

## Списък на забелязаните цитати

**Общ брой на цитираните статии: 47**

**Общ брой на цитиращите статии: 53**

**Общ брой на цитатите: 186**

**H-фактор: 8 (Scopus: 6)**

**1.** Georgi Gadzhev and Vladimir Ivanov, MODELLING OF THE SULPHUR AND NITROGEN DEPOSITIONS OVER THE BALKAN PENINSULA BY CMAQ AND EMEP-MSC-W – PRELIMINARY RESULTS, (2020), Proceeding of 1st Internationa conference on ENVIROnmental protection and disaster RISKS, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 90 – 100, <https://doi.org/10.48365/envr-2020.1.8>

### Цитирана 1 път в:

**1.** Вълчева Л., Велева Б. и Христова Е., Изследвания върху процесите на пренос и депозиция на атмосферни замърсители в България - кратък обзор, под Редакция на Е. Георгиева и Е. Христова, Атмосферна депозиция в България, ISBN: 978-954-580-394-9, 2022, 1 - 31

**2.** Gadzhev G. and K. Ganev., 2019, 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

### Цитирана 2 пъти в:

**2.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**3.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**3.** Gadzhev G. and V. Ivanov, 2020, MODELLING OF THE SULPHUR AND NITROGEN DEPOSITIONS OVER THE BALKAN PENINSULA BY CMAQ AND EMEP-MSC-W – PRELIMINARY RESULTS, (2020), Proceeding of 1st Internationa conference on ENVIROnmental protection and disaster RISKS, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 90 – 100, <https://doi.org/10.48365/envr-2020.1.8>

### Цитирана 2 пъти в:

**4.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**5.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**4.** 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>

### Цитирана 1 път в:

**6.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>

**5.** Georgi Gadzhev, Vladimir Ivanov, Kostadin Ganev, 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](https://www.harmo.org/Conferences/Proceedings/_Tartu/publishedSections/H20-160_georgi_gadzhev.pdf)

**Цитирана 4 път в:**

**7.** Георгиева Е., Христова Е., Сираков Д. и Проданова М., Депозиции на серни и азотни съединения в България - сравнения на моделни резултати и наблюдения, под Редакция на Е. Георгиева и Е. Христова, Атмосферна депозиция в България, ISBN: 978-954-580-394-9, 2022, 95 -127

**8.** Сираков Д., Проданова М. и Славов К., Числено моделиране на отлаганията на атмосферните замърсители, под Редакция на Е. Георгиева и Е. Христова, Атмосферна депозиция в България, ISBN: 978-954-580-394-9, 2022, 65 - 93

**9.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**10.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**11.** Georgieva, E.; Hristova, E.; Syrakov, D.; Prodanova, M.; Gospodinov, I.; Veleva, B. Sulfur and Nitrogen Depositions in BULGARIA-Model Results and Observations. Atmosphere 2022, 13, 343. <https://doi.org/10.3390/atmos13020343>

**6.** Georgi Gadzhev and Vladimir Ivanov, Modelling of the Seasonal Sulphur and Nitrogen Depositions over the Balkan Peninsula by CMAQ and EMEP-MSC-W, N. Dobrinkova and G. Gadzhev (eds.), Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control 361, (2021), pp. 171 – 183, [https://doi.org/10.1007/978-3-030-70190-1\\_12](https://doi.org/10.1007/978-3-030-70190-1_12)

**Цитирана 5 път в:**

**12.** Георгиева Е., Христова Е., Сираков Д. и Проданова М., Депозиции на серни и азотни съединения в България - сравнения на моделни резултати и наблюдения, под Редакция на Е. Георгиева и Е. Христова, Атмосферна депозиция в България, ISBN: 978-954-580-394-9, 2022, 95 -127

**13.** Сираков Д., Проданова М. и Славов К., Числено моделиране на отлаганията на атмосферните замърсители, под Редакция на Е. Георгиева и Е. Христова, Атмосферна депозиция в България, ISBN: 978-954-580-394-9, 2022, 65 - 93

**14.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**15.** Georgieva, E.; Hristova, E.; Syrakov, D.; Prodanova, M.; Gospodinov, I.; Veleva, B. Sulfur and Nitrogen Depositions in BULGARIA-Model Results and Observations. Atmosphere 2022, 13, 343. <https://doi.org/10.3390/atmos13020343>

**16.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**7.** Hristo Chervenkov, Vladimir Ivanov, Georgi Gadzhev, Kostadin Ganev. Sensitivity study of Different RegCM4.4 model set-ups – recent results from the TVRegCM experiment. CYBERNETICS AND INFORMATION TECHNOLOGIES, Volume 17, No 5, 2017, pp. 17-26

**Цитирана 1 път в:**

**17.** Valcheva R. and Spiridonov V., Climate change projections of infrastructure-hazardous phenomena (heavy rainfall and wind) in Bulgaria, Bul. J. Meteo & Hydro 25/2

(2021),

[http://meteorology.meteo.bg/global-change/files/2021/BJMH\\_2021\\_V25\\_N2/BJMH\\_25\\_2\\_3.pdf](http://meteorology.meteo.bg/global-change/files/2021/BJMH_2021_V25_N2/BJMH_25_2_3.pdf)

8. Georgi Gadzhev, Vladimir Ivanov, Kostadin Ganev, and Hristo Chervenkov, TVRegCM Numerical Simulations - Preliminary Results, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Volume 10665 LNCS, 2018, pp. 266-274

**Цитирана 1 път в:**

18. Cheng, Q.; Li, F. Performance of RegCM4.5 in Simulating the Regional Climate of Western Tianshan Mountains in Xinjiang, China. *Atmosphere* 2021, 12, 1544. <https://doi.org/10.3390/atmos12121544>

19. Valcheva R. and Spiridonov V., Climate change projections of infrastructure-hazardous phenomena (heavy rainfall and wind) in Bulgaria, *Bul. J. Meteo & Hydro* 25/2 (2021), [http://meteorology.meteo.bg/global-change/files/2021/BJMH\\_2021\\_V25\\_N2/BJMH\\_25\\_2\\_3.pdf](http://meteorology.meteo.bg/global-change/files/2021/BJMH_2021_V25_N2/BJMH_25_2_3.pdf)

