

Списък на публикациите и копия от тях

на гл. ас. д-р Владимир Петров Иванов

за участие в конкурс за академична длъжност „доцент“, обявена в Държавен вестник бр. 46 от 26.05.2023 г.

Група В - Показател 4

- B.4.1. Chervenkov, H., Gadzhev, G., **Ivanov, V.**, Ganev, K. (2021). Assessment of the Joint Quantiles of Temperature and Precipitation in CMIP5 Future Climate Projections over Europe, *Studies in Systems, Decision and Control*, 361, 31-42. https://link.springer.com/chapter/10.1007/978-3-030-70190-1_3 - **15 т.**
- B.4.2. Chervenkov, H., Gadzhev, G., **Ivanov, V.**, Ganev, K. (2021). Degree-Days and Agro-meteorological Indices in CMIP5 RCP8.5 Future Climate—Results for Central and Southeast Europe, *Studies in Systems, Decision and Control*, 361, 19-30. https://doi.org/10.1007/978-3-030-70190-1_2 - **15 т.**
- B.4.3. Gadzhev, G., **Ivanov, V.**, Valcheva, R., Ganev, K., Chervenkov, H. (2021). HPC Simulations of the Present and Projected Future Climate of the Balkan Region, *Studies in Computational Intelligence*, 902 SCI, 234-248. https://doi.org/10.1007/978-3-030-55347-0_20 - **12 т.**
- B.4.4. Chervenkov, H., Gadzhev, G., **Ivanov, V.**, Ganev, K. (2020). Trend analysis of CMIP5 ensemble of climate indices over southeast Europe with focus on agricultural impacts, *Cybernetics and Information Technologies*, 20 (6), 155-165. <https://doi.org/10.2478/cait-2020-0069> - **15 т.**
- B.4.5. Chervenkov, H., **Ivanov, V.**, Gadzhev, G., Ganev, K., Melas, D. (2020). Degree-day climatology over central and southeast Europe for the period 1961-2018 - Evaluation in high resolution, *Cybernetics and Information Technologies*, 20 (6), 166-174. <https://doi.org/10.2478/cait-2020-0070> - **12 т.**
- B.4.6. **Ivanov, V.**, Chervenkov, H., Gadzhev, G., Ganev, K. DEGREE-DAYS AND AGRO-METEOROLOGICAL INDICES IN PROJECTED FUTURE CLIMATE OVER SOUTHEAST EUROPE. (2020) *International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management (SGEM)*, 2020-August (4.1), 373-380. <https://doi.org/10.5593/sgem2020/4.1/s19.047> - **15 т.**

- B.4.7. **Ivanov, V.**, Gadzhev, G., Ganev, K., Chervenkov, H. (2020). Sensitivity of the Simulated Heat Risk in Southeastern Europe to the RegCM Model Configuration—Preliminary Results, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 11958 LNCS, 340-347. https://doi.org/10.1007/978-3-030-41032-2_39 - **15 т.**
- B.4.8. Gadzhev, G., Georgieva, I., Ganev, K., **Ivanov, V.**, Miloshev, N., Chervenkov, H., Syrakov, D. (2018). Climate applications in a virtual research environment platform, *Scalable Computing*, 19 (2), 107-118. <https://doi.org/10.12694/scpe.v19i2.1347> - **8.6 т.**
- B.4.9. Gadzhev, G., **Ivanov, V.**, Ganev, K., Chervenkov, H. (2018). TVRegCM numerical simulations - preliminary results, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10665 LNCS, 266-274. https://doi.org/10.1007/978-3-319-73441-5_28 - **15 т.**
- B.4.10. Chervenkov, H., **Ivanov, V.**, Gadzhev, G., Ganev, K. (2017). Sensitivity study of different RegCM4.4 Model set-ups - Recent results from the TVRegCM experiment, *Cybernetics and Information Technologies*, 17 (5), 17-26. <https://doi.org/10.1515/cait-2017-0051> - **15 т.**

София, 20.07.2023г.

