

## Documents

- 1) Mohamed-Ezzat, R.A., Elgemeie, G.H.

**Novel synthesis of new triazine sulfonamides with antitumor, anti-microbial and anti-S.**  
(2024) *BMC Chemistry*, 18 (1), art. no. 58, .

- 2) Moreno, L.M., Quiroga, J., Abonia, R., Crespo, M.D.P., Aranaga, C., Martínez-Martínez, L., S Burbano, M.E., Insuasty, B.

**Synthesis of Novel Triazine-Based Chalcones and 8,9-dihydro-7H-pyrimido[4,5-b][1,4]d**  
**in the Search of Anticancer, Antibacterial and Antifungal Agents**  
(2024) *International Journal of Molecular Sciences*, 25 (7), art. no. 3623, .

- 3) Nawaz, T., Tajammal, A., Qurashi, A.W.

**Chalcones As Broad-Spectrum Antimicrobial Agents: A Comprehensive Review And A**  
**Antimicrobial Activities**  
(2023) *ChemistrySelect*, 8 (45), art. no. e202302798, .

- 4) Al-Muntaser, S.M., El-Naggar, A.M., Abdel-Sattar, N.E.A., Khalil, A.K., Abbass, E.M.

**Synthesis, DFT Calculations and Spectral Characterization of Novel Pyrimidine and Py**  
(2023) *Egyptian Journal of Chemistry*, 66 (11), pp. 611-619.

- 5) Hoque, E., Tran, P., Jacobo, U., Bergfeld, N., Acharya, S., Shamshina, J.L., Reid, T.W., Abidi,

**Antimicrobial Coatings for Medical Textiles via Reactive Organo-Selenium Compounds**  
(2023) *Molecules*, 28 (17), art. no. 6381, .

- 6) Karaytuğ, M.O., Balci, N., Türkan, F., Gürbüz, M., Demirkol, M.E., Namlı, Z., Tamam, L., Gülç

**Piperazine derivatives with potent drug moiety as efficient acetylcholinesterase, butyr**  
**glutathione S-transferase inhibitors**  
(2023) *Journal of Biochemical and Molecular Toxicology*, 37 (2), art. no. e23259, .

- 7) Karthikeyan, A., Suresh, J., Balaji, K., Manikandan, S., Sudhakar, C., Sivakumar, K., Arun, A.  
**Synthesis, Antioxidant and Antibacterial Effects of Chalcone-Triazine Hybrid Metal Cor**  
(2023) *Chemistry Africa*, 6 (1), pp. 275-286.
- 8) Murhekar, G.H., Deshmukh, S.V.  
**Synthesis, characterization and antimicrobial property of novel series of 3-(4-substituted morpholino-6-((4-nitrophenyl) amino)-1,3,5-triazin-2-yl)amino)phenyl) prop -2-en-1-one**  
(2023) *Materials Today: Proceedings*, 92, pp. 1602-1615.
- 9) Jaraph-Alhadad, L.A., Mekheimer, R.A., Moustafa, M.S., Abdel-Hameed, A., Abd-Elmonem, M Sadek, K.U.  
**A novel one-pot three-component synthesis of 4-aryl-6-alkylamino/piperidinyl-1,3,5-triazine controlled microwave irradiation**  
(2023) *Arkivoc*, 2023 (7), art. no. 202312043, .
- 10) Khalil, A.F., El-Moselhy, T.F., El-Bastawissy, E.A., Abdelhady, R., Younis, N.S., El-Hamamsy, M.  
**Discovery of novel enasidenib analogues targeting inhibition of mutant isocitrate dehydrogenase antileukaemic agents**  
(2023) *Journal of Enzyme Inhibition and Medicinal Chemistry*, 38 (1), art. no. 2157411, .
- 11) Iqbal, A., Khan, A., Alam, M.J., Siddiqui, T., Ali, A.  
**L-Proline Catalyzed Synthesis of Steroidal Pyridones And Their DFT Studies**  
(2022) *ChemistrySelect*, 7 (43), art. no. e202202286, .
- 12) Sulimov, A., Ilin, I., Kutov, D., Shikhaliev, K., Shcherbakov, D., Pyankov, O., Stolpovskaya, N.  
**New Chemicals Suppressing SARS-CoV-2 Replication in Cell Culture**  
(2022) *Molecules*, 27 (17), art. no. 5732, .
- 13) Marinescu, M., Popa, C.-V.  
**Pyridine Compounds with Antimicrobial and Antiviral Activities**  
(2022) *International Journal of Molecular Sciences*, 23 (10), art. no. 5659, .

