

Костадин Ганчев Ганев,
номинаран за академик в областта “Науки за земята”,
в конкурса за нови академици (действителни членове) на БАН – 2024 г. обявен на
сайта на БАН и във в. „24 часа“ на 07.05.2024 г.

Списък на публикациите – в конкурса участвам с всички публикации

Обобщени данни:

Научни публикации в международни списания и поредици, включително такива с импакт-фактор: 19

Импакт-фактор: 7.428

SJR: 2.521

Доклади в сборници на международни конференции (в пълен текст): 7

Други научни публикации: 2

II. Научни публикации в международни списания и поредици, включително такива с импакт-фактор:

- II.1 Ivanov V., Gadzhev G., Ganev K., Chervenkov H. *Sensitivity of the simulated Heat Risk in Southeastern Europe to the RegCM Model Configuration - preliminary results*. In: I. Lirkov and S. Margenov (Eds.): LSSC 2019, LNCS 11958, pp. 340–347, 2020. https://doi.org/10.1007/978-3-030-41032-2_39 (SJR: 0.339)
- II.2 Georgieva I., Gadzhev G., Ganev K., Miloshev N. *Process Analysis of Atmospheric Composition Fields in Urban Area (Sofia City)*. In: I. Lirkov and S. Margenov (Eds.): LSSC 2019, LNCS 11958, pp. 228–236, 2020. https://doi.org/10.1007/978-3-030-41032-2_26 (SJR: 0.339)
- II.3 Gadzhev G., Ganev K., Mukhtarov P. *Statistical Moments Of The Vertical Distribution Of Air Pollution Over Bulgaria*. I. Lirkov and S. Margenov (Eds.): LSSC 2019, LNCS 11958, pp. 213–219, 2020. https://doi.org/10.1007/978-3-030-41032-2_24 (SJR: 0.339)
- II.4 Gadzhev G., Ganev K., Mukhtarov P. *HPC Simulations of the Atmospheric Composition Bulgaria's Climate (on the example of coarse particulate matter pollution)*, HPC 2019, SCI 902, pp. 221-233, (2021) https://doi.org/10.1007/978-3-030-55347-0_19 (SJR: 0.215)
- II.5 Gadzhev G., Ivanov V., Valcheva R., Ganev K., Chervenkov H., *HPC Simulations of the Present and Projected Future Climate of the Balkan Region*, HPC 2019, SCI 902, pp. 234-248, (2021) https://doi.org/10.1007/978-3-030-55347-0_20 (SJR: 0.215)
- II.6 Ivanov V., Chervenkov H., Gadzhev G., Ganev K. *DEGREE-DAYS AND AGRO-METEOROLOGICAL INDICES IN PROJECTED FUTURE CLIMATE OVER SOUTHEAST EUROPE*, SGEM 2020, Vol 20, N 4.1, ISBN:978-619-7603-09-5, ISSN:1314-2704, pp. 373-380 DOI:10.5593/sgem2020/4.1/s20.047 (SJR: 0.232)

