicus)." Drug Invention Today 12.4 (2019): 721-726.
2031. Suwanpiwat, A., W. Petpichetchian, K. Maneewat. The potential effect of the oral self-care program combining coconut oil pulling on mucositis of patients with cancer undergoing chemotherapy: a pilot study. Thai Cancer J., 2013, 33, 41-52.
2032. Tsuda, Kentaro, et al. "Effects of alkyl gallates, fatty acids, and acylglycerols on the growth of the psychrotolerant bacterium *Sporosarcina* sp. S92h." Biocatalysis and agricultural biotechnology 17 (2019): 294-298.
2033. Umerska, Anita, et al. "Antibacterial action of lipid nanocapsules containing fatty acids or monoglycerides as co-surfactants." European Journal of Pharmaceutics and Biopharmaceutics 108 (2016): 100-110.
2034. Umerska, Anita, et al. "Synergistic interactions between antimicrobial peptides derived from plectasin and lipid nanocapsules containing monolaurin as a cosurfactant against *Staphylococcus aureus*." International journal of nanomedicine 12 (2017): 5687-5699.
2035. van der Gaag, Ellen José, Romy Wieffer, and Judith van der Kraats. "Advising Consumption of Green Vegetables, Beef, and Full-Fat Dairy Products Has No Adverse Effects on the Lipid Profiles in Children." Nutrients 9.5 (2017): 518.
2036. van der Kraats, Judith. Een retrospectieve studie naar het effect van groene groenten, rundvlees, volle melk en roomboter op het lipidenprofiel bij kinderen. Diss. 2014.
2037. Vltavská, Pavlína, et al. "Antifungal and antibacterial effects of 1-monocaprylin on textile materials." European Journal of Lipid Science and Technology 114.7 (2012): 849-856.
2038. WANG, WENYUE, et al. "In Vitro Antibacterial Activities and Mechanisms of Action of Fatty Acid Monoglycerides against Four Foodborne Bacteria." Journal of Food Protection 83.2 (2020): 331-337.
2039. Wang, Yuchao, et al. "Dietary glycerol monolaurate improved the growth, activity of digestive enzymes and gut microbiota in zebrafish (*Danio rerio*)." Aquaculture Reports 20 (2021): 100670.
2040. Yoon, Bo Kyeong, et al. "Competing Interactions of Fatty Acids and Monoglycerides Trigger Synergistic Phospholipid Membrane Remodeling." The Journal of Physical Chemistry Letters (2020) 11(13), 4951-4957.
2041. Yuliana, Renita, et al. "Daya Antimikrobia Sarang Lebah Madu *Trigona* spp terhadap Mikrobia Patogen." Bioedukasi: Jurnal Pendidikan Biologi 8.1 (2015): 67-72.
2042. Zhang, Song, et al. "The identification of critical lethal action in antimicrobial mechanism of glycerol monomyristate against foodborne pathogens." bioRxiv (2018): 336354.
2043. Zhao, Min-jie, et al. "Effects of dietary glycerol monolaurate on productive performance, egg quality, serum biochemical indices, and intestinal morphology of laying hens." Journal of Zhejiang University-SCIENCE B 20.11 (2019): 877-890.
2044. Amorn Suwan Phiwat, A.S. Effects of a self-care oral care program combined with coconut oil gargle on gingivitis in cancer patients receiving chemotherapy. Thai Journal of Nursing Council, 32.1 (2017): 18-31.

96). Batovska, D., Parushev, S., Stamboliyska, B., Tsvetkova, I., Ninova, M., NAJDENSKI, H. Examination of growth inhibitory properties of synthetic chalcones for which antibacterial activity was predicted (2009) European Journal of Medicinal Chemistry, 44 (5), pp. 2211-2218.

2045. Abdullah, Maryam Aisyah, et al. "Development of diarylpentadienone analogues as α -glucosidase inhibitor: Synthesis, in vitro biological and in vivo toxicity evaluations, and molecular docking analysis." *Bioorganic Chemistry* 104 (2020): 104277.