14) Khalil, T.E., Dahlous, K.A., Soliman, S.M., Khalil, N.A., El-Faham, A., El-Dissouky, A.

**Synthesis, X-ray Structure and Biological Studies of New Self-Assembled Cu(II) Complex of a New Schiff Base Ligand**

(2022) *Molecules*, 27 (9), art. no. 2989, .

15) Selvaraj, R., Suresh, J., Vakees, E., Arun, A.

**Synthesis of Novel Organic Compounds from Cyanuric Chloride Containing 1-(4-(7-Chloro-2-aminophenyl)-3-(4-hydroxyphenyl)prop-2-en-1-one Chalcone for Biological Application**

(2022) *Asian Journal of Chemistry*, 34 (5), pp. 1139-1144.

16) Su, Q., Xu, B., Tian, Z., Gong, Z.

**1,3,5-triazines inhibit osteosarcoma and avert lung metastasis in a patient-derived orthotopic model with favorable pharmacokinetics**

(2022) *Iranian Journal of Basic Medical Sciences*, 25 (3), pp. 295-301.

17) Kamsani, S., Vodnala, S., Bhavani, A.K.D., Rayala, N.

**Design and Synthesis of Novel Bis-Morpholinotriazine Analogs and their Antibacterial Studies**

(2022) *Asian Journal of Chemistry*, 34 (3), pp. 720-726.

18) Mahyavanshi, J., Shrivastava, V., Patel, S., Pandya, J.

**Design and synthesis of novel s-triazine based coumarin, quinoline, morpholine and imidazole derivatives and their antitubercular and antimicrobial evaluation**

(2022) *Indian Journal of Chemistry (IJC)*, 61 (3), pp. 285-292.

19) Souhangir, M., Bidoki, S.M., Gharanjig, K.

**Synthesis of a Novel Fluorescent Reactive Dye Based on Coumarin-Benzimidazole for Cotton**

(2022) *Progress in Color, Colorants and Coatings*, 15 (4), pp. 327-340.

20) Kumari, S., Singh, A.

**Various Techniques for One-Pot Synthesis of 1,3,5-Triazine (s-Triazine) Derivatives: A Review**

(2022) *Mini-Reviews in Organic Chemistry*, 19 (1), pp. 52-65.

- 21) Almarhoon, Z.M., Al-Zaben, M.I., Ben Bacha, A., Haukka, M., El-Faham, A., Soliman, S.M.  
**Synthesis, x-ray structure, conformational analysis, and dft studies of a giant s-triazir**  
(2021) *Crystals*, 11 (11), art. no. 1418, .
- 22) Patel, J.J., Modh, R.P., Asamdi, M., Chikhalia, K.H.  
**Comparative biological study between quinazolinyl–triazinyl semicarbazide and thios derivatives**  
(2021) *Molecular Diversity*, 25 (4), pp. 2271-2287.
- 23) Jasim, H.A., Nahar, L., Jasim, M.A., Moore, S.A., Ritchie, K.J., Sarker, S.D.  
**Chalcones: Synthetic chemistry follows where nature leads**  
(2021) *Biomolecules*, 11 (8), art. no. 1203, .
- 24) Maliszewski, D., Wróbel, A., Kolesińska, B., Fraczyk, J., Drozdowska, D.  
**1,3,5-triazine nitrogen mustards with different peptide group as innovative candidates inhibitors**  
(2021) *Molecules*, 26 (13), art. no. 3942, .
- 25) Durairaju, P., Umarani, C., Rajabather, J.R., Alanazi, A.M., Periyasami, G., Wilson, L.D.  
**Synthesis and characterization of pyridine-grafted copolymers of acrylic acid–styrene and fluorescence applications**  
(2021) *Micromachines*, 12 (6), art. no. 672, .
- 26) Guan, B., Jiang, C.  
**Design and development of 1,3,5-triazine derivatives as protective agent against spin inhibition of NF-κB**  
(2021) *Bioorganic and Medicinal Chemistry Letters*, 41, art. no. 127964, .
- 27) Singh, S., Mandal, M.K., Masih, A., Saha, A., Ghosh, S.K., Bhat, H.R., Singh, U.P.  
**1,3,5-Triazine: A versatile pharmacophore with diverse biological activities**  
(2021) *Archiv der Pharmazie*, 354 (6), art. no. 2000363, .

Karim, D.K., Salman, G.A., Al-Mansury, S., Jinzeel, N.A.