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Група Г - Показател 7

- Г.7.1. Georgieva, I., Gadzhev, G., Ganev, K., **Ivanov, V.** (2023). 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, *Lecture Notes in Networks and Systems*, 638 LNNS, 249-259. https://doi.org/10.1007/978-3-031-26754-3_22 - **10 т.**
- Г.7.2. **Ivanov, V.**, Gadzhev, G., Ganev, K., Georgieva, I. (2023). Estimation of the Historical and Future Renewable Energy Potential with RegCM4 over the Region of Southeastern Europe, *Lecture Notes in Networks and Systems*, 638 LNNS, 160-169. https://doi.org/10.1007/978-3-031-26754-3_14 - **10 т.**
- Г.7.3. Georgieva, I., Gadzhev, G., Ganev, K., **Ivanov, V.** (2022). 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 the 21st International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, HARMO 2022 - **10 т.**
- Г.7.4. Gadzhev, G., Ganev, K., Georgieva, I., **Ivanov, V.** (2022). Evaluation of the Impact of the Projected Future Emissions from Energy on the Air Quality in Bulgaria. *Proceedings of the 21st International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, HARMO 2022. - **10 т.**
- Г.7.5. **Ivanov, V.**, Gadzhev, G. (2022). Behavior and Scalability of the Regional Climate Model RegCM4 on High Performance Computing Platforms, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 13127 LNCS, 124-131. https://doi.org/10.1007/978-3-030-97549-4_14 - **20 т.**
- Г.7.6. **Ivanov, V.**, Georgieva, I. (2021). Basic facts about numerical simulations of atmospheric composition in the city of Sofia, *Atmosphere*, 12 (11), art. no. 1450. <https://doi.org/10.3390/atmos12111450> - **20 т.**

- Г.7.7. Gadzhev, G., **Ivanov, V.** (2021). Modelling of the Seasonal Sulphur and Nitrogen Depositions over the Balkan Peninsula by CMAQ and EMEP-MSC-W, *Studies in Systems, Decision and Control*, 361, 171-183. https://doi.org/10.1007/978-3-030-70190-1_12 - **20 т.**
- Г.7.8. **Ivanov, V.**, Dimitrova, R. (2021). Study of the Extreme Thermal Conditions for the Sofia Region—Preliminary Results, *Studies in Systems, Decision and Control*, 361, 123-137. https://doi.org/10.1007/978-3-030-70190-1_9 - **20 т.**
- Г.7.9. **Ivanov, V.**, Chervenkov, (2021). H. Modelling Human Biometeorological Conditions Using Meteorological Data from Reanalysis and Objective Analysis—Preliminary Results, *Studies in Computational Intelligence*, 961 SCI, 170-181. https://doi.org/10.1007/978-3-030-71616-5_16 - **20 т.**
- Г.7.10. **Ivanov, V.P.**, Gadzhev, G.K., Ganev, K. (2020). Modelling of dry and wet deposition processes for the sulphur and nitrogen compounds over Bulgaria, *Proceedings of the 20th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, HARMO 2020. – **13.3 т.**
- Г.7.11. Chervenkov, H., Slavov, K., **Ivanov, V.** (2019). STARDEX and ETCCDI climate indices based on E-OBS and CARPATCLIM: Part one: General description, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 11189 LNCS, 360-367. https://doi.org/10.1007/978-3-030-10692-8_40 - **13.3 т.**
- Г.7.12. Georgieva, I., **Ivanov, V.** (2018). Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria, *International Journal of Environment and Pollution*, 64 (1-3), 35-46. <https://doi.org/10.1504/IJEP.2018.099145> - **20 т.**
- Г.7.13. **Ivanov, V.**, Georgieva, I. (2017). Air quality index evaluations for Sofia city, *Proceedings of the 17th IEEE International Conference on Smart Technologies, EUROCON 2017*, art. no. 8011246, 920-925. <https://doi.org/10.1109/EUROCON.2017.8011246> - **20 т.**
- Г.7.14. Georgieva, I., **Ivanov, V.** (2017). *Impact of the air pollution on the quality of life and health risks in Bulgaria, Proceedings of the 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*, HARMO 2017, 647-651 - **20 т.**

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