2046. Ahamed, A. Asrar, and M. Mohamed Sihabudeen. "Synthesis and biological evaluation of some novel heterocyclic Chalcone derivatives." *Asian Journal of Pharmacy and Pharmacology* 3.6 (2017): 247-250.
2047. Aksöz, B. Evranos, and Rahmiye Ertan. "Chemical and structural properties of chalcones I." *FABAD J Pharm Sci* 36 (2011): 223-242.
2048. Aksöz, Begüm Evranos, and Rahmiye Ertan. "Spectral properties of chalcones II." *Fabad J. Pharm. Sci* 37.4 (2012): 205-216.
2049. Ali, Akbar, et al. "Crystal and Quantum Chemical Exploration of the Potent Monocarbonyl Curcuminoids to Unveil Their Structural and Intriguing Electronic Properties." *ChemistrySelect* 5.12 (2020): 3735-3745.
2050. Almutaleb, Arabya AA, et al. "Synthesis, Characterization and Biological Activity of (E)-9-Benzylidene-5-phenyl-5, 6, 7, 8, 9, 10-hexahydro-[1, 2, 4] triazolo [3, 4- α] quinazoline." *Jordan Journal of Chemistry (JJC)* 15.3 (2020): 111-118.
2051. Alrubaie, Leaqa A., Raheem J. Muhasin, and Mazin N. Mousa. "Synthesis, characterization and evaluation of antiinflammatory properties of novel α , β -unsaturated ketones." *Tropical Journal of Pharmaceutical Research* 19.1 (2020): 147-154.
2052. Ashburn, Bradley O. "Computational Analysis of a Series of Chlorinated Chalcone Derivatives." *Computational Chemistry* 7.4 (2019): 106-120.
2053. Ashok, D., K. Sudershan, and M. Khalilullah. "Solvent-free microwave-assisted synthesis of E-(1)-(6-benzoyl-3, 5-dimethylfuro [3', 2': 4, 5] benzo [b] furan-2-yl)-3-(aryl)-2-propen-1-ones and their antibacterial activity." *Green Chemistry Letters and Reviews* 5.2 (2012): 121-125.
2054. Asiri, A.M. and S.A. Khan. (2E)-3-(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yl)-1-(2,5-dimethyl-3-furanyl)prop-2-en-1-one. *MolBank*. 2010, 2010 (2), 1-3. ISSN:1422-8599
2055. Avupati, V. R., & Yejella, R. P.. Chalcones: a mini review. *World J. Pharm. Pharmaceut. Sci.* 2014, 3, 1713-1742
2056. Bale A. T., Khan K. M., Salar U., Chigurupati S., Fasina T., Ali F., Kanwal, Wadood A., Taha M., Nanda S. S., Ghufra M., Perveen, S. Chalcones and bis-chalcones: As potential α -amylase inhibitors; synthesis, in vitro screening, and molecular modelling studies. *Bioorg. Chem.*, 79, 179-189, 2018.
2057. Baydere, Cemile, et al. "Crystal structure and Hirshfeld surface analysis of (E)-2-(2, 4, 6-trimethylbenzylidene)-3, 4-dihydronaphthalen-1 (2H)-one." *Acta Crystallographica Section E: Crystallographic Communications* 75.6 (2019): 746-750.
2058. Biswal, Priyabrata, et al. "Cobalt (II) porphyrin-Mediated Selective Synthesis of 1, 5-Diketones via an Interrupted-Borrowing Hydrogen Strategy Using Methanol as a C1 Source." *The Journal of Organic Chemistry* (2021).
2059. Bogi, Ana. Priprave halkona i njihovih oksima. Diss. University of Zagreb. Faculty of Science. Department of Chemistry, 2018.
2060. Božić, Dragana D. "Antimikrobna aktivnost halkona i in vitro uticaj na fiziološko-biohemijske karakteristike i ekspresiju faktora virulencije meticilin-rezistentnih sojeva *Staphylococcus aureus*." *Универзитет у Београду* (2014).

2061. Caboni, Pierluigi, et al. "Nematicidal activity of acetophenones and chalcones against *Meloidogyne incognita* and structure–activity considerations." *Pest management science* 72.1 (2016): 125-130.