**Synthesis and antimicrobial evaluation of arylated 1,3,5-triphenyl pyrazoline derivatives and their reactions**

(2021) *Egyptian Journal of Chemistry*, 64 (5), pp. 2469-2481.

- 29) Kotlyar, V.M., Kolomoitsev, O.O., Tarasenko, D.O., Bondarenko, Y.H., Butenko, S.V., Buravov, A.D.

**Prospective biologically active compounds based on 5-formylthiazole**

(2021) *Functional Materials*, 28 (2), pp. 301-307.

- 30) Jadhav, S.Y., Peerzade, N.A., Hublikar, M.G., Varpe, B.D., Kulkarni, A.A., Bhosale, R.B.

**Synthesis and Pharmacological Screening of Difluorophenyl Pyrazole Chalcone Conjugates as Anti-Inflammatory, and Antioxidant Agents**

(2020) *Russian Journal of Bioorganic Chemistry*, 46 (6), pp. 1128-1135.

- 31) Al Rasheed, H.H., Malebari, A.M., Dahlous, K.A., Fayne, D., El-Faham, A.

**Synthesis, Anti-proliferative activity, and molecular docking study of new series of 1,3,5-triphenyl pyrazoline derivatives**

(2020) *Molecules*, 25 (18), art. no. 4065, .

- 32) Hassan, M.M., Alzandi, A.R.A., Hassan, M.M.

**Synthesis, structure elucidation and plants growth promoting effects of novel quinoline derivatives**

(2020) *Arabian Journal of Chemistry*, 13 (7), pp. 6184-6190.

- 33) Xiao, T., Cheng, W., Qian, W., Zhang, T., Lu, T., Gao, Y., Tang, X.

**Synthesis of Chalcone Derivatives and Studies on Their Inhibitory Activity and Molecular Docking [合成及其抑菌活性和分子对接研究]**

(2020) *Chinese Journal of Organic Chemistry*, 40 (6), pp. 1704-1715.

- 34) Selvaraj, R., Suresh, J., Arun, A.

**Cyanuric chloride containing chalcones for possible breast cancer treatment: Synthesis and Screening**

(2020) *Asian Journal of Chemistry*, 32 (2), pp. 408-414.

35) Alphonse, L., Tharmaraj, P., Josephine, B.A., Teresita, V.M.

**Novel triazine centred manganese based complex: A photophysical and biological study**  
(2020) *Asian Journal of Chemistry*, 32 (1), pp. 91-94.

36) El-Faham, A., Farooq, M., Almarhoon, Z., Alhameed, R.A., Wadaan, M.A.M., de la Torre, B.C.

**Di- and tri-substituted s-triazine derivatives: Synthesis, characterization, anticancer activity against cancer cell lines, and developmental toxicity in zebrafish embryos**  
(2020) *Bioorganic Chemistry*, 94, art. no. 103397, .

37) Liu, H., Long, S., Rakesh, K.P., Zha, G.-F.

**Structure-activity relationships (SAR) of triazine derivatives: Promising antimicrobial activity**  
(2020) *European Journal of Medicinal Chemistry*, 185, art. no. 111804, .

38) Haiba, N.S., Khalil, H.H., Moniem, M.A., El-Wakil, M.H., Bekhit, A.A., Khattab, S.N.

**Design, synthesis and molecular modeling studies of new series of s-triazine derivatives against multi-drug resistant clinical isolates**  
(2019) *Bioorganic Chemistry*, 89, art. no. 103013, .

39) Lucescu, L., Ghinet, A., Shova, S., Magnez, R., Thuru, X., Farce, A., Rigo, B., Belei, D., Dut

**Exploring isoxazoles and pyrrolidinones decorated with the 4,6-dimethoxy-1,3,5-triazine derivatives as farnesyltransferase inhibitors**  
(2019) *Archiv der Pharmazie*, 352 (5), art. no. 1800227, .

40) Halay, E., Acikbas, Y., Capan, R., Bozkurt, S., Erdogan, M., Unal, R.

**A novel triazine-bearing calix[4]arene: Design, synthesis and gas sensing affinity for formaldehyde**  
(2019) *Tetrahedron*, 75 (17), pp. 2521-2528.

41) Rani, A., Anand, A., Kumar, K., Kumar, V.

**Recent developments in biological aspects of chalcones: the odyssey continues**  
(2019) *Expert Opinion on Drug Discovery*, 14 (3), pp. 249-288.