9. Gadzhev, G., Ganev, K., Jordanov, G., Miloshev, N., Todorova, A., Syrakov, D., Prodanova, M. (2010) Transport and transformation of air pollution from road and ship transport - Joint analysis of regional scale impacts and interactions. DLR Deutsches Zentrum fur Luft- und Raumfahrt e.V. - Forschungsberichte, (10), pp. 33-37

**Цитирана 1 път в:**

20. Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

10. Todorova, A.D., Ganev, K.G., Syrakov, D.E., Prodanova, M., Georgiev, G.J., Miloshev, N.G., Gadzhev, G.K. (2011) Bulgarian Emergency Response System for Release of Hazardous Pollutants-Design and First Tests. In: Steyn D., Trini Castelli S. (eds) Air Pollution Modeling and its Application XXI. NATO Science for Peace and Security Series C: Environmental Security. Springer, Dordrecht., pp. 263-268. DOI: 10.1007/978-94-007-1359-8\_44

**Цитирана 1 път в:**

21. Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

11. Ganev, K., Syrakov, D., Todorova, A., Gadzhev, G., Miloshev, N., Prodanova, M., Study of regional dilution and transformation processes of the air pollution from road transport, *International Journal of Environment and Pollution*, (2011), 44 (1-4), pp. 62-70. DOI: 10.1504/IJEP.2011.038403

**Цитирана 1 път в:**

22. Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

12. Todorova, A., Gadzhev, G., Jordanov, G., Syrakov, D., Ganev, K., Miloshev, N., Prodanova, M., Numerical study of some high PM10 level episodes, *International Journal of Environment and Pollution*, (2011), 46 (1-2), pp. 69-82 DOI: 10.1504/IJEP.2011.042609

**Цитирана 1 път в:**

23. Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

13. Brandiyska, A., Ganev, K., Syrakov, D., Prodanova, M., Miloshev, N., Gadzhev, G., Bulgarian emergency response system for release of hazardous pollutants - Brief description and some examples, *International Journal of Environment and Pollution*, (2012), 50 (1-4), pp. 3-11. DOI: 10.1504/IJEP.2012.051175

**Цитирана 1 път в:**

24. Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**14.** Gadzhev G., Ganев 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](https://doi.org/10.1007/978-3-030-41032-2_24)

**Цитирана 3 път в:**

**25.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**26.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**27.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**15.** 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](https://doi.org/10.1007/978-3-030-55347-0_19)

**Цитирана 3 път в:**

**28.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**29.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**30.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**16.** 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

**Цитирана 1 път в:**

**31.** Lepiksaar, Kertu, Kalme, Kiur, Siirde, Andres and Volkova, Anna. "Heat Pump Use in Rural District Heating Networks in Estonia" *Environmental and Climate Technologies*, vol.25, no.1, 2021, pp.786-802. <https://doi.org/10.2478/rtuect-2021-0059>

**17.** Gadzhev, G., Recurrence of Air Quality for the city of Sofia for 2013 and 2014, Bulgarian Geophysical Journal, Vol.41, 2018, pp. 46–58 <http://www.niggg.bas.bg/aboutus/periodicalsbg/bulgarian-geophysical-journal/2018-vol-41/>

**Цитирана 4 пъти в:**

**32.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**33.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**34.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, *Proceedings of 21st International*

**35.** Georgieva I., Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>

**18.** Georgi Gadzhev, PRELIMINARY RESULTS FOR THE RECURRENCE OF AIR QUALITY INDEX FOR THE CITY OF SOFIA FROM 2008 TO 2019, (2020), Proceeding of 1st Internationa conference on ENVIRONMENTAL protection and disaster RISKS, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 53 – 64, <https://doi.org/10.48365/envr-2020.1.5>

**Цитирана 4 пъти в:**

**36.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**37.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**38.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>

**39.** Georgieva I., Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>

**19.** Georgi Gadzhev, The Seasonal Recurrence of Air Quality Index for the Period 2008-2019 Over the Territory of Sofia City, Dobrinkova and G. Gadzhev (eds.), Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control 361, (2021), pp. 161–170, [https://doi.org/10.1007/978-3-030-70190-1\\_11](https://doi.org/10.1007/978-3-030-70190-1_11)

**Цитирана 5 пъти в:**

**40.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**41.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**42.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>

**43.** Bojilova R., Mukhtarov P., A new approach for forecasting the main ionospheric parameters over Bulgaria, Proceedings of Thirteenth Workshop “Solar

**44.** Georgieva I., Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>

**20.** Gadzhev, G.K., Ganев, K.G., Prodanov, M., Syrakov, D.E., Miloshev, N.G., Georgiev, G.J., Some numerically studies of the atmospheric composition climate of Bulgaria, AIP Conference Proceedings, (2013), 1561, pp. 100-111. DOI: 10.1063/1.4827219

**Цитирана 2 пъти в:**

**45.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**46.** Atanassov, E., Gurov, T., Karaivanova, A., Ivanovska, S., Durdova, M., Georgiev, D. and Dimitrov D., (2015) Tuning for Scalability on Hybrid HPC Cluster, *Mathematics in Industry*, Cambridge Scholars Publishing, ISBN 1-4438-6401-3 / 978-1-4438-6401-5

**21.** Gadzhev G., Georgieva I., Ganev K., Miloshev N. (2018), Contribution of different emission sources to the atmospheric composition formation in the city of Sofia, *Int. J. Environment and Pollution*, Vol. 64, Nos. 1/3, , pp. 47–57

**Цитирана 1 път в:**

**47.** Елена Христова, Благородка Велева, Емилия Георгиева, Христомир Брънзов, (2021) Изследване на приноса на различни групи източници към замърсяването с ФПЧ10 в град София, *Bul. J. Meteo & Hydro* 25/1

**22.** Georgieva I., Gadzhev G., Ganев K., Miloshev N., (2018), Computer Simulations of Atmospheric Composition in Urban Areas. Some Results for the City of Sofia, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Volume 10665, LNCS, pp. 474-482.

**Цитирана 1 път в:**

**48.** Елена Христова, Благородка Велева, Емилия Георгиева, Христомир Брънзов, (2021) Изследване на приноса на различни групи източници към замърсяването с ФПЧ10 в град София, *Bul. J. Meteo & Hydro* 25/1

**23.** Georgieva, I.; Gadzhev, G.; Ganev, K.; Prodanova, M.; Syrakov, D.; Miloshev, N. Numerical study of the air quality in the city of Sofia—Some preliminary results. *Int. J. Environ. Pollut.* 2015, 57, 162–174.