2062. Cushnie, TP Tim, and Andrew J. Lamb. "Recent advances in understanding the antibacterial properties of flavonoids." *International journal of antimicrobial agents* 38.2 (2011): 99-107.
2063. Daglia, Maria. "Polyphenols as antimicrobial agents." *Current opinion in biotechnology* 23.2 (2012): 174-181.
2064. Dan, Wenjia, and Jiangkun Dai. "Recent developments of chalcones as potential antibacterial agents in medicinal chemistry." *European Journal of Medicinal Chemistry* 187 (2020): 111980.
2065. Dar, Bilal Ahmad, et al. "Synthesis and screening of ursolic acid-benzylidene derivatives as potential anti-cancer agents." *European Journal of Medicinal Chemistry* 111 (2016): 26-32.
2066. de Oliveira Santos, Giselle C., et al. "Candida infections and therapeutic strategies: mechanisms of action for traditional and alternative agents." *Frontiers in microbiology* 9 (2018): 1351.
2067. Din, Z.Ud, T.P. Fill, F.F. de Assis, et al. Unsymmetrical 1, 5-diaryl-3-oxo-1, 4-pentadienyls and their evaluation as antiparasitic agents. *Bioorg. Med. Chem.*, 2014, 22, 3, 1121-1127.
2068. Din, Zia Ud, and Edson Rodrigues-Filho. "Optimized one-pot synthesis of monoarylidene and unsymmetrical diarylidene cycloalkanones." *Arabian Journal of Chemistry* 12.8 (2019): 4756-4763.
2069. Din, Zia Ud, et al. "Phytotoxicity, structural and computational analysis of 2-methyl-1, 5-diarylpentadienones." *Journal of Molecular Structure* 1142 (2017): 239-247.
2070. Eddarir, Said, Mohammed Kajjout, and Christian Rolando. "An efficient synthesis of (Z)- α -fluorochalcones via the palladium-catalyzed cross-coupling reaction of (Z)- α -fluorocinnamoyl chloride with boronic acids." *Tetrahedron* 69.6 (2013): 1735-1738.
2071. Evranos Aksöz, B. and R. Ertan. Chemical and structural properties of chalcones I. *Fabad J. Pharm. Sci.*, 2011, 36(4), 223-242.
2072. Evranos-Aksöz, Begüm, Fatma Kaynak Onurdağ, and Selda Özgen Özgacar. "Antibacterial, antifungal and antimycobacterial activities of some pyrazoline, hydrazone and chalcone derivatives." *Zeitschrift für Naturforschung C* 70.7-8 (2015): 183-189.
2073. Fernandes, Thaís Alves. "Estudo do efeito e do mecanismo de ação de chalconas derivativas na secreção de insulina: ilhotas pancreáticas." (2018).
2074. Fernandes, W.B., L.A. Malaspina, F.T. Martins. Conformational variability in a new terpenoid-like bischalcone: structure and theoretical studies. *J. Struct. Chem.*, 2013, 54, 6, 1112-1121.
2075. Ferraz, Carlos AN, et al. "Potentiation of antibiotic activity by chalcone (E)-1-(4'-aminophenyl)-3-(furan-2-yl)-prop-2-en-1-one against gram-positive and gram-negative MDR strains." *Microbial Pathogenesis* 148 (2020): 104453.
2076. Fourman, Cody. "PharmaFlights: Fragment based drug discovery based on chalcones with a 3, 4, 5-trimethoxy substitution on ring B." (2018).
2077. Garg, S., I. Ravish, N. Raghav. Spectrophotometric analysis of bovine serum albumin in presence of 3-phenyl-1-(pyridin-2-yl) prop-2-en-1-ones. *Int. J. ChemTech. Res.*, 2013, 5, 5, 2338-2343.
2078. Ghoneim, Amira A., Rehab M. Elbargisy, and Afaf Manoer. "Design and synthesis of heterocyclic Compounds from 1, 4-diacetylbenzene with Expected Antimicrobial Activity." *Egyptian Journal of Chemistry* 63.8 (2020): 9-10.