- II.7 Hristo Chervenkov, Georgi Gadzhev, Vladimir Ivanov and Kostadin Ganev, *Trend Analysis of CMIP5 Ensemble of Climate Indices over Southeast Europe with Focus on Agricultural Impacts*, CYBERNETICS AND INFORMATION TECHNOLOGIES, Volume 20, No 6, (2020), ISSN:1311-9702, pp. 155-165, DOI:10.2478/cait-2020-0069 (SJR 0.27)
- II.8 Hristo Chervenkov, Georgi Gadzhev, Vladimir Ivanov, Kostadin Ganev and Dimitrios Melas, *Degree-day Climatology over Central and Southeast Europe for the Period 1961–2018 - Evaluation in High Resolution*, CYBERNETICS AND INFORMATION TECHNOLOGIES, Volume 20, No 6, (2020), ISSN:1311-9702, pp. 166-174, DOI:10.2478/cait-2020-0070 (SJR 0.27).
- II.9 Ivelina Georgieva, Georgi Gadzhev and Kostadin Ganev, *Study the Recurrence of the Dominant Pollutants in the Formation of AQI Status over the City of Sofia for the Period 2013–2020*. In: Lirkov I., Margenov S. (eds) *Large-Scale Scientific Computing. LSSC 2021. Lecture Notes in Computer Science*, (2022), vol 13127. Springer, Cham, pp. 109-116, https://doi.org/10.1007/978-3-030-97549-4_12 (IF: 0.302) Q4
- II.10 Hristo Chervenkov, Georgi Gadzhev, Vladimir Ivanov and Kostadin Ganev, *Degree-days and Agro-meteorological Indices in CMIP5 RCP8.5 Future Climate - Results for Central and Southeast Europe*, Dobrinkova and G. Gadzhev (eds.), *Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control* 361, (2021), pp. 19 – 30, https://doi.org/10.1007/978-3-030-70190-1_2 (SJR: 0.135)
- II.11 Hristo Chervenkov, Georgi Gadzhev, Vladimir Ivanov and Kostadin Ganev, *Assessment of the Joint Quantiles of Temperature and Precipitation in CMIP5 Future Climate Projections over Europe*, Dobrinkova and G. Gadzhev (eds.), *Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control* 361, (2021), pp. 31 – 42, https://doi.org/10.1007/978-3-030-70190-1_3 (SJR: 0.135)
- II.12 Gadzhev, G.; Ganev, K. *Computer Simulations of Air Quality and Bio-Climatic Indices for the City of Sofia*. *Atmosphere*, 2021, 12, 1078. <https://doi.org/10.3390/atmos12081078> (IF: 3.11) Q3
- II.13 Gadzhev, G.; Ganev, K.; Mukhtarov, P. *Influence of the Grid Resolutions on the Computer Simulated Surface Air Pollution Concentrations in Bulgaria*. *Atmosphere* 2022, 13, 774. <https://doi.org/10.3390/atmos13050774> (IF: 3.11) Q2
- II.14 Ganev, K.; Gadzhev, G. *Editorial for the Special Issue „Atmospheric Composition and Regional Climate Studies in Bulgaria“*. *Atmosphere*, 2022, 13, 1547. <https://doi.org/10.3390/atmos13101547> (IF: 3.11) Q2
- II.15 Ivanov, V., Gadzhev, G., Ganev, K., Georgieva, I., *Estimation of the Historical and Future Renewable Energy Potential with RegCM4 over the Region of Southeastern Europe*. In: Dobrinkova, N., Nikolov, O. (eds) *Environmental Protection and Disaster Risks. EnviroRISks 2022. Lecture Notes in Networks and Systems*, vol 638. Springer, Cham. (2023), pp. 160–169, https://doi.org/10.1007/978-3-031-26754-3_14 (SJR: 0.151)
- II.16 Georgieva, I., Gadzhev, G., Ganev, K., Ivanov, V., *Evaluation of the Effects of the National Emission Reduction Strategies for Years 2020–2029 and After 2030 on the Sulphur and Nitrogen Wet and Dry Depositions on the Territory of Bulgaria*. In:

- Dobrinkova, N., Nikolov, O. (eds) Environmental Protection and Disaster Risks. EnviroRISKs 2022. Lecture Notes in Networks and Systems, vol 638. Springer, Cham. (2023), pp. 249–259, https://doi.org/10.1007/978-3-031-26754-3_22 (SJR: 0.151)
- II.17 Gadzhev, G., Georgieva, I., Ganey, K., Ivanov, V., Miloshev, N., Influence of the Grid Resolutions on the Computer Simulated Transport and Transformation Atmospheric Composition Processes over the Territory of Bulgaria, Large-Scale Scientific Computations. LSSC 2023. Lecture Notes in Computer Science, vol 13952. Springer, Cham , pp. 316–324 https://doi.org/10.1007/978-3-031-56208-2_32 (IF: 0.302) Q4
- II.18 Georgieva, I., Gadzhev, G., Ganey, K., Ivanov, V., Miloshev, N., Evaluation of the Effects of the National Emission Reduction Strategies for Years 2020–2029 and After 2030 on the AQI on the Territory of Bulgaria, Large-Scale Scientific Computations. LSSC 2023. Lecture Notes in Computer Science, vol 13952. Springer, Cham , pp. 335–342 https://doi.org/10.1007/978-3-031-56208-2_34(IF: 0.302) Q4
- II.19 Ivanov, V., Gadzhev, G., Georgieva, I., Ganey, K., Miloshev., N., INFLUENCE OF THE GRID RESOLUTIONS ON THE COMPUTER SIMULATED AIR QUALITY INDICES OVER THE TERRITORY OF BULGARIA, Large-Scale Scientific Computations. LSSC 2023. Lecture Notes in Computer Science, vol 13952. Springer, Cham, pp. 404–411. https://doi.org/10.1007/978-3-031-56208-2_41 (IF: 0.302) Q4

