

ПРОФЕСИОНАЛНА АВТОБИОГРАФИЯ

Лична информация

Име Ивелина Христова Георгиева
Академична длъжност: Главен Асистент
Научна степен: Доктор
Националност: Българка
Дата на раждане: 21.02.1987г.

Месторабота и служебен адрес:

Национален институт по геофизика, геодезия и география, БАН
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Образование и научни степени:

08.2012г. – 2017 г. Доктор в направление „Физика на океана, атмосферата и околното пространство“
предстои процедура по защита през май 2017г.
2010 г. – 2012 г. Магистър по Метеорология във Физическия Факултет на СУ "Св. Климент Охридски"
2006 г.- 2010 г. Бакалавър по Физика във Физическия Факултет на СУ "Св. Климент Охридски"

Заемани длъжности:

- Дати (от-до) 2017- до момента
- работодател НИГГГ, Департамент Геофизика, БАН
- длъжност Главен Асистент

- Дати (от-до) 2015- 2017
- работодател НИГГГ, Департамент Геофизика, БАН
- длъжност Асистент

- Дати (от-до) 2012 г. - 2015
- работодател НИГГГ, Департамент Сеизмология, БАН
- длъжност Техник - Геофизик

- Дати (от-до) 2010 г.– 2012г.
- работодател НИГГГ, Департамент Геофизика, Секция Физика на Атмосферата, БАН
- длъжност Метеоролог

- Дати (от-до) 2009г.– 2010г.
- работодател НИГГГ, Департамент Геофизика, Секция Физика на Атмосферата, БАН
- длъжност Технически сътрудник

Владеене на чужди езици:

Английски (добро)

Научни награди и членство в научни организации:

Членство в „Българско Метеорологично общество“ (БМО)

Членство в „Европейското Метеорологично Общество“ (EMS)

Членство в Дружество на геофизиците в България

Членство в Европейска Асоциация по Изучаване Замърсяването на Въздуха

Лични стипендии и грантове

1. Стипендиант на Световната Федерация на Учените; "Study of the influence of the air environment on quality of life and human health" (2015-2016) - World Federation of Scientists
2. Стипендия за научен обмен Еразъм + (2016)
3. Награда за най-успешен проект, финансиран по "Програма за подпомагане на млади учени и докторанти в БАН - 2017г"

Професионални интереси и изследователски опит:

Основна област и подобласти на научни изследвания:

Локални процеси на пренос и химични трансформации в атмосферата

Числено моделиране на физическите процеси в атмосферата в локални и регионални мащаби;

Мезо-мащабни процеси в атмосферата и тяхното влияние върху циркулацията в регионални и локални мащаби.

Индекс за качество на въздуха и качество на живот

Допълнителни области и подобласти на научни изследвания:

Метеорологични модели (WRF, RegCM), химичен модел за пренос на замърсители (CMAQ)

Суперкомпютърни и ГРИД изчисления

Климат на замърсяване

Градски климат

Емисии

Участия в конференции и научни форуми и мероприятия

1. 13th International Conference on Large-Scale Scientific Computations June 7 - 11, 2021, Sozopol, Bulgaria
2. 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021
3. ITM 2021 International Technical Meeting On Air Pollution Modelling And Its Application 18 - 22 October 2021| Barcelona, Spain
4. Large-Scale Scientific Computing. LSSC 2019
5. 19th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Harmo 2019, 2019
6. EMS Annual Meeting: European Conference for Applied Meteorology and Climatology 2018, 3–7 September 2018, Budapest, Hungary.
7. International Conference on „Numerical Methods for Scientific Computations and Advanced Applications“ May 28 – May 31, 2018, Hissarya (NMSCAA 2018)
8. European Geosciences Union General Assembly 2018 Vienna, Austria, 8–13 April 2018.
9. International conference “e-Infrastructures for excellent science in Southeast Europe and Eastern Mediterranean” 15-16 May 2018 Sofia, Bulgaria
10. Workshop “Two Years Avitohol: Advanced HPC applications”, 29-31 October 2017, Panagyurishte, Bulgaria.
11. 18th International Conference on Harmonisation within Atmospheric Dispersion Modelling for