2079. Gomes, Marcelo N., et al. "QSAR-driven design, synthesis and discovery of potent chalcone derivatives with antitubercular activity." *European Journal of Medicinal Chemistry* 137 (2017): 126-

2080. Gonsalves, I. S., and A. R. Shaikh. "2D QSAR Analysis of 3', 4', 5'-trimethoxychalcone analogues as inhibitors of nitric oxide production and tumor cell proliferation." *J Comput Methods Mol Des* 2.1 (2012): 24-38.
2081. Guil-Guerrero, J. L., et al. "Antimicrobial activity of plant-food by-products: A review focusing on the tropics." *Livestock Science* 189 (2016): 32-49.
2082. Guil-Guerrero, J. L., et al. "Plant-food by-products to improve farm-animal health." *Animal Feed Science and Technology* 220 (2016): 121-135.
2083. Guimarães Neto, José Jamil Aniz. "Estudo cristalográfico da chalcona fluorada C₁₈H₁₇FO como potencial pesticida." (2018).
2084. Jaime, V.B.J. Solvent-free synthesis of ferrocenylchalcones. *Int.J. Chem.Tech. Res.*2014,6(1), 138-146.
2085. Jurić, Tatjana. Ispitivanje biljnih vrsta *Alchemilla vulgaris* L. i *Satureja hortensis* L.: fitohemijski profil i biološka aktivnost u in vitro i in vivo uslovima. Diss. Универзитет у Крагујевцу, Природно-математички факултет, 2020.
2086. Kamal, Ahmed, et al. "Synthesis and anticancer activity of 4 β -alkylamidochalcone and 4 β -cinnamido linked podophyllotoxins as apoptotic inducing agents." *European journal of medicinal chemistry* 47 (2012): 530-545.
2087. Kazmi, Madiha, et al. "Developing new hybrid scaffold for urease inhibition based on carbazole-chalcone conjugates: Synthesis, assessment of therapeutic potential and computational docking analysis." *Bioorganic & Medicinal Chemistry* 27.22 (2019): 115123.
2088. Ke, C., W. Di, X. Wei, et al. Latest progress antibacterial activity of polyphenol compounds *Food Ind. Technol.*, 2012, 33 (17), 405-408.
2089. Khalid, Muhammad, et al. "Facile preparation, characterization, SC-XRD and DFT/DTDFT study of diversely functionalized unsymmetrical bis-aryl- α , β -unsaturated ketone derivatives." *Journal of Molecular Structure* 1206 (2020): 127755.
2090. Kim, Daon, et al. "Synthesis of higher carbon sugars thio-functionalized with heterocycles." *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY*. Vol. 257. 1155 16TH ST, NW, WASHINGTON, DC 20036 USA: AMER CHEMICAL SOC, 2019.
2091. Kim, Yuri A., et al. "Flavonoids determine the rate of fibrillogenesis and structure of collagen type I fibrils in vitro." *International Journal of Biological Macromolecules* (2017).
2092. Kottapalle, Gajanan D., Nagesh J. Deshmukh, and Avinash T. Shinde. "Growth Inhibitory Properties of Synthetic Chalcones." *Current Bioactive Compounds* 16.6 (2020): 892-899.
2093. Kumar R, Sharma P, Shard A, et al. Chalcones as promising pesticidal agents against diamondback moth (*Plutella xylostella*): microwave-assisted synthesis and structure–activity relationship. *Med. Chem. Res.*, 21 (6), 2012, 922-931.
2094. Kumar, B., Kumari, B., Singh, N., Ram, B., Balram, B. Synthesis, characterization and antibacterial activity of some new chalcone derivatives. *Der Pharma Chemica* 2015, 7, 286-291.
2095. Kumar, Rakesh, et al. "Reinvestigation of structure–activity relationship of methoxylated chalcones as antimalarials: Synthesis and evaluation of 2, 4, 5-trimethoxy substituted patterns as lead candidates derived from abundantly available natural β -asarone." *European journal of medicinal chemistry* 45.11 (2010): 5292-5301.