42) Zhang, C., Gong, R., Yang, J., Sun, X., Li, Y., Wang, H., Song, F., Sun, Y.

**Synthesis of Novel Polyheterocyclic Molecules with 1,3,4-Oxadiazole Thioetheramide**

**Inhibitory Activity on Cdc25B and PTP1B [1,3,4-二唑硫醚酰胺为核心骨架的新型多杂环分子的抑制活性]**

(2019) *Gaodeng Xuexiao Huaxue Xuebao/Chemical Journal of Chinese Universities*, 40 (2), pp.

- 43) Venkatesh, T., Bodke, Y.D., Joy, M.N., Dhananjaya, B.L., Venkataraman, S.

**Synthesis of some benzofuran derivatives containing pyrimidine moiety as potent anti**

(2018) *Iranian Journal of Pharmaceutical Research*, 17 (1), pp. 75-86.

- 44) Sharma, A., El-Faham, A., de la Torre, B.G., Albericio, F.

**Exploring the orthogonal chemoselectivity of 2,4,6-trichloro-1,3,5-triazine (TCT) as a different nucleophiles: Rules of the game**

(2018) *Frontiers in Chemistry*, 6 (NOV), art. no. 516, .

- 45) Reddy, N.S., Roopan, S.M.

**Total synthesis of natural products existence in fruits and vegetables**

(2018) *Bioorganic Phase in Natural Food: An Overview*, pp. 103-133.

- 46) Ibraheem, F., Saddique, F.A., Aslam, S., Mansha, A., Farooq, T., Ahmad, M.

**Recent synthetic methodologies for pyrimidine and its derivatives**

(2018) *Turkish Journal of Chemistry*, 42 (6), pp. 1421-1458.

- 47) Prakash, G., Boopathy, M., Selvam, R., Johnsanthosh Kumar, S., Subramanian, K.

**The effect of anthracene-based chalcone derivatives in the resazurin dye reduction as investigation of Gram-positive and Gram-negative bacterial and fungal infection**

(2018) *New Journal of Chemistry*, 42 (2), pp. 1037-1045.

- 48) Hassan, M.M., Farouk, O.

**Synthesis and Antimicrobial Evaluation of some Functionalized Heterocycles Derived Chalcone**

(2017) *Journal of Heterocyclic Chemistry*, 54 (6), pp. 3133-3142.

- 49) Shekouhy, M., Moaddeli, A., Khalafi-Nezhad, A.

**A novel one-pot three component approach to 6-substituted 2,4-diamino-1,3,5-triazine**

**copper/zinc-modified MCM-41 (Cu/Zn-MCM-41) as a new heterogeneous mesoporous catalyst**  
(2017) *Journal of Industrial and Engineering Chemistry*, 50, pp. 41-49.

- 50) Parašotas, I., Urbonavičiute, E., Anusevičius, K., Tumosiene, I., Jonuškiene, I., Kantminiene, V., Mickevičius, V.

**Synthesis and biological evaluation of novel DI- and trisubstituted thiazole derivatives**  
(2017) *Heterocycles*, 94 (6), pp. 1074-1097.

- 51) Desai, V., Desai, S., Gaonkar, S.N., Palyekar, U., Joshi, S.D., Dixit, S.K.

**Novel quinoxaliny chalcone hybrid scaffolds as enoyl ACP reductase inhibitors: Synthesis and biological evaluation**  
(2017) *Bioorganic and Medicinal Chemistry Letters*, 27 (10), pp. 2174-2180.

- 52) Desai, N.C., Makwana, A.H., Senta, R.D.

**Synthesis, characterization and antimicrobial activity of some novel 4-(4-(arylamino)-2-ylamino)-N-(pyrimidin-2-yl)benzenesulfonamides**  
(2016) *Journal of Saudi Chemical Society*, 20 (6), pp. 686-694.

- 53) Solankee, A., Tailor, R., Kapadia, K.

**In vitro antimycobacterial and antimicrobial activity of some new pyrazoline, isoxazole derivatives containing 1,3,5-triazine nucleus via chalcone series**  
(2016) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 55B (10), pp. 1725-1727.

- 54) Sum, T.J., Sum, T.H., Galloway, W.R.J.D., Spring, D.R.

**Divergent Total Syntheses of Flavonoid Natural Products Isolated from *Rosa rugosa* and *Rosa damascena***  
(2016) *Synlett*, 27 (11), art. no. st-2016-d0044-l, pp. 1725-1727.

- 55) Karad, S.C., Purohit, V.B., Thakor, P., Thakkar, V.R., Raval, D.K.

