Справка минимални изисквания на НИГГГ към научната и преподавателската дейност на кандидатите за заемане на академичната длъжност „професор“ по Област 4. Природни науки, математика и информатика, Професионално направление 4.4. Науки за земята

за участие в конкурс за заемане на академична длъжност „професор“ по професионално направление 4.4. Науки за Земята, „Физика на океана, атмосферата и околоземното пространство“, обявен в Държавен вестник бр. 26 от 01 Април 2022 г.

от доц. д-р Георги Костадинов Гаджев

Група от показатели	Съдържание	Изисквания за Професор	Представени от кандидатът точки
А	Показател 1	50	50
В	Показатели 3 или 4	100	129
Г	Сума от показателите от 5 до 9	220	220,17
Д	Сума от показателите от 10 до 12	120	125
Е	Сума от показателите от 13 до края	150	230

Показател А: Дисертационен труд за присъждане на образователна и научна степен „доктор“ **(50 т.):**

1. **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

Показател В4: Хабилитационен труд – научни публикации (не по- малко от 10) в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация Scopus, Web of Science, ERIH+ **(129 т.):**

1. 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 https://doi.org/10.1007/s12145-010-0072-1 **(IF: 1.208) Q3 – *6 т.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-78449238328&origin=resultslist&sort=plf-f&src=s&sid=784ecf2eb283ae8610bc5e1697865d60&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836160939600%29&relpos=28&citeCnt=9&searchTerm=

2. **Gadzhev, G.K.,** Ganev, K.G., Miloshev, N.G., Syrakov, D.E., Prodanova, M., *Numerical study of the atmospheric composition in Bulgaria,* Computers and Mathematics with

Applications, (2013), 65 (3), pp. 402-422. https://doi.org/10.1016/j.camwa.2012.07.002 ((**IF 1.472) Q1– *12 m.***
https://www.scopus.com/inward/record.uri?eid=2-s2.0-84872612261&partnerID=40&md5=3ee7d13228dddaefce76f44a1a1e6813

3. Ivelina Georgieva, **Georgi Gadzhev**, Kostadin Ganev, Dimitris Melas, Tijian Wang. *High Performance Computing Simulations of the Atmospheric Composition in Bulgaria and the City of Sofia*. CYBERNETICS AND INFORMATION TECHNOLOGIES, Volume 17, No 5, 2017, pp. 37-48, (**SJR:0.204) – *12 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85038614187&origin=resultslist&sort=plf-f&src=s&sid=319ee50413bbf89d81554a29d4f5788b&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836160939600%29&relpos=5&citeCnt=0&searchTerm=

4. **Gadzhev, G.,** Georgieva, I., Ganev, K., and Miloshev, N. *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, 2018, pp. 47–57 https://doi.org/10.1504/IJEP.2018.099146 **(IF: 0.639) Q4 – *15 m.***
https://www2.scopus.com/record/display.uri?eid=2-s2.0-85065602313&origin=resultslist&sort=plf-f&src=s&sid=b744d758b73797c2b8236102081b636c&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836160939600%29&relpos=1&citeCnt=0&searchTerm=

5. 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, https://doi.org/10.2478/cait-2020-0070 **(SJR: 0.272) – *12 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85099682309&origin=resultslist&featureToggles=FEATURE_VIEW_PDF:1

6. Hristo Chervenkov, **Georgi Gadzhev,** Vladimir Ivanov and Kostadin Ganev , *Trend Analysis of CMIP5 Ensemble of Climate Indices over Southeast Europe with Focus on Agricultural Impacts*, CYBERNETICS AND INFORMATION TECHNOLOGIES, Volume 20, No 6, (2020), ISSN:1311-9702, pp. 155-165, https://doi.org/10.2478/cait-2020-0069 **(SJR: 0.272) – *15 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85099704389&origin=resultslist&featureToggles=FEATURE_VIEW_PDF:1