**Цитирана 1 път в:**

**49.** Dimitrova, R.; Velizarova, M. Assessment of the Contribution of Different Particulate Matter Sources on Pollution in Sofia City. *Atmosphere* 2021, 12, 423. <https://doi.org/10.3390/atmos12040423>

**24.** Ganev, K., Syrakov, D., Todorova, A., Prodanova, M., Atanasov, E., Gurov, T., Karaivanova, A., Miloshev, N., Gadzhev, G., Jordanov, G. (2010) Multi-scale atmospheric composition modelling for the Balkan region, *Geophysical Research Abstracts*, Vol. 12, EGU2010-10080, 2010, EGU General Assembly 2010

**Цитирана 3 пъти в:**

**50.** Antun Balaž, Ognjen Prnjat, Dušan Vudragović, Vladimir Slavnić, Ioannis Liabotis, Emanuil Atanassov, Boro Jakimovski, Mihajlo Savić, (2011), Development of Grid e-Infrastructure in South-Eastern Europe, *J Grid Computing* (2011) 9:135–154, DOI 10.1007/s10723-011-9185-0, (IF 1.556)

**51.** Simon C. Lin, Eric Yen, (2011) Data Driven e-Science Use Cases and Successful Applications of Distributed Computing Infrastructures (ISGC 2010), ISBN: 978-1-4419-8013-7, DOI: 10.1007/978-1-4419-8014-4

**52.** Ivanov, V. and Georgieva, I., (2017) Air quality index evaluations for Sofia city, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings

**25.** Gadzhev G. and Ganев, K., (2018), VERTICAL STRUCTURE OF SOME POLLUTANT OVER BULGARIA - OZONE AND NITROGEN DIOXIDE. SGEM 2018, 18, 4.3, ISBN:978-619-7408-70-6, ISSN:1314-2704, DOI:10.5593/sgem2018/4.3, pp. 449-454

**Цитирана 6 пъти в:**

**53.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**54.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**55.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>

**56.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. Atmosphere 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**57.** Bojilova, R. Muhtarov, P. and Miloshev, N. CLIMATOLOGY OF THE INDEX OF THE BIOLOGICALLY ACTIVE ULTRAVIOLET RADIATION FOR SOFIA. AN EMPIRICAL FORECAST MODEL FOR PREDICTING THE UV-INDEX, Comptes rendus de l'Academie bulgare des Sciences, Tome 73, No 4, 2020, pp. 531-538

**58.** Muhtarov, P. and Miloshev, N., THE OZONE LAYER OVER BULGARIA IN THE PERIOD 1997- 2018, Bulgarian Geophysical Journal, Vol. 41, 2018

**26.** Gadzhev G. and Ganev, K., (2018), Vertical structure of atmospheric composition fields over Bulgaria, Int. Conf. (NMSCAA'18), Hisarya. Bulgaria, 27 – 31 May 2018, pp. 38-41

**Цитирана 4 пъти в:**

**59.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**60.** И. Георгиева, Н. Милошев, 2021, ЗАМЪРСЯВАНЕ НА АТМОСФЕРНИЯ ВЪЗДУХ С ФИНИ ПРАХОВИ ЧАСТИЦИ (ФПЧ) – АНАЛИЗ НА РЕЗУЛТАТИТЕ ОТ КОМПЮТЪРНИ СИМУЛАЦИИ ЗА БЪЛГАРИЯ И СОФИЯ ГРАД, Българско Геофизично списание, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 3 – 22 <https://doi.org/10.34975/bgj-2021.44.1>

**61.** Muhtarov, P. and Miloshev, N., THE OZONE LAYER OVER BULGARIA IN THE PERIOD 1997- 2018, Bulgarian Geophysical Journal, Vol. 41, 2018

**62.** Bojilova, R. Muhtarov, P. And Miloshev, N. CLIMATOLOGY OF THE INDEX OF THE BIOLOGICALLY ACTIVE ULTRAVIOLET RADIATION FOR SOFIA. AN EMPIRICAL FORECAST MODEL FOR PREDICTING THE UV-INDEX, Comptes rendus de l'Academie bulgare des Sciences, Tome 73, No 4, 2020, pp. 531-538

**27.** Georgieva, I., Gadzhev, G., Ganev, K., Melas, D., Wang, T., (2017), High Performance Computing Simulations of the Atmospheric Composition in Bulgaria and the City of Sofia. CYBERNETICS AND INFORMATION TECHNOLOGIES, Volume 17, No 5, pp. 37-48

**Цитирана 3 пъти в:**

**63.** Dimitrova, R.; Velizarova, M. Assessment of the Contribution of Different Particulate Matter Sources on Pollution in Sofia City. *Atmosphere* 2021, 12, 423. <https://doi.org/10.3390/atmos12040423>

**64.** Margret Velizarova and Reneta Dimitrova, STUDY OF ONE MONTH EVENT OF HIGH PM POLLUTION FOR SOFIA REGION, (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. 33 – 43, <https://doi.org/10.48365/envr-2020.1.3>

**65.** Muhtarov, P. and Miloshev, N., THE OZONE LAYER OVER BULGARIA IN THE PERIOD 1997- 2018, *Bulgarian Geophysical Journal*, Vol. 41, 2018

**28.** Jordanov, G., Gadzhev, G., Ganев, K., Miloshev, N., Syrakov, D., Prodanova, M., Numerical study of the wind energy potential in Bulgaria - Some preliminary results, AIP Conference Proceedings, (2012), 1487, pp. 71-78. (SJR: 0.16)

**Цитирана 1 път в:**

**66.** Chris Harrison, Huw Lloyd and Chris Field, (2017), Evidence review of the impact of solar farms on birds, bats and general ecology, Technical Report of Natural England, Manchester Metropolitan university, <http://dx.doi.org/10.13140/RG.2.2.24726.96325>

**29.** Gadzhev, G., Ganев, K., Miloshev, N., (2015), Numerical study of the atmospheric composition climate of Bulgaria - Validation of the computer simulation results, International Journal of Environment and Pollution, 57 (3-4), pp. 189-201. (IF: 0.71)