- Regulatory Purposes - 9-12 October 2017, Bologna, Italy.
12. Tenth International Conference on "Large Scale Scientific Computations", June 5-9, 2017, Sozopol, Bulgaria;
 13. 17th IEEE International Conference on Smart Technologies IEEE EUROCON 2017, 6–8 July 2017, Ohrid, Macedonia,
 14. Трети национален конгрес по физически науки София, 29 септември – 2 октомври 2016 год.;
 15. International Dissemination Event: Workshop on REQUA Model, 17-19 September 2016, Thessaloniki, Greece
 16. Erasmus+ Mobility Training, 18-27.09.2016, Солун, Гърция
 17. COST Action TD1105 - New Sensing Technologies for Air-Pollution Control and Environmental Sustainability - Fifth Scientific Meeting, organized by Bulgarian Academy of Sciences, Sofia, 16-18 December 2015;
 18. 15th EMS Annual Meeting & 12th European Conference on Applications of Meteorology (ECAM) | 07–11 September 2015 | Sofia, Bulgaria;
 19. 16th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes - 8-11 September 2014, Varna, Bulgaria;
 20. International conference on numerical methods for scientific computations and advanced applications - 19-22 May 2014, Bansko, Bulgaria;
 21. Работна среща по проект " "Суперкомпютърни приложения" SuperCA++ - 28-30 септември 2014, Созопол, България
 22. "NCAR-NCAS WRF/WRF-Chem Workshop and Tutorial 2013" - York, England - 07-13 October 2013
 23. Лятно училище - MACC-II "Modeling and Forecasting of Atmosphere Composition at Different Scales" - Anglet, France 09-16 June 2013

Научни публикации

Автореферати – 1

Научни публикации в международни списания и поредици, включително такива с импакт-фактор – **20**

Доклади в сборници на международни конференции (в пълен текст) – **13**

Импакт-фактор на публикациите: 2.02

Списък публикации

Автореферати:

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”

Публикации:

1. **Georgieva, I.**, (2014) *Air Quality Index Evaluations for Bulgaria*, Proc. of the international conference on numerical methods for scientific computations and advanced applications, may 19-22, 2014, Bansko, p. 39-42.
2. Georgi Gadzhev, Kostadin Ganev, Dimiter SYRAKOV, Maria Prodanova, **Ivelina Georgieva**, Georgi Georgiev, Computer simulations of the atmospheric composition climate of Bulgaria, Física de la Tierra Vol. 27 (2015) 171-189 https://doi.org/10.5209/rev_FITE.2015.v27.51199
3. **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 – **IF(0.54)**
4. **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
5. **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.
6. **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*.
7. **Georgieva, I.**, Gadzhev, G., Ganev, 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**.
8. **Georgieva, I.**, Gadzhev, G., Ganev, 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)**
9. **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).

10. Georgi Gadzhev, **Ivelina Georgieva**, Kostadin Ganev 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).
11. **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 – **IF(0.54)**
12. Georgi Gadzhev, **Ivelina Georgieva**, Kostadin Ganev 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– **IF((0.54)**
13. Georgi Gadzhev, **Ivelina Georgieva**, Kostadin Ganev, 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:18951767, DOI:10.12694/scpev19i2.1347, **SJR:0.18**.
14. **Ivelina Georgieva**, Georgi Gadzhev, Kostadin Ganev, 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**
15. **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.
16. **Georgieva I., Gadzhev G., Ganev 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
17. **Georgieva I., Gadzhev G., Ganev 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, DOI:10.1007/978-3-030-41032-2_26, 228-236. SJR (Scopus):0.283
18. **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. 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>
20. **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,

21. **Georgieva I.**, Gadzhev G., Ganев 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
22. **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
23. **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

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

1. **Georgieva, I.**, Gadzhev, G., Ganев, 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
2. **Georgieva, I.**, Gadzhev, G., Ganев, 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.
3. **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*.
4. **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).
5. Georgi Gadzhev, **Ivelina Georgieva**, Kostadin Ganев 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, (2018).
6. **Georgieva, I.**, Gadzhev, G., Ganев, K., Melas, D., Wang, T., *HPC simulations of the atmospheric composition in Bulgaria and the city of Sofia*, (2018) Cybernetics and Information Technologies (CIT) pp. 37-48 DOI 10.1515/cait-2017-0053, SJR:0.203.
7. **Georgieva, I.**, Gadzhev, G., Ganев, 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_52SJR:0.339.