2096. Lai, C.-H., Y.K.Rao, S.-H.Fang, Y.-T.Sing, Y.-M.Tzeng, Identification of 3',4',5'-trimethoxychalcone analogues as potent inhibitors of *Helicobacter pylori*-induced inflammation in human gastric epithelial cells, *Bioorg. Med. Chem. Lett.*, DOI: 10.1016/j.bmcl.2010.07.094.
2097. Liu, L., Feng, S., Li, C. A green synthesis of highly substituted 1,5-diketones. *RSC Advances*

2098. Mansoorian, Bahareh. Effect of food matrix interaction between dietary fibre and polyphenols on their metabolism by colonic bacteria. Diss. University of Glasgow, 2014.
2099. Maravalho, Izabella Vitoria Souza. "Síntese de chalconas e seus derivados heterocíclicos com potencial fotofísico." (2019).
2100. Marcoux, Eve. Propriétés antibactériennes envers *Enterococcus faecalis* et innocuité de quatre composés naturels et de la nisine: une étude in vitro. Diss. Université Laval, 2019.
2101. Mazzone G., Malaj N., Galano A., Russo N., Toscano M. Antioxidant properties of several coumarin–chalcone hybrids from theoretical insights RSC Adv., 2015, 5, 565-575
2102. Meier, Dieter. Screening for novel antimicrobial agents and elucidation of the corresponding mechanisms. Diss. 2020.
2103. Mikłasińska-Majdanik M., Kępa M., Wojtyczka R., Idzik D., Wąsik T. (2018). Phenolic Compounds Diminish Antibiotic Resistance of *Staphylococcus Aureus* Clinical Strains. Int J Environ Res Public Health, 15 (10), 2321, 2018.
2104. Ming, Liew Suk, et al. "Synthesis, characterization, antifungal activities and crystal structure of thiophene-based heterocyclic chalcones." Chemical Data Collections 9 (2017): 104-113.
2105. Mitrev, Yavor N., et al. "Original enzyme-catalyzed synthesis of chalcones: Utilization of hydrolase promiscuity." Journal of the Serbian Chemical Society 81.11 (2016): 1231-1237.
2106. Mojarrad, J.S., G. Zarrini, H. Nazemiye, M.R. Zavareh, Z. Khoshkam and D. Asgari. Synthesis, antimicrobial and antioxidant evaluations of allyloxy chalcone derivatives. Pharm. Sci., 2011, 17(1), 65-73.
2107. Mora, C.L., J. Castaño, M.C. Jaramillo. Actividad inhibitoria de dihidroxifenilpropenona sobre β -lactamasa de *Enterobacter cloacae*: estudio preliminar en el desarrollo de fármacos para enfrentar la resistencia bacteriana. Biomédica, 2013, 34 (Supl. 1), 114-123.
2108. Mowlana, M. Yaseen, and A. J. A. Nasser. "Synthesis and Molecular Docking studies of Heterocyclic Chalcone Derivatives as BRCA1 inhibitors." International Journal of Pharmaceutical Chemistry 3 (2015): 196-200.
2109. Murtaza, Shahzad, et al. "Synthesis and Evaluation of Chalcone and its Derivatives as Potential Anticholinergic Agents." Letters in Drug Design & Discovery 16.3 (2019): 322-332.
2110. Muškinja, Jovana M., et al. "Synthesis and anticancer activity of chalcone analogues with sulfonyl groups." Medicinal Chemistry Research 28.3 (2019): 279-291.
2111. Ngameni, B., et al. "Synthesis and evaluation of anticancer activity of O-allylchalcone derivatives." medicinal chemistry 3.3 (2013): 233-237.
2112. Niu, C., Li, G., Tuerxuntayi, A., Aisa, H.A. Synthesis and bioactivity of new chalcone derivatives as potential tyrosinase activator based on the click chemistry Chinese Journal of Chemistry 33, 2015, 486-494
2113. Niu, Chao, and Haji A. Aisa. "Upregulation of Melanogenesis and Tyrosinase activity: potential agents for Vitiligo." Molecules 22.8 (2017): 1303.