**Цитирана 9 пъти в:**

**67.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**68.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>

**69.** Bojilova R., Mukhtarov P., A new approach for forecasting the main ionospheric parameters over Bulgaria, Proceedings of Thirteenth Workshop “Solar Influences on the Magnetosphere, Ionosphere and Atmosphere” Primorsko, Bulgaria, September, 2021, ISSN 2367-7570

**70.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**71.** Georgieva I., Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>

**72.** Syrakov, D., Prodanova, M., Georgieva, E., Effects of satellite data assimilation in air quality modelling in Bulgaria, *Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control* 361, (2021) [https://doi.org/10.1007/978-3-030-70190-1\\_1](https://doi.org/10.1007/978-3-030-70190-1_1)

**73.** Dimiter Syrakov, Maria Prodanova and Emilia Georgieva, SATELLITE DATA ASSIMILATION OF AIR QUALITY PARAMETERS IN BULGARIA, (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. 44 – 52 <https://doi.org/10.48365/envr-2020.1.4>

**74.** Georgieva, I., Ivanov, I., Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria, *Int. J. Environment and Pollution*, Vol. 64, Nos. 1/3, 2018, pp. 35-46

**75.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околоземното пространство” шифър 01.04.08

**30.** Gadzhev, G., Ganев, K., Miloshev, N., Syrakov, D., Prodanova, M., (2015), *HPC simulations of the fine particulate matter climate of Bulgaria*, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8962, pp. 178-186. (**SJR: 0.339**)

**Цитирана 3 пъти в:**

**76.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**77.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**78.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околоземното пространство” шифър 01.04.08

**31.** Gadzhev, G., Ganev, K., Miloshev, N., Syrakov, D., Prodanova, M., (2014), *Calculation Of Some Ozone Pollution Indeces For Bulgaria*, Ecology and Safety, Volume 8, ISSN 1314-7234, pp: 384- 392

**Цитирана 1 път в:**

**79.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околоземното пространство” шифър 01.04.08

**32.** Gadzhev, G., Ganev, K., Miloshev, N., Syrakov, D., Prodanova, M., (2014), *Analysis of the processes which form the air pollution pattern over Bulgaria*, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8353 LNCS, pp. 390-396. (**SJR: 0.339**)

**Цитирана 13 пъти в:**

**80.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**81.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, *Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021*, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>

**82.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**83.** Georgieva I., Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>

**84.** Bojilova R. and Mukhtarov P., AN EMPIRICAL MODEL FOR FORECASTING THE CRITICAL FREQUENCY OF THE IONOSPHERIC E-REGION OVER BULGARIA, SGEM, (2021), *Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021*, pp. 621 – 628 <https://doi.org/10.5593/sgem2021V/1.1/s05.075>

**85.** Ivanov, V. and Dimitrova, R., STUDY OF THE EXTREME THERMAL CONDITIONS FOR THE SOFIA REGION –PRELIMINARY RESULTS, *Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control* 361, (2021) [https://doi.org/10.1007/978-3-030-70190-1\\_9](https://doi.org/10.1007/978-3-030-70190-1_9)

**86.** Dimitrova, R.; Velizarova, M. Assessment of the Contribution of Different Particulate Matter Sources on Pollution in Sofia City. *Atmosphere* 2021, 12, 423. <https://doi.org/10.3390/atmos12040423>

**87.** Vladimir Ivanov and Reneta Dimitrova, SENSITIVITY TO THE WRF MODEL CONFIGURATION OF THE WIND CHILL INDEX FOR SOFIA REGION – PRELIMINARY RESULTS (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. 79 – 89, <https://doi.org/10.48365/envr-2020.1.7>

**88.** Margret Velizarova and Reneta Dimitrova, STUDY OF ONE MONTH EVENT OF HIGH PM POLLUTION FOR SOFIA REGION, (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. 33 – 43, <https://doi.org/10.48365/envr-2020.1.3>

**89.** Georgieva, I., Ivanov, I., Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria, *Int. J. Environment and Pollution*, Vol. 64, Nos. 1/3, 2018, pp. 35-46

**90.** Georgieva, I., Ivanov, I., IMPACT OF THE AIR POLLUTION ON THE QUALITY OF LIFE AND HEALTH RISKS IN BULGARIA, HARMO 2018 - 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings, (2017), pp. 647-652

**91.** Ivanov, V. and Georgieva, I., (2017) Air quality index evaluations for Sofia city, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings

**92.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околноземното пространство“ ишифър 01.04.08

**33.** Gadzhev, G., Ganev, K., Miloshev, N., Syrakov, D., Prodanova, M., (2014), Some basic facts about the atmospheric composition in Bulgaria - Grid computing simulations, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8353 LNCS, pp. 484-490 (**SJR: 0.339**)

#### Цитирана 13 пъти в:

**93.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**94.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>

**95.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**96.** Georgieva I., Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>

**97.** Ivanov, V. and Dimitrova, R., STUDY OF THE EXTREME THERMAL CONDITIONS FOR THE SOFIA REGION –PRELIMINARY RESULTS, *Environmental Protection and Disaster*

*Risks, Studies in Systems, Decision and Control* 361, (2021) [https://doi.org/10.1007/978-3-030-70190-1\\_9](https://doi.org/10.1007/978-3-030-70190-1_9)

**98.** Dimitrova, R.; Velizarova, M. Assessment of the Contribution of Different Particulate Matter Sources on Pollution in Sofia City. *Atmosphere* 2021, 12, 423. <https://doi.org/10.3390/atmos12040423>

**99.** Vladimir Ivanov and Reneta Dimitrova, SENSITIVITY TO THE WRF MODEL CONFIGURATION OF THE WIND CHILL INDEX FOR SOFIA REGION – PRELIMINARY RESULTS (2020), Proceeding of 1st Internationa conference on ENVIROnmental protection and disaster RISKS, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 79 – 89, <https://doi.org/10.48365/envr-2020.1.7>

**100.** Margret Velizarova and Reneta Dimitrova, STUDY OF ONE MONTH EVENT OF HIGH PM POLLUTION FOR SOFIA REGION, (2020), Proceeding of 1st Internationa conference on ENVIROnmental protection and disaster RISKS, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 33 – 43, <https://doi.org/10.48365/envr-2020.1.3>