**Novel morpholinoquinoline nucleus clubbed with pyrazoline scaffolds: Synthesis, and antimalarial activities**  
(2016) *European Journal of Medicinal Chemistry*, 112, pp. 270-279.

- 56) Balaha, M.F., El-Hamamsy, M.H., Sharaf El-Din, N.A., El-Mahdy, N.A.



**Synthesis, evaluation and docking study of 1, 3, 5-triazine derivatives as cytotoxic agents**  
(2016) *Journal of Applied Pharmaceutical Science*, 6 (4), pp. 28-45.

57) Suresh, J., Vakees, E., Uma, P., Selvaraj, R., Karthikeyan, A., Arun, A.

**UV Cross-Linkable Polymer Based on Triazine: Synthesis, Characterization and Cross**  
(2016) *Macromolecular Symposia*, 362 (1), pp. 11-17.

58) Lucescu, L., Bîcu, E., Belei, D., Shova, S., Rigo, B., Gautret, P., Dubois, J., Ghinet, A.

**Synthesis and biological evaluation of a new class of triazin-triazoles as potential inh**  
**farnesyltransferase**  
(2016) *Research on Chemical Intermediates*, 42 (3), pp. 1999-2021.

59) Koc, Z.E., Uysal, A.

**Investigation of novel monopodal and dipodal oxy-Schiff base triazine from cyanuric**  
**antimicrobial studies**  
(2016) *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, 53 (2), pp.

60) Himangini, Pathak, D.P.

**Synthesis, characterization and in vitro antibacterial activity of new chalcones linked**  
(2016) *Der Pharma Chemica*, 8 (15), pp. 112-115.

61) El Malah, T., Nour, H.F., Nayl, A.A., Elkhatab, R.A., Abdel-Megeid, F.M.E., Ali, M.M.

**Anticancer Evaluation of Tris(triazolyl)triazine Derivatives Generated via Click Chemis**  
(2016) *Australian Journal of Chemistry*, 69 (8), pp. 905-910.

62) Kibou, Z., Cheikh, N., Villemin, D., Choukchou-Braham, N.

**A rapid synthesis of highly functionalized 2-pyridones and 2-aminopyridines via a mic**  
**multicomponent reaction**  
(2016) *Journal of Materials and Environmental Science*, 7 (8), pp. 3061-3067.

63) Joshi, S.D., Dixit, S.R., Kirankumar, M.N., Aminabhavi, T.M., Raju, K.V.S.N., Narayan, R., Lf

**Synthesis, antimycobacterial screening and ligand-based molecular docking studies**  
**bearing pyrazoline, isoxazole and phenyl thiourea moieties**  
(2016) *European Journal of Medicinal Chemistry*, 107, pp. 133-152.

64) Abd El-Karim, S.S., Anwar, M.M., Mohamed, N.A., Nasr, T., Elseginy, S.A.

**Design, synthesis, biological evaluation and molecular docking studies of novel benz as anticancer agents**

(2015) *Bioorganic Chemistry*, 63, pp. 1-12.

65) Choudhary, A.N., Kumar, A., Juyal, V.

**Synthesis, structure activity relationship (SAR), and biological activities of benzylider**

(2015) *Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry*, 14 (3), pp. 172-18

66) Singla, P., Luxami, V., Paul, K.

**Triazine as a promising scaffold for its versatile biological behavior**

(2015) *European Journal of Medicinal Chemistry*, 102, pp. 39-57.

67) Singla, P., Luxami, V., Paul, K.

**Triazine-benzimidazole hybrids: Anticancer activity, DNA interaction and dihydrofolate**

(2015) *Bioorganic and Medicinal Chemistry*, 23 (8), pp. 1691-1700.

68) Ghasemian, M., Kakanejadifard, A., Azarbani, F., Zabardasti, A., Shirali, S., Saki, Z., Kakane

**The triazine-based azo-azomethine dyes; synthesis, characterization, spectroscopy, s biological properties of 2,2'-(((6-methoxy-1,3,5-triazine-2,4-diyl)bis(sulfanediyl)bis(2,1-phenylene))bis(azanylylidene)bis(methanylylidene))bis(4-(phenyldiazenyl)phenol)**

(2015) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 138, pp. 64

69) Mahyavanshi, J.B., Shukla, M.B., Parmar, K.A., Jadhav, J.P.

**Synthesis, structural elucidation and anti-microbial screening of quinoline based s-tri derivatives**

(2015) *Der Pharma Chemica*, 7 (11), pp. 156-161.