2114. Nixha, A.R., Arslan, M., Atalay, Y., et al. Synthesis and theoretical calculations of carbazole substituted chalcone urea derivatives and studies their polyphenol oxidase enzyme activity. J. Enz. Inhib. Med. Chem. 4, 28, 2013, 808-815.
2115. Ogle, Wesley Guy Cheslan. Synthesis, characterization and antioxidant activity of prenylated and fluorine based flavonoids. Diss. 2013.
2116. Pang, D., Liu, Fa, Shi, Y., Liu, J., et al. Antibacterial activity of 10 phenolic compounds from mulberry. J. China Pharm. University, 2014, 45, 2, 221-226.
2117. Paramesh, M. Synthesis and biological evaluation of novel pyrazole derivatives. Pharm.

Chem., Rajiv Gandhi University of Health Sciences, Karnataka, Bangalore, 2010
<http://hdl.handle.net/123456789/546>

2118. Paramesh, M., Niranjana, M.S., Niazi, S., et al. Synthesis and antimicrobial study of some chlorine containing chalcones. *Int. J. Pharm. Pharmac. Sci.*, 2010, 2(2), 113-117.
2119. Rafiee, E., F. Rahimi. Synthesis of biologically active chalcone analogues via claisen-schmidt condensation in solvent-free conditions: supported mixed addenda heteropoly acid as a heterogeneous catalyst. *J. Chil. Chem. Soc.*, 2013, 58, 3, 1926-1929.
<http://dx.doi.org/10.4067/S0717-97072013000300029>
2120. Rai, S., P. N. Patel, and A. Chadha. "Preparation, characterisation, and crystal structure analysis of (2E, 2' E)-3, 3'-(1, 4-phenylene) bis (1-(2-aminophenyl) prop-2-en-1-one." *Crystallography Reports* 61.7 (2016): 1086-1089.
2121. Ramakrishna, A., V. Sirisha, M.A. Jose, B. Narasimharao, B. Deepthi, P. Ramankumar, M. Soumya and T. Ramanamma. Synthesis and evaluation of anti-bacterial activity of some new benzofuran chalcone derivatives. *Indian Drugs*. 2011, 48(4), 25-29.
2122. Rao, Yerra Koteswara, Shih-Hua Fang, and Yew-Min Tzeng. "Synthesis and biological evaluation of 3', 4', 5'-trimethoxychalcone analogues as inhibitors of nitric oxide production and tumor cell proliferation." *Bioorganic & medicinal chemistry* 17.23 (2009): 7909-7914.
2123. Reid, Rachael, et al. "Controlling blown pack spoilage using anti-microbial packaging." *Foods* 6.8 (2017): 67.
2124. Russell, M., Soiket, M.I.H. Some new azole type heterocyclic compounds as antifungal agents. *Organic Communications* 2015, 7, 114-122
2125. Saidugari, Swamy, et al. "Synthesis, Characterization and Antimicrobial Evaluation of Novel (E)-N'-(4-(1-((3, 4-dimethoxypyridin-2-yl) methyl)-1H-1, 2, 3-triazol-4-yl) benzylidene) benzohydrazide Derivatives." *Oriental Journal of Chemistry* 32.4 (2016): 2155-2161.
2126. Salum, B., Altei, W.F., Chiaradia, L.D., et al. A. Cytotoxic 3,4,5-trimethoxychalcones as mitotic arresters and cell migration inhibitors. *Eur. J. Med. Chem.*, 63, 2013, 501-510.
2127. Sankaran S., Balasubramanian R. Insight into the lipophilicity of selected monosubstituted chalcones. *Pak. J. Pharm. Sci.*, 31 (3), 941-946, 2018.
2128. Santos G. C. D. O., Vasconcelos C. C., Lopes A. J. O., Cartagena M. D. S. D. S., Barros Filho A. K. D., Nascimento F. R., Ramos R. M., Pires E. R. R. B, de Andrade M. S., Rocha F. M. G., Monteiro, C. D. A. Candida infections and therapeutic strategies: mechanisms of action for traditional and alternative agents. *Front. Microbiol.*, 9, 1351, 2018.