**101.** Bojilova, R., THREE GEOMAGNETIC STORMS IN JANUARY 2005 AND THEIR IMPACT ON TOTAL ELECTRON CONTENT, Bulgarian Geophysical Journal, Vol.41, 2018

**102.** Georgieva, I., Ivanov, I., Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria, *Int. J. Environment and Pollution*, Vol. 64, Nos. 1/3, 2018, pp. 35-46

**103.** Georgieva, I., Ivanov, I., IMPACT OF THE AIR POLLUTION ON THE QUALITY OF LIFE AND HEALTH RISKS IN BULGARIA, HAMO 2018 - 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings, (2017), pp. 647-652

**104.** Ivanov, V. and Georgieva, I., (2017) Air quality index evaluations for Sofia city, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings

**105.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околоземното пространство” шифър 01.04.08

**34.** Гаджев Г., 2013, Мултимащабно моделиране на пренос на замърсители в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околоземното пространство” шифър 01.04.08

### Цитирана 3 пъти в:

**106.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околоземното пространство” шифър 01.04.08

**107.** Калейна П., 2016, Изучаване на озоновия слой над територията на България, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околоземното пространство” шифър 01.04.08

**108.** Петров П., 2015, ПРИЛАГАНЕ НА МАГНИТНИ МЕТОДИ ЗА ОЦЕНКА НА СТЕПЕНТА НА ЗАМЪРСЯВАНЕ НА ГРАДСКА СРЕДА, Дисертация за придобиване на образователната и научна степен “доктор” по специалност 4.4. “Науки за Земята” (01.04.07. “Земен магнетизъм и гравиметрия”)

**35.** Gadzhev G., K. Ganev, D. Syrakov, M. Prodanova and N. Miloshev (2013) Some Statistical Evaluations of Numerically Obtained Atmospheric Composition Fields in Bulgaria, in

the Proceedings of 15th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes. 6-9 May 2013, Madrid, Spain, 373-377.

**Цитирана 4 пъти в:**

**109.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**110.** Georgieva, I., Ivanov, I., Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria, *Int. J. Environment and Pollution*, Vol. 64, Nos. 1/3, 2018, pp. 35-46

**111.** Georgieva, I., Ivanov, I., IMPACT OF THE AIR POLLUTION ON THE QUALITY OF LIFE AND HEALTH RISKS IN BULGARIA, HAMO 2018 - 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, *Proceedings*, (2017), pp. 647-652

**112.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен „доктор“ по специалност „Физика на океана, атмосферата и околовземното пространство“ ишифър 01.04.08

**36. Gadzhev, G.K.,** Ganev, K.G., Miloshev, N.G., Syrakov, D.E., Prodanova, M. (2013) *Numerical study of the atmospheric composition in Bulgaria*. Computers and Mathematics with Applications, 65 (3), pp. 402-422. DOI: 10.1016/j.camwa.2012.07.002 (IF 1.472)

**Цитирана 13 пъти в:**

**113.** И. Георгиева, 2021, Сезонна и годишна повторяемост на индексите за качеството на атмосферния въздух за района на град София, *Bulgarian Geophysical Journal*, 2021, Vol. 44, pp. 23 – 32 <https://doi.org/10.34975/bgj-2021.44.2>

**114.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, *Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021*, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>

**115.** Georgieva I., Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>

**116.** Georgieva, I., Ivanov, I., Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria, *Int. J. Environment and Pollution*, Vol. 64, Nos. 1/3, 2018, pp. 35-46

**117.** Iliyana Naydenova, Tsvetelina Petrova, Rositsa Velichkova, Iskra Simova., PM10 EXCEEDANCE IN BULGARIA, CBU INTERNATIONAL CONFERENCE ON INNOVATIONS IN SCIENCE AND EDUCATION, MARCH 21-23, 2018, PRAGUE, CZECH REPUBLIC, <http://dx.doi.org/10.12955/cbup.v6.1305>

**118.** Georgieva, I., Ivanov, I., IMPACT OF THE AIR POLLUTION ON THE QUALITY OF LIFE AND HEALTH RISKS IN BULGARIA, HAMO 2018 - 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, *Proceedings*, (2017), pp. 647-652

**119.** Ivanov, V. and Georgieva, I., (2017) Air quality index evaluations for Sofia city, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings

**120.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и

научна степен „доктор“ по специалност „Физика на океана, атмосферата и околовъземното пространство“ ишифър 01.04.08

- 121.** Karagiannidis, A., Poupkou, A., Giannaros, T., Giannaros, C., Melas, D., Argiriou, A. (2015) *The air quality of a Mediterranean urban environment area and its relation to major meteorological parameters*. Water, Air, and Soil Pollution, 226 (1), DOI: 10.1007/s11270-014-2239-8 (**IF 1.685**)
- 122.** Georgieva I. (2014) *Air Quality Index Evaluations for Bulgaria, in the Proceedings of International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“*, May 19-22, 2014 ,pp. 39-42
- 123.** Hristova, R., Ivanovska, S., Durchova, M. (2014) *Performance analysis of the regional grid resources for an environmental modeling application*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8353 LNCS, pp. 507-514. DOI: 10.1007/978-3-662-43880-0\_58(**SJR: 0.339**)
- 124.** Hristova, R., Goranov, G. (2013) *User-level framework for performance monitoring of HPC applications*. AIP Conference Proceedings, 1561, pp. 144-152. DOI: 10.1063/1.4827223(**SJR: 0.16**)
- 125.** Atanassov, E., Ivanovska, S. (2013) *Computation and analysis of Sobol coefficients for air pollution concentrations over the territory of Bulgaria*. 2013 36th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2013 - Proceedings, art. no. 6596258, pp. 254-257.
- 37.** Gadzhev, G., Ganев, K., Syrakov, D., Miloshev, N., Prodanova, M. (2012) *Contribution of biogenic emissions to the atmospheric composition of the Balkan Region and Bulgaria*. International Journal of Environment and Pollution, 50 (1-4), pp. 130-139. DOI: 10.1504/IJEP.2012.
- Цитирана 12 пъти в:**
- 126.** Georgieva, I. *THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX*, Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>
- 127.** Ivanov, V.; Georgieva, I. *Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia*. Atmosphere 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>
- 128.** Georgieva I., *Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status*, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>
- 129.** Ivanov, V. and Dimitrova, R., *STUDY OF THE EXTREME THERMAL CONDITIONS FOR THE SOFIA REGION –PRELIMINARY RESULTS*, Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control 361, (2021) [https://doi.org/10.1007/978-3-030-70190-1\\_9](https://doi.org/10.1007/978-3-030-70190-1_9)
- 130.** Dimitrova, R.; Velizarova, M. *Assessment of the Contribution of Different Particulate Matter Sources on Pollution in Sofia City*. Atmosphere 2021, 12, 423. <https://doi.org/10.3390/atmos12040423>
- 131.** Rumiana Bojilova and Plamen Mukhtarov, *METHODOLOGY FOR CALCULATING THE PARAMETERS OF RADIO PATHS WITH IONOSPHERIC REFLECTION*, (2020), Proceeding of 1st Internationa conference on ENVIROnmental protection and disaster RISKS, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 241 – 248, <https://doi.org/10.48365/envr-2020.1.22>
- 132.** Vladimir Ivanov and Reneta Dimitrova, *SENSITIVITY TO THE WRF MODEL CONFIGURATION OF THE WIND CHILL INDEX FOR SOFIA REGION – PRELIMINARY RESULTS* (2020), Proceeding of 1st Internationa conference on

