

**СПРАВКА ЗА ИЗПЪЛНЕНИЕ НА МИНИМАЛНИТЕ ИЗИСКВАНИЯ ЗА ЗАЕМАНЕ НА
АКАДЕМИЧНАТА ДЛЪЖНОСТ “ДОЦЕНТ”, ДЕФИНИРАНИ В ПРАВИЛНИКА ЗА УСЛОВИЯТА И
РЕДА ЗА ПРИДОБИВАНЕ НА НАУЧНИ СТЕПЕНИ И ЗА ЗАЕМАНЕ НА АКАДЕМИЧНИ ДЛЪЖНОСТИ
В БАН, СЪОТВЕТНО НА ИЗИСКВАНИЯТА ПО ЧЛ. 1А, АЛ. 2**

на гл. ас., д-р Ивелина Христова Георгиева

Публикациите са представени на електронен носител, тук посочените статии са в съответствие със списъка на публикациите за участие в конкурса.

ПОКАЗАТЕЛ А

Дисертационен труд за присъждане на образователна и научна степен „доктор“ – **50 т.**

I. Автореферат: Георгиева И., (2017), Локални процеси на пренос и химични трансформации в атмосферата, Дисертация за придобиване на образователната и научна степен “Доктор” по специалност 01.04.08 „Физика на океана, атмосферата и околоземното пространство”

ПОКАЗАТЕЛ В - ПОКАЗАТЕЛИ 3 ИЛИ 4 - 125.57 т.

Научни публикации (не помалко от 10) в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация Scopus, Web of Science, ERIH+ - 60/n за всяка публикация

II. Публикации:

II.1. Georgieva I., G.Gadzhev, K. Ganev, M. Prodanova, D. Syrakov, N. Miloshev (2015) *Numerical study of the air quality in the city of Sofia – some preliminary results*, International Journal of Environment and pollution, Vol. 57, Nos. 3/4, 162-174 – DOI10.1504/IJEP.2015.074500, **IF(0.54) – 10т.**

II.2. Georgieva, I., Gadzhev, G., Ganev, K., Prodanova, M., Syrakov, D., Miloshev, N., *Numerical study of the Air Quality in the city of Sofia*, 8th Congress of the Balkan Geophysical Society, (2015), BGS 2015, DOI10.3997/2214-4609.201414123 – **10т.**

II.3. 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*, HARMO 2014 - 16th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings, (2014), pp. 356-360. – **10т.**

II.4. Georgieva, I., Gadzhev, G., Ganey, K., Melas, D., Wang, T., *HPC simulations of the atmospheric composition in Bulgaria and the city of Sofia*, (2017) Cybernetics and Information Technologies (CIT), Volume 17, No 5, 37-48., DOI 10.1515/cait-2017-0053, **SJR:0.203. – 12т.**

II.5. Georgieva, I., Gadzhev, G., Ganey, K., Miloshev, N., (2018) *Computer simulations of atmospheric composition in urban areas some results for the city of Sofia* (2018), proceedings of the Tenth International Conference on "Large Scale Scientific Computations", June 5-9, 2017, Sozopol, Bulgaria, *LSSC 2018, LNCS 10665*, pp. 474–482, 2018. https://doi.org/10.1007/978-3-319-73441-5_52 **SJR:0.339. - IF(0.402) – 15т.**

II.6 Georgi Gadzhev, **Ivelina Georgieva**, Kostadin Ganey and Nikolay Miloshev, *Contribution of different emission sources to the atmospheric composition formation in city of Sofia* (2018) HARMO 2017 - 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings, (2017)- **15т.**

II.7. Georgi Gadzhev, **Ivelina Georgieva**, Kostadin Ganey and Nikolay Miloshev, *Contribution of different emission sources to the atmospheric composition formation in city of Sofia* (2018), Int. J. Environment and Pollution, Vol. 64, Nos. 1/3, pp. 47-57, 2018, DOI 10.1504/IJEP.2018.099146– **IF(0.54) – 15т.**

II.8. Georgi Gadzhev, **Ivelina Georgieva**, Kostadin Ganey, Vladimir Ivanov, Nikolay Miloshev, Hristo Chervenkov, and Dimiter Syrakov, *Climate Applications In A Virtual Research Environment Platform* (2018), Scientific journal Scalable Computing (SCPE), Special Issue "e-Infrastructures for excellent science: Advances in Life Sciences, Digital Cultural Heritage and Climatology", Scalable Computing: Practice and Experience Volume 19, Number 2, pp. 107–118. ISSN: 1895-1767, DOI: 10.12694/scpe.v19i2.1347, **SJR:0.18. – 8,5т.**