70) Kothayer, H., Morelli, M., Brahemi, G., Elshanawani, A.A., Abu Kull, M.E., El-Sabbagh, O.I.,

**Optimised synthesis of diamino-triazinylmethyl benzoates as inhibitors of Rad6B ubi**

(2014) *Tetrahedron Letters*, 55 (51), pp. 7015-7018.

71) Solankee, A., Patel, R.

**Synthesis of some novel chalcones, pyrazolines, aminopyrimidines and their antimicrobial activity**  
(2014) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 53B (11), pp. 411-417.

72) Rani, M., Mohamad, Y.

**Synthesis, studies and in vitro antibacterial activity of some 5-(thiophene-2-yl)-phenylhydrazones**  
(2014) *Journal of Saudi Chemical Society*, 18 (5), pp. 411-417.

73) Singh, P., Anand, A., Kumar, V.

**Recent developments in biological activities of chalcones: A mini review**  
(2014) *European Journal of Medicinal Chemistry*, 85, pp. 758-777.

74) Ghasemian, M., Kakanejadifard, A., Azarbani, F., Zabardasti, A., Kakanejadifard, S.

**The triazine-based azo-azomethine dyes; Spectroscopy, solvatochromism and biological activity**  
(2014) *Journal of Molecular Liquids*, 195, pp. 35-39.

75) Patel, R.V., Keum, Y.-S., Park, S.W.

**Medicinal chemistry discoveries among 1,3,5-Triazines: Recent advances (2000-2013)**  
(2014) *Mini-Reviews in Medicinal Chemistry*, 14 (9), pp. 767-789.

76) Klimova, E.I., García, M.M., Flores-Alamo, M., Churakov, A.V., Cortéz Maya, S., Beletskaya, A.

**Synthesis and characterization of sodium polymeric complexes containing carbanion dicyanomethyl-(ferrocenyl)pyridine and 2-ferroceny(tetracyano)propene ligands**  
(2014) *Polyhedron*, 68, pp. 272-278.

77) Xue, F., Li, C.-G., Zhu, Y., Lou, T.-J., He, G.-J.

**A practical and scalable process for the preparation of 4-aminophenylboronic acid pinacol boronate esters**  
(2014) *Heterocycles*, 89 (12), pp. 2739-2744.

78)

Kitawat, B.S., Singh, M.

**Synthesis, characterization, antibacterial, antioxidant, DNA binding and SAR study of a n bearing 2-pyrazoline derivatives**

(2014) *New Journal of Chemistry*, 38 (9), pp. 4290-4299.

79) Kachroo, M., Panda, R., Yadav, Y.

**Synthesis and biological activities of some new pyrimidine derivatives from chalcone**

(2014) *Der Pharma Chemica*, 6 (2), pp. 352-359.

80) Shah, D.R., Modh, R.P., Chikhalia, K.H.

**Privileged s-triazines: Structure and pharmacological applications**

(2014) *Future Medicinal Chemistry*, 6 (4), pp. 463-477.

81) Yin, B.-T., Yan, C.-Y., Peng, X.-M., Zhang, S.-L., Rasheed, S., Geng, R.-X., Zhou, C.-H.

**Synthesis and biological evaluation of  $\alpha$ -triazolyl chalcones as a new type of potentia their interaction with calf thymus DNA and human serum albumin**

(2014) *European Journal of Medicinal Chemistry*, 71, pp. 148-159.

82) Kothayer, H., Elshanawani, A.A., Abu Kull, M.E., El-Sabbagh, O.I., Shekhar, M.P.V., Brancal

**Design, synthesis and in vitro anticancer evaluation of 4,6-diamino-1,3,5-triazine-2-ca carboxamides**

(2013) *Bioorganic and Medicinal Chemistry Letters*, 23 (24), pp. 6886-6889.

83) Jevrić, L.R., Podunavac-Kuzmanović, S.O., Švarc-Gajić, J.V., Tepić, A.N., Kovačević, S.Z., I

**QSRR modeling of retention behavior of some s-Triazine derivatives**

(2013) *Acta Chimica Slovenica*, 60 (4), pp. 732-742.

84) Lakum, H.P., Desai, D.V., Chikhalia, K.H.

**Synthesis, characterization, and antimicrobial screening of s-triazines linked with pip**

(2013) *Heterocyclic Communications*, 19 (5), pp. 351-355.

85) Busch, M., Cayir, M., Nieger, M., Thiel, W.R., Bräse, S.