*ENVIROnmental protection and disaster RISKs, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 79 – 89, <https://doi.org/10.48365/envr-2020.1.7>*

**133.** Georgieva, I., Ivanov, I., *Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria, Int. J. Environment and Pollution, Vol. 64, Nos. 1/3, 2018, pp. 35-46*

**134.** Georgieva, I., Ivanov, I., *IMPACT OF THE AIR POLLUTION ON THE QUALITY OF LIFE AND HEALTH RISKS IN BULGARIA, HARMO 2018 - 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings, (2017), pp. 647-652*

**135.** Ivanov, V. and Georgieva, I., (2017) *Air quality index evaluations for Sofia city, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings*

**136.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен „доктор“ по специалност „Физика на океана, атмосферата и околовъземното пространство“ шифър 01.04.08

**137.** Georgieva I. (2014) *Air Quality Index Evaluations for Bulgaria, in the Proceedings of International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“, May 19-22, 2014 ,pp. 39-42*

**38. Gadzhev, G., Jordanov, G., Ganев, K., Prodanova, M., Syrakov, D., Miloshev, N.** (2011) *Atmospheric composition studies for the Balkan Region. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6046 LNCS, pp. 150-157. DOI: 10.1007/978-3-642-18466-6\_17 (SJR: 0.339)*

**Цитирана 11 пъти в:**

**138.** Georgieva, I. *THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>*

**139.** Ivanov, V.; Georgieva, I. *Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. Atmosphere 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>*

**140.** Georgieva I., *Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>*

**141.** Bojilova R. and Mukhtarov P., *AN EMPIRICAL MODEL FOR FORECASTING THE CRITICAL FREQUENCY OF THE IONOSPHERIC E-REGION OVER BULGARIA, SGEM, (2021), Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp. 621 – 628 <https://doi.org/10.5593/sgem2021/1.1/s05.075>*

**142.** Claudio A. Belis, Enrico Pisoni, Bart Degraeuwe, Emanuela Peduzzi, Philippe Thunis, Fabio Monforti-Ferrario, Diego Guizzardi, *Urban pollution in the Danube and Western Balkans regions: The impact of major PM2.5 sources, Environment International 133 (2019) 105158, <https://doi.org/10.1016/j.envint.2019.105158>*

**143.** Georgieva, I., Ivanov, I., *Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria, Int. J. Environment and Pollution, Vol. 64, Nos. 1/3, 2018, pp. 35-46*

**144.** Georgieva, I., Ivanov, I., *IMPACT OF THE AIR POLLUTION ON THE QUALITY OF LIFE AND HEALTH RISKS IN BULGARIA, HARMO 2018 - 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings, (2017), pp. 647-652*

**145.** Ivanov, V. and Georgieva, I., (2017) *Air quality index evaluations for Sofia city, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings*

**146.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околовъземното пространство“ ишифър 01.04.08

**147.** Atanassov, E., Ivanovska, S. (2013) *Computation and analysis of Sobol coefficients for air pollution concentrations over the territory of Bulgaria. 2013 36th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2013 - Proceedings*, art. no. 6596258, pp. 254-257.

**148.** Georgieva I. (2014) *Air Quality Index Evaluations for Bulgaria, in the Proceedings of International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“*, May 19-22, 2014 ,pp. 39-42

**39.** Ganev, K., Syrakov, D., **Gadzhev, G.**, Prodanova, M., Jordanov, G., Miloshev, N., Todorova, A. (2010) *Joint analysis of regional scale transport and transformation of air pollution from road and ship transport*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 5910 LNCS, pp. 180-187. DOI: 10.1007/978-3-642-12535-5\_20 (**SJR: 0.339**)

#### Цитирана 3 пъти в:

**149.** Ivanov, V.; Georgieva, I. *Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**150.** Hristova, R., Ivanovska, S., Durchova, M. (2014) *Performance analysis of the regional grid resources for an environmental modeling application. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 8353 LNCS, pp. 507-514. DOI: 10.1007/978-3-662-43880-0\_58 (**SJR: 0.339**)

**151.** Atanassov, E., Ivanovska, S. (2013) *Computation and analysis of Sobol coefficients for air pollution concentrations over the territory of Bulgaria. 2013 36th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2013 - Proceedings*, art. no. 6596258, pp. 254-257.

**40.** Todorova, A., **Gadzhev, G.**, Jordanov, G., Syrakov, D., Ganev, K., Miloshev, N., Prodanova, M. (2010) *Numerical study of some high PM10 levels episodes*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 5910 LNCS, pp. 223-230. DOI: 10.1007/978-3-642-12535-5\_25 (**SJR: 0.339**)

#### Цитирана 2 пъти в:

**152.** Ivanov, V.; Georgieva, I. *Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**153.** Atanassov, E., Ivanovska, S. (2013) *Computation and analysis of Sobol coefficients for air pollution concentrations over the territory of Bulgaria. 2013 36th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2013 - Proceedings*, art. no. 6596258, pp. 254-257.