II.9. Ivelina Georgieva, Georgi Gadzhev, Kostadin Ganey, Nikolay Miloshev. *Analysis Of Dynamical And Chemical Processes Which Form Atmospheric Composition Over Bulgaria*. SGEM 2018, 18, 4.3, 2018, ISBN: 978-619-7408-70-6, ISSN: 1314-2704, DOI: 10.5593/sgem2018V/4.3/S06.021, 167-179. **SJR:0.211 – 15т.**

II.10. 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*. Proceeding of 19th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Harmo 2019, 2019 – **15т.**

III. ПОКАЗАТЕЛ Г - СУМА ОТ ПОКАЗАТЕЛИТЕ ОТ 5 ДО 9 – 223.33 т.

III.1. Georgieva I. and Ivanov V., *Air Quality Index Evaluations for Sofia city* (2017) IEEE EUROCON 2017 – 17th IEEE International Conference on Smart Technologies, *IEEE EUROCON 2017 Proceedings*. DOI 10.1109/EUROCON.2017.8011246 – **20т.**

III.2. Ivelina Georgieva and Vladimir Ivanov, *Impact of the air pollution on the quality of life and health risks in Bulgaria* (2018), HARMO 2017 - 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings, (2017). - **20т.**

III.3. Ivelina Georgieva and Vladimir Ivanov, *Computer Simulations Of The Impact Of Air Pollution On The Quality Of Life And Health Risks In Bulgaria* (2018), Int. J. Environment and Pollution, Vol. 64, Nos. 1/3, pp.35-46, 2018 – DOI: 10.1007/978-3-030-41032-2_26, IF(0.54) - **20т.**

III.4. I. Georgieva and N. Miloshev. *Computer Simulations of PM Concentrations Climate for Bulgaria*. International Conference on "Numerical Methods for Scientific Computations and Advanced Applications" (NMSCAA'18), 2018, pp. 46-49. – **10т.**

III.5. Georgieva I., Gadzhev G., Ganey K., Miloshev N. *Process Analysis of Atmospheric Composition Fields in Urban Area (Sofia City)*. In: Lirkov I., Margenov S. (eds) Large-Scale Scientific Computing. LSSC 2019. Lecture Notes in Computer Science, vol XXXXX., 11958, SPRINGER, 2020, ISSN:03029743, , 228-236. SJR (Scopus):0.283 , DOI: 10.1007/978-3-030-41032-2_26 – **10т.**

III.6. 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> - **40т.**

III.7. 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> - **20т.**

III.8. Ivelina Georgieva, 2021, *The assessment of air quality status in Sofia city - numerical simulations of the dominant pollutants that determines the Air Quality Index*, Conference Proceedings of the SGEM Vienna Green 2021 ISBN: ISSUE 4.2, pp. 169-176, <https://doi.org/10.5593/sgem2021V/4.2/s19.16> - **40т.**

III.9. Georgieva I., Gadzhev G., Ganey K. *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 - **13.33т.**

III.10. 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. DOI: 10.34975/bgj-2021.44.2 – 20т.

III.11. 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, Bulgarian Geophysical Journal, 2021, Vol. 44, pp. 3- 22. DOI: 10.34975/bgj-2021.44.1 – 10т.

IV. ПОКАЗАТЕЛ Д - СУМА ОТ ПОКАЗАТЕЛИТЕ ОТ 10 ДО 12 – 72 т.

IV.1. 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 (2015) International Journal of Environment and Pollution, 57 (3-4), pp. 162-174. <http://www.inderscience.com/ijep> doi: 10.1504/IJEP.2015.074500

Цитирана 1 пъти:

1. Dimitrova, R., Velizarova, M, **Assessment of the contribution of different particulate matter sources on pollution in Sofia city (2021) Atmosphere Open Access, Volume 12, Issue 4, April 2021, Article number 423. – 5т.**

IV.2. 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), pp. 35-46

Цитирана 5 пъти:

1. Gadzhev, G., Ganev, K., Mukhtarov, P. (2021), **HPC Simulations of the Atmospheric Composition Bulgaria's Climate (On the Example of Coarse Particulate Matter Pollution)**, Studies in Computational Intelligence 902 SCI, pp. 221-233 – 5т.
2. G. Gadzhev (2018), **RECURRENCE OF AIR QUALITY FOR THE CITY OF SOFIA FOR 2013 AND 2014**, Bulgarian Geophysical Journal, 2018, Vol. 41 – 2т.
3. Gadzhev, G. (2020). **Preliminary Results for the Recurrence of Air Quality Index for the City of Sofia from 2008 to 2019**. Proceeding of 1st International Conference on Environmental Protection and Disaster RISks, 2020, p. 53-64. <https://doi.org/10.48365/ENVR-2020.1.5> - 2т.
4. Gadzhev, G., (2022) **The Seasonal Recurrence of Air Quality Index for the Period 2008–2019 Over the Territory of Sofia City**, Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control 361, https://doi.org/10.1007/978-3-030-70190-1_11 - 5т.