**Roadmap towards N-heterocyclic [2.2]paracyclophanes and their application in asymmet**  
(2013) *European Journal of Organic Chemistry*, (27), pp. 6108-6123.

86) Parikh, K., Joshi, D.

**Antibacterial and antifungal screening of newly synthesized benzimidazole-clubbed c**  
(2013) *Medicinal Chemistry Research*, 22 (8), pp. 3688-3697.

87) Ahir, K., Ram, H., Dodiya, D., Shah, V.

**Resourceful synthesis of narrative cyano pyridines**  
(2013) *Journal of Chemical and Pharmaceutical Research*, 5 (6), pp. 113-116.

88) Dao, P., Garbay, C., Chen, H.

**Regioselective synthesis of imidazo[1,2-a][1,3,5]triazines and 3,4-dihydroimidazo[1,2-[1,3,5]triazin-2,4-diamines**  
(2013) *Tetrahedron*, 69 (19), pp. 3867-3871.

89) Koç, Z.E., Aladag, M.O., Uysal, A.

**Synthesis of novel dopamine derived multidirectional ligands from cyanuric chloride: studies**  
(2013) *EXCLI Journal*, 12, pp. 396-403.

90) Solankee, A., Patel, K., Patel, R.

**Antimicrobial evaluation of some novel isoxazoles, cyanopyridines and pyrimidinthio**  
(2013) *Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry*, 52 (5), pp

91) Lucescu, L., Gautret, P., Oudir, S., Rigo, B., Belei, D., Bîcu, E., Ghinet, A.

**Studies on pyrrolidinones: Chemistry of dimethoxytriazines**  
(2013) *Synthesis (Germany)*, 45 (10), art. no. SS-2013-Z0079-OP, pp. 1333-1340.

92) Patel, D., Kumari, P., Patel, N.B.

**In vitro antimicrobial and antimycobacterial activity of some chalcones and their deri**  
(2013) *Medicinal Chemistry Research*, 22 (2), pp. 726-744.

93) Padarthy, P.K., Sridhar, S., Jagatheesh, K., Namasivayam, E.

**Synthesis and biological activity of imidazole derived chalcones and it's pyrimidines**  
(2013) *International Journal of Research in Ayurveda and Pharmacy*, 4 (3), pp. 355-362.

94) Patel, A.B., Patel, R.V., Kumari, P., Rajani, D.P., Chikhalia, K.H.

**Synthesis of potential antitubercular and antimicrobial s-triazine-based scaffolds via reaction**  
(2013) *Medicinal Chemistry Research*, 22 (1), pp. 367-381.

95) Maheta, H.K., Patel, A.S., Naliapara, Y.T.

**Synthesis and microbial study of some novel cyanopyrans and cyanopyridines containing**  
(2012) *International Journal of Chemical Sciences*, 10 (4), pp. 1815-1829.

96) Wang, H.-Y., Lu, G., Zhang, J.-P., Zheng, D.-Q.

**Application of N, N, N-tris(triethoxysilylpropyl) melamine in paper culture heritage conservation**  
(2012) *Chung-kuo Tsao Chih/China Pulp and Paper*, 31 (11), pp. 39-43.

97) Solankee, N., Patel, K.P., Patel, R.B.

**Synthesis of some novel isoxazole, cyanopyridine and pyrimidinethione derivatives**  
(2012) *Journal of Chemical and Pharmaceutical Research*, 4 (8), pp. 3778-3782.

98) Solankee, A., Patel, K., Patel, R.

**A facile synthesis and studies of some new Chalcones and their derivatives based on**  
(2012) *E-Journal of Chemistry*, 9 (4), pp. 1897-1905.

99) Patel, P.K., Patel, R.V., Mahajan, D.H., Parikh, P.A., Mehta, G.N., Chikhalia, K.H.

**Design, synthesis, characterization, and in vitro antimicrobial action of novel trisubstituted**  
(2012) *Medicinal Chemistry Research*, 21 (10), pp. 3182-3194.

100) Rani, M., Yusuf, M., Khan, S.A.

**Synthesis and in-vitro-antibacterial activity of [5-(furan-2-yl)-phenyl]-4,5-carbothioan**  
(2012) *Journal of Saudi Chemical Society*, 16 (4), pp. 431-436.

101) Mondal, R., Mandal, T.K., Mallik, A.K.

**Simple synthesis of a new family of 22- to 28-membered macrocycles containing two**  
(2012) *Arkivoc*, 2012 (9), pp. 95-110.