**41.** Todorova, A., Syrakov, D., **Gadjhev, G.**, Georgiev, G., Ganev, K.G., Prodanova, M., Miloshev, N., Spiridonov, V., Bogatchev, A., Slavov, K. (2010) *Grid computing for atmospheric composition studies in Bulgaria*. Earth Science Informatics, 3 (4), pp. 259-282. DOI: 10.1007/s12145-010-0072-1 (**IF: 0.657**)

#### Цитирана 14 пъти в:

**154.** Lorenzo Olgiati, *PREVISIONE DELLA CONCENTRAZIONE DI PM10 CON UNA RETE NEURALE A GRAFO*, Scuola di Ingegneria Civile, Ambientale e Territoriale

- 155.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. *Atmosphere* 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>
- 156.** Zhang, F.Y., Chen, M., Wang, M., Wang, ZH., Zhang, S., Yue, SS., Wen, YN., Lu, (2021) A framework on task configuration and execution for distributed geographical simulation, *INTERNATIONAL JOURNAL OF DIGITAL EARTH.*, DOI: 10.1080/17538947.2021.1949400
- 157.** Dimitrova, R.; Velizarova, M. Assessment of the Contribution of Different Particulate Matter Sources on Pollution in Sofia City. *Atmosphere* 2021, 12, 423. <https://doi.org/10.3390/atmos12040423>
- 158.** Fengyuan Zhang, Min Chen, Songshan Yue, Yongning Wen, Guonian Lü, Fei Li, (2020) Service-oriented interface design for open distributed environmental simulations, *Environmental Research* 191 (2020) 110225, <https://doi.org/10.1016/j.envres.2020.110225>
- 159.** Fengyuan Zhang, Min Chen, Daniel P.Ames, Chaoran Shen, Songshan Yue, Yongning Wen, Guonian Lü, (2019) Design and Development of a Service-oriented Wrapper System for Sharing and Reusing Distributed Geoanalysis Models on the Web, *Environmental Modelling and Software*, doi: 10.1016/j.envsoft.2018.11.002
- 160.** Ivanov, V. and Georgieva, I., (2017) Air quality index evaluations for Sofia city, *17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings*
- 161.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околовъземното пространство“ шифър 01.04.08
- 162.** Wen, Y., Chen, M., Yue, S., Zheng, P., Peng, G., Lu, G. (2017) A model-service deployment strategy for collaboratively sharing geo-analysis models in an open web environment. *International Journal of Digital Earth. Volume 10, Issue 4, 3 April 2017, Pages 405-42, DOI: 10.1080/17538947.2015.1131340 (SJR: 2.86)*
- 163.** Yue, S., Chen, M., Wen, Y., Lu, G. (2016) Service-oriented model-encapsulation strategy for sharing and integrating heterogeneous geo-analysis models in an open web environment. *ISPRS Journal of Photogrammetry and Remote Sensing. Volume 114 , Pages 258-273, DOI: 10.1016/j.isprsjprs.2015.11.002 (IF 4.422)*
- 164.** Oesterle, F., Ostermann, S., Prodan, R., Mayr, G.J. (2015) Experiences with distributed computing for meteorological applications: Grid computing and cloud computing. *Geoscientific Model Development, 8 (7), pp. 2067-2078. DOI: 10.5194/gmd-8-2067-2015 (IF 3.654)*
- 165.** Yue, S., Wen, Y., Chen, M., Lu, G., Hu, D., Zhang, F. (2015) A data description model for reusing, sharing and integrating geo-analysis models. *Environmental Earth Sciences, 74 (10), pp. 7081-7099. DOI: 10.1007/s12665-015-4270-5 (IF 1.756)*
- 166.** Georgieva I. (2014) Air Quality Index Evaluations for Bulgaria, in the Proceedings of International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“, May 19-22, 2014 ,pp. 39-42
- 167.** Leelössy, Á., Molnár, F., Jr., Izsák, F., Havasi, Á., Lagzi, I., Mészáros, R. (2014) Dispersion modeling of air pollutants in the atmosphere: a review. *Central European Journal of Geosciences, 6 (3), pp. 257-278. DOI: 10.2478/s13533-012-0188-6 (IF 0.663)*
- 42.** Gadzhev, G., Ganev, K., Prodanova, M., Syrakov, D., Atanasov, E., Miloshev, N. (2013) Multi-scale Atmospheric Composition Modelling for Bulgaria. NATO Science for Peace

and Security Series C: Environmental Security, 137, pp. 381-385. DOI: 10.1007/978-94-007-5577-2\_64 (**SJR: 0.11**)

**Цитирана 6 пъти в:**

**168.** Georgieva, I. THE ASSESSMENT OF AIR QUALITY STATUS IN SOFIA CITY - NUMERICAL SIMULATIONS OF THE DOMINANT POLLUTANTS THAT DETERMINES THE AIR QUALITY INDEX, Proceedings of 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp.169 – 176 <https://doi.org/10.5593/sgem2021V/4.2/s19.16>

**169.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. Atmosphere 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**170.** Georgieva I., Air Pollution Assessment for Sofia City - Dominant Pollutants Recurrence Which Determines the air Quality Status, European Association of Geoscientists & Engineers, Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, <https://doi.org/10.3997/2214-4609.202149BGS34>

**171.** Ivanov, V. and Georgieva, I., (2017) Air quality index evaluations for Sofia city, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings

**172.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен „доктор“ по специалност „Физика на океана, атмосферата и околоземното пространство“ ишифър 01.04.08

**173.** Georgieva I. (2014) Air Quality Index Evaluations for Bulgaria, in the Proceedings of International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“, May 19-22, 2014 ,pp. 39-42

**43. Gadzhev G., Syrakov, D., Ganev, K., Brandiyska, A., Miloshev, N., Georgiev, G., Prodanova, M., (2011), Atmospheric composition of the Balkan region and Bulgaria. Study of the contribution of biogenic emissions, AIP Conference Proceedings, 1404, pp. 200-209. DOI: 10.1063/1.3659921 (**SJR: 0.16**)**

**Цитирана 10 пъти в:**

**174.** Ivanov, V.; Georgieva, I. Basic Facts about Numerical Simulations of Atmospheric Composition in the City of Sofia. Atmosphere 2021, 12, 1450. <https://doi.org/10.3390/atmos12111450>