III. Доклади в сборници на международни конференции (в пълен текст):

- III.1. G. Gadzhev and K. Ganey. *VERTICAL STRUCTURE OF AIR POLLUTANT FIELDS OVER BULGARIA*, 19th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (Harmo'19) 3-6 June 2019, Bruges, Belgium
- III.2. Georgieva, I., Gadzhev, G., Ganey, K., Miloshev, N. *ANALYSIS OF THE CONTRIBUTION OF DIFFERENT PROCESSES (CHEMICAL AND DYNAMICAL) WHICH FORM THE ATMOSPHERIC COMPOSITION IN SOFIA*, 19th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (Harmo'19) 3-6 June 2019, Bruges, Belgium
- III.3. Hristo Chervenkov, Vladimir Ivanov, Georgi Gadzhev and Kostadin Ganey, *Assessment of the FUTURE CLIMATE over Southeast Europe based on CMIP5 ensemble of climate indices – Part One: Results and discussion*, Proceeding of 1st International conference on ENVIRONmental protection and disaster RISKs, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 144 – 156, <https://doi.org/10.48365/envr-2020.1.13>
- III.4. Hristo Chervenkov, Vladimir Ivanov, Georgi Gadzhev and Kostadin Ganey, *Assessment of the FUTURE CLIMATE over Southeast Europe based on CMIP5 ensemble of climate indices – Part Two: Results and discussion.*, (2020), Proceeding of 1st International conference on ENVIRONmental protection and disaster RISKs, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 157 – 169, <https://doi.org/10.48365/envr-2020.1.14>
- III.5. Georgi Gadzhev, Vladimir Ivanov, Kostadin Ganey, *Modelling of dry and wet deposition processes for the Sulphur and Nitrogen compounds over Bulgaria*, The 20th conference on

"Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes" was held in Tartu, Estonia, in June 2021, https://www.harmo.org/Conferences/Proceedings/_Tartu/publishedSections/H20-160_georgi_gadzhev.pdf

- III.6. Gadzhev,G., Ganev,K., Georgieva, I. and Ivanov, V., *Evaluation of the Impact of the Projected Future Emissions from Energy on the Air Quality in Bulgaria*, Proceedings of 21st International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2022, Code 185541
- III.7. Georgieva, I., Gadzhev,G., Ganev,K. and Ivanov, V., *EVALUATION OF THE EFFECTS OF THE NATIONAL EMISSION REDUCTION STRATEGIES FOR YEARS 2020-2029 AND AFTER 2030 ON THE SULPHUR AND NITROGEN SURFACE CONCENTRATIONS ON THE TERRITORY OF BULGARIA*, Proceedings of 21st International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2022, Code 185541

IV. Други научни публикации (в български и други национални издания):

- IV.1. Ganev K, Gadzhev G, Georgieva I, Ivanov V, Miloshev N., Assessment of the national emission reduction strategies effects for Bulgaria (2020–2029 and after 2030) on surface FPRM and CPRM concentrations. *GeoStudies*, 73, (1): pp. 1–10 (2024), <https://doi.org/10.3897/geostudies.1.e109372>
- IV.2. Vladimir Ivanov, Reneta Dimitrova, Ivelina Georgieva, Georgi Gadzhev, Kostadin Ganev, Nikolay Miloshev, Modelling of the heat and the cold risks at Sofia and Varna – preliminary results, *GeoStudies*, 73, (1): pp. 43–58 (2024), <https://doi.org/10.3897/geostudies.73.e113477>

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