102) Machakanur, S.S., Patil, B.R., Pathan, A.H., Naik, G.N., Ligade, S.G., Gudasi, K.B.

**Synthesis, antimicrobial and antimycobacterial evaluation of star shaped hydrazone**  
(2012) *Der Pharma Chemica*, 4 (2), pp. 600-607.

103) Gavade, S.N., Markad, V.L., Kodam, K.M., Shingare, M.S., Mane, D.V.

**Synthesis and biological evaluation of novel 2,4,6-triazine derivatives as antimicrobials**  
(2012) *Bioorganic and Medicinal Chemistry Letters*, 22 (15), pp. 5075-5077.

104) Ramesh, M., Raju, B., George, M., Srinivas, K., Jayathirtha Rao, V., Bhanuprakash, K., Sri

**The ESI CAD fragmentations of protonated 2,4,6-tris(benzylamino)- and tris(benzyl)-**  
**benzyl-benzyl interactions: A DFT study**  
(2012) *Journal of Mass Spectrometry*, 47 (7), pp. 860-868.

105) Wen, Q.-M., Yin, B.-T., Yan, C.-Y., Zhou, C.-H.

**(Z)-1-[4-Fluoro-2-(pyrrolidin-1-yl)phenyl]-3-phenyl-2-(1H-1,2,4-triazol-1-yl)prop-2-en-1**  
(2012) *Acta Crystallographica Section E: Structure Reports Online*, 68 (6), pp. o1642.

106) Dao, P., Garbay, C., Chen, H.

**High yielding microwave-assisted synthesis of tri-substituted 1,3,5-triazines using P**  
**heteroarylamination**  
(2012) *Tetrahedron*, 68 (20), pp. 3856-3860.

107) Osman, S.A., Yosef, H.A.A., Hafez, T.S., El-Sawy, A.A., Mousa, H.A., Hassan, A.S.

**Synthesis and antibacterial activity of some novel chalcones, pyrazoline and 3-cyan**  
**khellinone as well as Ni(II), Co(II) and Zn(II) complexes**  
(2012) *Australian Journal of Basic and Applied Sciences*, 6 (3), pp. 852-863.

108) Wani, M.Y., Bhat, A.R., Azam, A., Choi, I., Athar, F.

**Probing the antiamoebic and cytotoxicity potency of novel tetrazole and triazine der**  
(2012) *European Journal of Medicinal Chemistry*, 48, pp. 313-320.

109) Solankee, A.N., Patel, K.P.

**Synthesis, characterisation and antimicrobial activity of some novel chalcones, amii  
phenylpyrazolines**  
(2012) *International Journal of Pharma and Bio Sciences*, 3 (1), pp. P338-P344.

110) Sridhar, S., Prasad, Y.R., Dinda, S.C.

**Synthesis and biological evaluation of some new 2,4,6-trisubstituted pyrimidines**  
(2012) *Asian Journal of Chemistry*, 24 (3), pp. 1130-1134.

111) Solankee, A.N., Patel, K.P., Patel, R.B.

**An efficient synthesis of some novel isoxazoles, cyanopyridines and pyrimidinethione**  
(2011) *Der Pharmacia Lettre*, 3 (6), pp. 108-115.

112) Solankee, A., Patel, R., Patel, K.

**Synthesis and evaluation of some novel S-triazine based chalcones and their derivat**  
(2011) *Der Pharma Chemica*, 3 (6), pp. 317-324.

113) Zhao, H., Liu, Y., Cui, Z., Beattie, D., Gu, Y., Wang, Q.

**Design, synthesis, and biological activities of arylmethanamine substituted chlorotric  
compounds**  
(2011) *Journal of Agricultural and Food Chemistry*, 59 (21), pp. 11711-11717.

114) Ali, M.A., Ismail, R., Choon, T.S., Loh, W.-S., Fun, H.-K.

**2-[(E)-4-(Dimethylamino)-benzylidene]indan-1-one**  
(2011) *Acta Crystallographica Section E: Structure Reports Online*, 67 (8), pp. o1983-o198

115) Sridhar, S., Dinda, S.C., Prasad, Y.R.

**Synthesis and biological evaluation of some new chalcones containing 2,5-dimethyl**  
(2011) *E-Journal of Chemistry*, 8 (2), pp. 541-546.



116) Aly, A.A., Behalo, M.S.

**Efficient synthesis of thieno[2,3-d]pyrimidines and related fused systems**  
(2010) *Journal of Chemical Research*, (10), pp. 571-575.

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