7. **Gadzhev G.,** Ivanov V., Valcheva R., Ganev K., Chervenkov H., *HPC Simulations of the Present and Projected Future Climate of the Balkan Region*, HPC 2019, SCI 902, (2021), pp. 234-248, https://doi.org/10.1007/978-3-030-55347-0_20 **(SJR: 0.215) – *12 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85090544887&origin=resultslist&sort=plf-f&src=s&sid=14fe3f4bdd37334b31b0a5106da75189&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836160939600%29&relpos=2&citeCnt=0&searchTerm=

8. Ivanov V., Chervenkov H., **Gadzhev G.,** Ganev K. *DEGREE-DAYS AND AGRO-METEOROLOGICAL INDICES IN PROJECTED FUTURE CLIMATE OVER SOUTHEAST EUROPE*, SGEM 2020, Vol 20, N 4.1, ISBN:978-619-7603-09-5, ISSN:1314-2704, pp. 373-380 https://doi.org/10.5593/sgem2020/4.1/s20.047 **(SJR: 0.217) – *15 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85099783392&origin=resultslist&featureToggles=FEATURE_VIEW_PDF:1

9. Ivanov V., **Gadzhev G.,** Ganev K., Chervenkov H. *Sensitivity of the simulated Heat Risk in Southeastern Europe to the RegCM Model Configuration - preliminary results.* In: I. Lirkov and S. Margenov (Eds.): LSSC 2019, LNCS 11958, pp. 340–347, 2020. https://doi.org/10.1007/978-3-030-41032-2_39 **(IF: 0.302) Q4– *15 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85081125231&origin=resultslist&sort=plf-f&src=s&sid=67f4ebf7c97862ed12ae77959ecef847&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836160939600%29&relpos=1&citeCnt=0&searchTerm

10. Georgieva I., **Gadzhev G.,** Ganev K., Miloshev N. *Process Analysis of Atmospheric Composition Fields in Urban Area (Sofia City).* In: I. Lirkov and S. Margenov (Eds.): LSSC 2019, LNCS 11958, pp. 228–236, 2020. https://doi.org/10.1007/978-3-030-41032-2_26 **(IF: 0.302) Q4– *15 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85081117226&origin=resultslist&sort=plf-f&src=s&sid=67f4ebf7c97862ed12ae77959ecef847&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836160939600%29&relpos=2&citeCnt=0&searchTerm

Показател Г7: Научна публикация в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация **(153,32 т.):**

1. Gadzhev G., Ganev K., Mukhtarov P. *Statistical Moments Of The Vertical Distribution Of Air Pollution Over Bulgaria.* I. Lirkov and S. Margenov (Eds.): LSSC 2019, LNCS 11958, pp. 213–219, 2020. https://doi.org/10.1007/978-3-030-41032-2_24 **(IF: 0.302) Q4– *13,33 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85081132993&origin=resultslist&sort=plf-f&src=s&sid=67f4ebf7c97862ed12ae77959ecef847&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836160939600%29&relpos=0&citeCnt=0&searchTerm

2. Gadzhev G., Ganev K., Mukhtarov P. *HPC Simulations of the Atmospheric Composition Bulgaria's Climate (on the example of coarse particulate matter pollution),* HPC 2019, SCI 902, pp. 221-233, (2021) https://doi.org/10.1007/978-3-030-55347-0_19 **(SJR: 0.215) – *13,33 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85090532073&origin=resultslist&sort=plf-f&src=s&sid=14fe3f4bdd37334b31b0a5106da75189&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836160939600%29&relpos=1&citeCnt=0&searchTerm=

3. Ivanov V., Valcheva R., **Gadzhev G.**, *HPC Simulations of the Extreme Thermal Conditions in the Balkan Region with RegCM4*, HPC 2019, SCI 902, pp. 309-324, (2021) https://doi.org/10.1007/978-3-030-55347-0_27 **(SJR: 0.215) – *13,33 m***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85090545638&origin=resultslist&sort=plf-f&src=s&sid=14fe3f4bdd37334b31b0a5106da75189&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836160939600%29&relpos=0&citeCnt=0&searchTerm=

4. 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 **(SJR: 0.135) – *40 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85108215773&origin=resultslist&featureToggles=FEATURE_VIEW_PDF:1