**175.** Ivanov, V. and Dimitrova, R., STUDY OF THE EXTREME THERMAL CONDITIONS FOR THE SOFIA REGION –PRELIMINARY RESULTS, Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control 361, (2021) [https://doi.org/10.1007/978-3-030-70190-1\\_9](https://doi.org/10.1007/978-3-030-70190-1_9)

**176.** Jade Alexandra Li Ramírez, ESTIMACIÓN DE UN INVENTARIO DE EMISIONES DE COMPUESTOS ORGÁNICOS VOLÁTILES GENERADOS POR FUENTES BIOGÉNICAS PARA EL DEPARTAMENTO DE CALDAS, ESTIMATION OF A BIOGENIC VOLATILE ORGANIC COMPOUNDS EMISSIONS INVENTORY GENERATED FOR THE CALDAS DEPARTMENT, (2017) Tesis de investigación presentada como requisito parcial para optar al título de: Magister en Ingeniería Química, Facultad de Ingeniería y Arquitectura, Departamento de Ingeniería Química Manizales, Colombia

**177.** Rumiana Bojilova and Plamen Mukhtarov, METHODOLOGY FOR CALCULATING THE PARAMETERS OF RADIO PATHS WITH IONOSPHERIC REFLECTION, (2020), Proceeding of 1st Internationa conference on ENVIROnmental protection and disaster RISKS, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 79 – 89, <https://doi.org/10.48365/envr-2020.1.22>

**178.** Vladimir Ivanov and Reneta Dimitrova, SENSITIVITY TO THE WRF MODEL CONFIGURATION OF THE WIND CHILL INDEX FOR SOFIA REGION –

*PRELIMINARY RESULTS* (2020), *Proceeding of 1st Internationa conference on ENVIROnmental protection and disaster RISKS*, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 79 – 89, <https://doi.org/10.48365/envr-2020.1.7>

**179.** Georgieva, I., Ivanov, I., *Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria*, *Int. J. Environment and Pollution*, Vol. 64, Nos. 1/3, 2018, pp. 35-46

**180.** Georgieva, I., Ivanov, I., *IMPACT OF THE AIR POLLUTION ON THE QUALITY OF LIFE AND HEALTH RISKS IN BULGARIA*, *HARMO 2018 - 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings*, (2017), pp. 647-652

**181.** Ivanov, V. and Georgieva, I., (2017) *Air quality index evaluations for Sofia city*, *17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings*

**182.** Георгиева, И., 2017, Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “доктор” по специалност „Физика на океана, атмосферата и околовземното пространство” шифър 01.04.08

**183.** Georgieva I. (2014) *Air Quality Index Evaluations for Bulgaria*, in the *Proceedings of International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“*, May 19-22, 2014 ,pp. 39-42

**44.** Ganev K., D. Syrakov, A. Todorova, **G. Gadzhev**, G. Jordanov, N. Miloshev, M. Prodanova, (2009), *Joint analysis of dilution and transformation processes of air pollution from the road and ship transport*. 7th International Conference on Air Quality Science and Application Istanbul, 24-27 March 2009. (on a CD)

#### **Цитирана 1 път в:**

**184.** Georgieva I. (2014) *Air Quality Index Evaluations for Bulgaria*, in the *Proceedings of International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“*, May 19-22, 2014 ,pp. 39-42

**45.** Ganev K., Syrakov D., Prodanova M., Miloshev N., Jordanov G., **Gadjev G.**, and Todorova A., 2009, *Atmospheric composition modeling for the Balkan region*, Proceedinds of SEEGRID-SCI User Forum 2009, 9-10 Dec, 2009, Istanbul, Turkey ISBN: 978-975-403-510-0, pp. 77-85

#### **Цитирана 2 пъти в:**

**185.** Georgieva I. (2014) *Air Quality Index Evaluations for Bulgaria*, in the *Proceedings of International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“*, May 19-22, 2014 ,pp. 39-42

**186.** Antun Balaž, Ognjen Prnjat, Dušan Vudragović, Vladimir Slavnić, Ioannis Liabotis, Emanuil Atanassov, Boro Jakimovski, Mihajlo Savić, (2011), *Development of Grid e-Infrastructure in South-Eastern Europe*, *J Grid Computing* (2011) 9:135–154, DOI 10.1007/s10723-011-9185-0, (IF 1.556)

**46.** Syrakov D., Prodanova M., Spiridonov V., Bogatchev A., Slavov K., Ganev K., Miloshev N., Jordanov G., **Gadjev G.**, and Todorova A., 2009, *Climate Change Impact of Air Quality over Bulgaria*, Proceedinds of SEEGRID-SCI User Forum 2009, 9-10 Dec, 2009, Istanbul, Turkey, ISBN: 978-975-403-510-0, pp. 95-103

#### **Цитирана 2 пъти в:**

**187.** Zlatev, Z., Georgiev, K., Dimov, I. *Influence of climatic changes on pollution levels in the Balkan Peninsula* (2013) *Computers and Mathematics with Applications*, 65 (3), pp. 544-562. DOI: 10.1016/j.camwa.2012.07.006

**188.** Antun Balaž, Ognjen Prnjat, Dušan Vudragović, Vladimir Slavnić, Ioannis Liabotis, Emanuil Atanassov, Boro Jakimovski, Mihajlo Savić, (2011),

*Development of Grid e-Infrastructure in South-Eastern Europe, J Grid Computing (2011) 9:135–154, DOI 10.1007/s10723-011-9185-0, (IF 1.556)*

**47.** A. Todorova, **G. Gadzhev**, G. Jordanov, D. Syrakov, Ganev K., N. Miloshev, M. Prodanova, (2009), *Application of the US EPA MODELS 3 SYSTEM for Numerical Simulations of High Pm10 Levels Episodes*, 7th International Conference on Air Quality Science and Application Istanbul, 24-27 March 2009. (on a CD)

**Цитирана 1 път в:**

**189.** Georgieva I. (2014) Air Quality Index Evaluations for Bulgaria, in the Proceedings of International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“, May 19-22, 2014 ,pp. 39-42

гр. София  
18.05.2022 г.

  
с уважение:  
/доц. д-р Георги Костадинов Гаджев/