2129. Sarbu, L. G., et al. "Synthetic flavonoids with antimicrobial activity: a review." *Journal of applied microbiology* 127.5 (2019): 1282-1290.
2130. Sarkı, Gülpınar, et al. "Synthesis, characterization and electrochemical studies of metal-free and metallophthalocyanines containing two different chalcone units substituted on peripherally positions." *Journal of Molecular Structure* 1196 (2019): 592-603.
2131. Saroj, Manju K., Neera Sharma, and Ramesh C. Rastogi. "Photophysical study of some 3-benzoylmethyleneindol-2-ones and estimation of ground and excited states dipole moments from solvatochromic methods using solvent polarity parameters." *Journal of Molecular Structure* 1012 (2012): 73-86.
2132. Saroj, Manju Kumari, Neera Sharma, and Ramesh C. Rastogi. "Solvent effect profiles of absorbance and fluorescence spectra of some indole based chalcones." *Journal of fluorescence* 21.6 (2011): 2213-2227.
2133. Sedighi V, Azerang P, Soroush Sardari S. Synthesis of dibenzalacetone derivatives and evaluation of their antimycobacterial property. *Int. Conf. Adv. Biol. Pharmac. Sci. (ICABPS'2012)*

March 24-25, 2012, Dubai.

2134. Senthilkumar, G., K. Neelakandan and H. Manikandan. A convenient, green, solvent free synthesis and characterization of novel fluoro chalcones under grind-stone chemistry. *Pelagia Research Library, Der Chemica Sinica*, 2014, 5, 2, 106-113
2135. Senthilkumar, N., et al. "Synthesis And Biological Evaluation of New S-Mannich Bases of 3-Methyl-4-Phenyl-3, 4, 5, 6, 7, 8, Hexahydroquinazoline-2 (1h)-Thione." *Asian Journal of Research in Chemistry* 4.10 (2011): 1573-1577.
2136. Shah S., N.N., H. Md. Ziauddin, M. Zameer, J.A. Dhole, T. Khan and M.A. Baseer. Synthesis and antimicrobial studies of some novel pyrrolidine chalcones. *Der Pharmacia Lettre*. 2011, 3(1), 180-184.
2137. Shahbazi, .M.J., Zarrini, G., Nazemiye H. Et al. Synthesis, antimicrobial and antioxidant evaluations of allyloxy chalcone derivatives. *Pharm. Sci.*, 2011, 17, 1, 65-73.
2138. Song M. X., Deng X. Q. Synthesis and Biological Evaluation of Uncharged Chalcone Derivatives as Novel PTP1B Inhibitors. *Lat. Am. J. Pharm.*, 37 (1), 68-72, 2018.
2139. Sonmez, Fatih, et al. "Evaluation of new chalcone derivatives as polyphenol oxidase inhibitors." *Bioorganic & medicinal chemistry letters* 21.24 (2011): 7479-7482.
2140. Stompor M., Potaniec B., Szumny A., Zielinski P., Zonierczyk AK., Anioł M. Microbial synthesis of dihydrochalcones using *Rhodococcus* and *Gordonia* species. *J. Mol. Catal. B: Enzymatic*, 97, 2013, 283-288.
2141. Stompor, Monika, and Barbara Żarowska. "Antimicrobial activity of xanthohumol and its selected structural analogues." *Molecules* 21.5 (2016): 608.
2142. Tailor, N.K. One pot synthesis and antibacterial activity of tetrahydrochalcones. *Int. J. Pharm. Erudition*, 2013, 3, 3, 41-47.
2143. Tailor, N.K. Synthesis and antibacterial profile of certain chalcones and their reduction. *Int. J. Pharm. Erudition*, 2014, 3, 4, 17-23.
2144. Vásquez-Martínez, Yesseny A., et al. "Antimicrobial, Anti-Inflammatory and Antioxidant Activities of Polyoxygenated Chalcones." *Journal of the Brazilian Chemical Society* 30.2 (2019): 286-304.
2145. Vazquez-Rodriguez, S., Figueroa-Guñez, R., Matos, M.J., et al. Synthesis of coumarin-chalcone hybrids and evaluation of their antioxidant and trypanocidal properties. *Med. Chem. Comm.*, 2013, 6, 4, 993-1000.