5. Gadzhev, G., Ganev, K. (2021), **Computer simulations of air quality and bioclimatic indices for the city of Sofia**, Atmosphere 12(8),1078, DOI10.3390/atmos12081078 - 5т.

IV.3. Ivanov, V., Georgieva, I., 2017, **Air quality index evaluations for Sofia city**, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings, 2017, pp. 920-925, 8011246

Цитирана 7 пъти:

1. Sharma, A., Mitra, A., Sharma, S., Roy, S. 2018, **Estimation of air quality index from seasonal trends using deep neural network**, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 11141 LNCS, pp. 511-521 https://doi.org/10.1007/978-3-030-01424-7_50 - 5т.
2. G. Gadzhev 2018, **RECURRENCE OF AIR QUALITY FOR THE CITY OF SOFIA FOR 2013 AND 2014**, Bulgarian Geophysical Journal, 2018, Vol. 41 – 2т.
3. Gadzhev, G. (2020). **Preliminary Results for the Recurrence of Air Quality Index for the City of Sofia from 2008 to 2019**. Proceeding of 1st International Conference on Environmental Protection and Disaster RISks, 2020, p. 53-64. <https://doi.org/10.48365/ENVR-2020.1.5> - 2т.
4. Gadzhev, G., Ganev, K., Mukhtarov, P. 2021, **HPC Simulations of the Atmospheric Composition Bulgaria's Climate (On the Example of Coarse Particulate Matter Pollution)**, Studies in Computational Intelligence 902 SCI, pp. 221-233 – 5т.
5. Gadzhev, G., (2021) **The Seasonal Recurrence of Air Quality Index for the Period 2008–2019 Over the Territory of Sofia City**, Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control 361, https://doi.org/10.1007/978-3-030-70190-1_11 - 5т.
6. Shankar, V.G., Devi, B., Bhatnagar, A., Sharma, A.K., Srivastava, D.K., (2021), **Indian Air Quality Health Index Analysis Using Exploratory Data Analysis**, Lecture Notes in Networks and Systems 179 LNNS, pp. 545-554. – 5т.
7. Gadzhev, G and Ganev, K, (2021) Computer Simulations of Air Quality and Bioclimatic Indices for the City of Sofia | Atmosphere 2021, 12(8), 1078; <https://doi.org/10.3390/atmos12081078> - 5т.

IV.4. Georgieva, I., Ivanov, V., 2017, **Impact of the air pollution on the quality of life and health risks in Bulgaria**, HARMO 2017 - 18th International Conference on Harmonisation

within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings, 2017-October, pp. 647-651

Цитирана 5 пъти:

1. Gadzhev, G., Ganey, K., Mukhtarov, P. 2021, **HPC Simulations of the Atmospheric Composition Bulgaria's Climate (On the Example of Coarse Particulate Matter Pollution)**, Studies in Computational Intelligence 902 SCI, pp. 221-233 – **5т.**
2. G. Gadzhev 2018, **RECURRENCE OF AIR QUALITY FOR THE CITY OF SOFIA FOR 2013 AND 2014**, Bulgarian Geophysical Journal, 2018, Vol. 41 – **2т.**
3. Gadzhev, G. (2020). **Preliminary Results for the Recurrence of Air Quality Index for the City of Sofia from 2008 to 2019**. Proceeding of 1st International Conference on Environmental Protection and Disaster RISKS, 2020, p. 53-64. <https://doi.org/10.48365/ENVR-2020.1.5> - **2т.**
4. Gadzhev, G. (2021), **The Seasonal Recurrence of Air Quality Index for the Period 2008–2019 Over the Territory of Sofia City**, Studies in Systems, Decision and Control 361, pp. 161-170, DOI10.1007/978-3-030-70190-1_11 – **5т.**
5. Gadzhev, G., Ganey, K. (2021), **Computer simulations of air quality and bioclimatic indices for the city of Sofia**, Atmosphere 12(8),1078, DOI10.3390/atmos12081078 - **5т.**

V. ПОКАЗАТЕЛ Е - Сума от показателите от 13 до края – 30 т.

Участие в национален научен или образователен проект:

V.1. ДО1-230/06.12.2018 - НАЦИОНАЛНА НАУЧНА ПРОГРАМА Опазване на околната среда и намаляване на риска от неблагоприятни явления и природни бедствия; „Регионални/локални характеристики на климата на страната“, договор № ДСД-4 от 25.02.2019 ДСД-4 (РП.1) – **10 т.**

V.2. “Оценка и анализ на климатичните промени в регионални/локални мащаби и някои последствия от тях”, договор № ДН14/3 от 13.12.2017г. с ФНИ – **10т.**

V.3. „Изследване влиянието на характеристиките на въздушната среда върху качеството на живот и човешкото здраве“, договор №ДН04/2 от 13.12.2016г. с ФНИ – **10т.**

София, 27.05.2022 г.

С уважение:



/гл. ас., д-р Ивелина Георгиева/