8. Georgi Gadzhev, Ivelina Georgieva, Kostadin Ganev, 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.
9. **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.
10. **Georgieva I.**, Gadzhev G., Ganev 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
11. Dimitrova, R., **Ivanova, I.**, Levi, V., Velizarova, M. *Study the impact of better representation of orography and land-use properties on surface concentration for events with PM elevated levels in Sofia region*. 9th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Harmo 2019, 2019
12. **Georgieva I.**, Gadzhev G., Ganev 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, DOI:10.1007/978-3-030-41032-2_26, 228-236. SJR (Scopus):0.283
13. **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>

Списък на забелязаните цитати:

Списък на забелязаните цитати: 33бр.

Цитати от 11 източника на 10 статии:

h-index: 3

1. Georgieva, I. 2014, *Study of the air quality index climate for Bulgaria*, Proc. Of the International conference on numerical methods for scientific computations and advanced applications, May 19-22, 2014, Bansko, ISBN978-954-91700-7-8, 39.-42

Цитирана 5 пъти:

1. Gadzhev, G., & Ivanov, V. (2020). *Modelling of the Sulphur and Nitrogen Depositions over the Balkan Peninsula by CMAQ and EMEP-MSC-W – Preliminary Results. Proceeding of 1st International Conference on Environmental Protection and Disaster RISKS, 2020*, p. 90-100. <https://doi.org/10.48365/ENVR-2020.1.8>
2. G. Gadzhev 2018, *RECURRENCE OF AIR QUALITY FOR THE CITY OF SOFIA FOR 2013 AND 2014*, Bulgarian Geophysical Journal, 2018, Vol. 41
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>
4. 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
5. Gadzhev, G. and Ivanov, V., (2021) *Modelling of the Seasonal Sulphur and Nitrogen Depositions over the Balkan Peninsula by CMAQ and EMEP-MSC-W*, Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control 361, https://doi.org/10.1007/978-3-030-70190-1_12

2. 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.

3. 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
 2. G. Gadzhev (2018), *RECURRENCE OF AIR QUALITY FOR THE CITY OF SOFIA FOR 2013 AND 2014*, Bulgarian Geophysical Journal, 2018, Vol. 41
 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>
-

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

4. 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 8 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
2. G. Gadzhev 2018, **RECURRENCE OF AIR QUALITY FOR THE CITY OF SOFIA FOR 2013 AND 2014**, Bulgarian Geophysical Journal, 2018, Vol. 41
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>
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
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
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.
7. Gadzhev, G and Ganev, K, (2021) Computer Simulations of Air Quality and Bio-Climatic Indices for the City of Sofia | Atmosphere 2021, 12(8), 1078; <https://doi.org/10.3390/atmos12081078>
8. 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>

5. 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 6 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
 2. G. Gadzhev 2018, **RECURRENCE OF AIR QUALITY FOR THE CITY OF SOFIA FOR 2013 AND 2014**, Bulgarian Geophysical Journal, 2018, Vol. 41
 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>

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
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7. **Georgieva, I., Ivanov, V.: Computer simulations of the impact of air pollution on the quality of life and health risks in Bulgaria.** Int. J. Environ. Pollut. 64(1/3), 35–46 (2018)

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1. 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
2. Gadzhev, G., Ganev, K., (2021) **Computer simulations of air quality and bio-climatic indices for the city of sofia**, Atmosphere 12(8),1078, DOI10.3390/atmos12081078
3. 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, DOI 10.1007/978-3-030-55347-0_19
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8. **Georgieva, I.; Miloshev, N. Computer Simulations of PM Concentrations Climate for Bulgaria.** In Proceedings of the International Conference on “Numerical Methods for Scientific Computations and Advanced Applications” (NMSCAA’18), Hissarya, Bulgaria, 28–31 May 2018; pp. 46–49.

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Участие в национални изследователски проекти:

Изготвянето на експертиза	Участник в екипи	Екологична оценка на проекта СТРАТЕГИЯ ЗА УСТОЙЧИВО ЕНЕРГИЙНО РАЗВИТИЕ НА РЕПУБЛИКА БЪЛГАРИЯ ДО 2030 ГОДИНА С ХОРИЗОНТ и на проект ИНТ. ПЛАН В ОБЛАСТТА НА ЕНЕРГЕТИКАТА И КЛИМАТА НА РЕПУБЛИКА БГ 2021-2030
Изготвянето на експертиза	Участник в екипи	Екологична оценка на Национален план за възстановяване и устойчивост на РЕПУБЛИКА БЪЛГАРИЯ
текущ	Участник в проекта	Динамични процеси и турбулентна дифузия в планетарния граничен слой на атмосферата
2020-2021	Участник в проекта	Разпределение на националните и секторни емисии на вредни вещества във въздуха за 2019 г. (докладване 2021 г.) на територията на страната в квадрати с дължина 0.1x0.1 градуса, съгласно изискванията на Конвенцията за трансгранично замърсяване на въздуха на далечни разстояния 3971/09.12.2020 ЕМИСИИ ЕМЕР 2019
2018-2023	Участник в проекта	Национален център за високопроизводителни и разпределени пресмятания, договор № 0901-102
2018-2023	Участник в проекта	„Център за върхови постижения по Информатика и информационни и комуникационни технологии“, договор № BG05M2OP001-1.001-00
2018-	Участник в проекта	„НАЦИОНАЛЕН ГЕОИНФОРМАЦИОНЕН ЦЕНТЪР“, договор № ДО1-161/28.08.2018 г
2018-2023	Участник в проекта	„Регионални/локални характеристики на климата на страната“, договор № ДСД-4 от 25.02.2019 ДСД-4 (РП.1)
2018-2023	Участник в проекта	„Качеството на живот в страната“, договор ДСД-4 от 25.02.2019 ДСД-4 (РП.5)
2017-	Участник в проекта	“Оценка и анализ на климатичните промени в регионални/локални мащаби и някои последствия от тях”, договор № ДН14/3 от 13.12.2017г. с ФНИ
2017 - 2019	Ръководител на проекта	„Замърсяване на атмосферния въздух с фини прахови частици (ФПЧ) – анализ на резултатите от компютърни симулации.” договор № ДФНП-17-105/от 28.07.2017 Програма за подпомагане на млади учени и докторанти на БАН – 2017 г.
2016 –	Участник в проекта	„Изследване влиянието на характеристиките на въздушната среда върху качеството на живот и човешкото здраве“ , договор №ДН04/2 от 13.12.2016г. с ФНИ
2016 –	Участник в проекта	Сервизно обслужване на сървъра на Системата за прогнозиране нивата на тропосферен озон в атмосферния въздух – договор № 3212/23.03.2016г. между ИАОС и

		НИГГГ-БАН
2015 -	Участник в проекта	Европейски Социален Фонд 2007 – 2013, Оперативна Програма „Развитие Човешките Ресурси" EU 7FP,2013-2015 BG051PO001-3.3.06-0063
2014 – 2015	Участник в проекта	Проект за съфинансиране на научен проект „PASODOBLE”, договор № Д01–206/21.07.2014 с МОН
2014 - 2015	Участник в проекта	Сервизно обслужване на сървъра на Системата за прогнозиране нивата на тропосферен озон в атмосферния въздух – договор № 2938/27.11.2014 г. между Изпълнителна Агенция Околна Среда и НИГГГ-БАН
2013–2014	Участник в проекта	Сервизно обслужване на сървъра на Системата за прогнозиране нивата на тропосферен озон в атмосферния въздух – договор № 2649/22.11.2013 г. между Изпълнителна Агенция Околна Среда и НИГГГ-БАН
2012–2013	Участник в проекта	Сервизно обслужване на сървъра на Системата за прогнозиране нивата на тропосферен озон в атмосферния въздух – договор № 2334/15.06.2012 г. между Изпълнителна Агенция Околна Среда и НИГГГ-БАН
2012-2014	Участник в проекта	Black Sea Earthquake Safety Net(work)-ESNET (MIS code: 250/1.2.1.65963.80) по Съвместна оперативна програма Черноморски басейн,
2012-2015	Участник в проекта	Регистрация, анализ, обработка и интерпретация на сеизмологична информация от Локална сеизмична мрежа (ЛСМ) в района на АЕЦ Козлодуй.
2010 – 2014	Участник в проекта	SuperCA++, договор ДЦВП-02/ 1 от 29.12.2009 с ФНИ-МОН

Участие в международни изследователски проекти:

2015 – 2018	Участник в проекта;	VRE for regional Interdisciplinary communities in Southeast Europe and the Eastern Mediterranean (VI-SEEM), Horizon 2020 project 675121
2013 – 2018	Участник в проекта	Regional climate-air quality interactions (REQUA), Call: FP7-PEOPLE-2013-IRSES, Grant Agreement Number: PIRSES-GA-2013-612671
2010 – 2014	Участник в проекта	EC-FP7 "European Grid Initiative: Integrated Sustainable Pan-European Infrastructure for Researchers in Europe " – EGI-InSPIRE, Grant agreement no: 261323



Гл.ас.д-р Ивелина Георгиева /...../

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