2146. Vazquez-Rodriguez, S., López, R. L., Matos, M. J., Armesto-Quintas, G., Serra, S., Uriarte, E., ... & Santos, Y. (2015). Design, synthesis and antibacterial study of new potent and selective coumarin-chalcone derivatives for the treatment of tenacibaculosis. *Bioorganic & medicinal chemistry*, 23(21), 7045-7052.
2147. Vazquez-Rodriguez, Saleta, et al. "Coumarin-chalcone derivatives as potential antitrypanosomal and antioxidant compounds." *ECSOC* 16 (2012): 1-14. <http://www.usc.es/congresos/ecsoc/> & <http://www.sciforum.net/conf/ecsoc-16/>
2148. Venkatesan P, Maruthavanan T. Piperidine-mediated synthesis of thiazolyl chalcones and their derivatives as potent antimicrobial agents. *Nat. Prod. Res.*, 2012, 26(3), 223-234.
2149. Venkatesan, P., and T. Maruthavanan. "Piperidine-mediated synthesis of thiazolyl chalcones and their derivatives as potent antimicrobial agents." *Journal of Heterocyclic Chemistry* 48.5 (2011): 1181-1186.
2150. Viridi, Amardeep Singh, and Narpinder Singh. "Antimicrobial Peptides and Polyphenols: Implications in Food Safety and Preservation." *Microbial Control and Food Preservation*. Springer, New York, NY, 2017. 117-152.

2151. Voltolini, B.G. Obtenção de chalconas heterocíclicas via condensação de claisen-schmidt e avaliação do seu potencial como inibidores da enzima YopH. MS Thesis, Univ. Fed. de Santa Catarina, 2012.
2152. Wu, Jianzhang, et al. "Synthesis and crystal structure of chalcones as well as on cytotoxicity and antibacterial properties." *Medicinal Chemistry Research* 21.4 (2012): 444-452.
2153. Xia, Y. & C. Dongmei. Progress in the synthesis and biological activity of chalcones. *Zhejiang Chem. Industry*, 2011, 42 (9), 11-13.
2154. Xiao, Yingcong. "The crystal structure of (3Z, 3' Z)-4, 4'-((1, 4-phenylenebis (methylene)) bis (azanediy)) bis (pent-3-en-2-one), C₁₈H₂₄N₂O₂." *Zeitschrift für Kristallographie-New Crystal Structures* (2021).
2155. Xu, Man, et al. "Chalcone derivatives and their antibacterial activities: Current development." *Bioorganic chemistry* 91 (2019): 103133.
2156. Xu, Wang, et al. "Synthesis, Crystal Structures and Antioxidant Activities of 1, 5-Diketone Derivatives." *CHINESE JOURNAL OF STRUCTURAL CHEMISTRY* 39.9 (2020): 1655-1661.
2157. Yadav, Khushbu, Abha Sharma, and J. N. Srivastava. "Microwave Assisted Synthesis and Antibacterial Activity of Chalcone Derivatives." *Asian Journal of Chemistry* 24.12 (2012): 5779.
2158. Yosef, Hisham Abdallah A., et al. "Synthesis, stereochemistry and antitumor evaluation of some novel chalcone derivatives." *Journal of Chemical and Pharmaceutical Research* 8.7 (2016): 943-957.
2159. You, T., F. Liu, L. Wen, et al. Advance in studies on antibacterial effect of flavonoids. *China J. Chinese Mat. Med.*, 2013, 38(21), 3645. DOI : 10.4268/cjcmm20132109
2160. Yu, T., L. Fan, W. Lu, et al. Research progress in inhibitory effect of flavonoids. *Chinese Mat. Med.*, 2013, 38 (21), 3645.
2161. Zhang, Weilian, et al. "The crystal structure of (Z)-3-((2-(2-(2-aminophenoxy) ethoxy) phenyl) amino)-1-phenylbut-2-en-1-one, C₂₄H₂₄N₂O₃." *Zeitschrift für Kristallographie-New Crystal Structures* 236.3 (2021): 601-603.