5. 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 **(SJR: 0.135) – *20 m.***
https://www.scopus.com/record/display.uri?eid=2-s2.0-85108206425&origin=resultslist&featureToggles=FEATURE_VIEW_PDF:1

6. Hristo Chervenkov, **Georgi Gadzhev,** Vladimir Ivanov and Kostadin Ganev, *Assessment of the Joint Quantiles of Temperature and Precipitation in CMIP5 Future Climate Projections over Europe*, Dobrinkova and G. Gadzhev (eds.), Environmental Protection and

Disaster Risks, Studies in Systems, Decision and Control 361, (2021), pp. 31 – 42, https://doi.org/10.1007/978-3-030-70190-1_3 **(SJR: 0.135) – *10 m.***

https://www.scopus.com/record/display.uri?eid=2-s2.0-85108238507&origin=resultslist&featureToggles=FEATURE_VIEW_PDF:1

7. Hristo Chervenkov, **Georgi Gadzhev,** Vladimir Ivanov and Kostadin Ganev, *Degree-days and Agro-meteorological Indices in CMIP5 RCP8.5 Future Climate - Results for Central and Southeast Europe*, Dobrinkova and G. Gadzhev (eds.), Environmental Protection and Disaster Risks, Studies in Systems, Decision and Control 361, (2021), pp. 19 – 30, https://doi.org/10.1007/978-3-030-70190-1_2 **(SJR: 0.135) – *10 m.***

https://www.scopus.com/record/display.uri?eid=2-s2.0-85108191589&origin=resultslist&featureToggles=FEATURE_VIEW_PDF:1

8. 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 **– *13,33 m.***

9. Gadzhev, G.; Ganev, K. *Computer Simulations of Air Quality and Bio-Climatic Indices for the City of Sofia.* Atmosphere, 2021, 12, 1078. https://doi.org/10.3390/atmos12081078 **(IF: 2.686) Q2 – *20 m.***

https://www.scopus.com/record/display.uri?eid=2-s2.0-85113983254&origin=resultslist&featureToggles=FEATURE_VIEW_PDF:1

Показател Г8: Научна публикация в нереферирани списания с научно рецензиране или в редактирани колективни томове **(66,85 т.):**

1. Todorova A., K. Ganev, D. Syrakov, M. Prodanova, G. Georgiev, N. Miloshev, **G. Gadjhev**, 2010. *Bulgarian Emergency Response System for Release of Hazardous Pollutants – Design and First Tests.* Proc. of 19th Int. Conf. Ecology&Safety, June 2010, Sl.Brjag, Bulgaria, Ecology and Safety. Int. Scientific Publications, ISSN 1313-2563, Vol.4, pp.103-118. **– *2,85 m.***

2. Gadzhev G., Ganev K., Syrakov D., Prodanova M., Miloshev N., 2014. *Computer simulations of the atmospheric composition climate of Bulgaria - some basic results,* Proc. of the international conference on numerical methods for scientific computations and advanced applications, may 19-22, 2014, Bansko, pp. 35-38, ISBN978-954-91700-7-8. **– *4 m.***

3. Gadzhev, G., *Recurrence of Air Quality for the city of Sofia for 2013 and 2014*, Bulgarian Geophysical Journal, Vol.41, 2018, pp. 46–58 **– *20 m.***
http://www.niggg.bas.bg/aboutus/periodicalsbg/bulgarian-geophysical-journal/2018-vol-41/

4. 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 **– *20 m.***

5. 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 **– *10 m.***

6. Hristo Chervenkov, Vladimir Ivanov, **Georgi Gadzhev** and Kostadin Ganev, *Assessment of the FUTURE CLIMATE over Southeast Europe based on CMIP5 ensemble of climate indices – Part One: Results and discussion*, Proceeding of 1st International conference on ENVIROnmental

protection and disaster RISKs, 29-30 September 2020, Sofia, Bulgaria, ISBN 978-619-7065-38-1, pp. 144 – 156, https://doi.org/10.48365/envr-2020.1.13 **– *5 m.***

7. Hristo Chervenkov, Vladimir Ivanov, **Georgi Gadzhev** and Kostadin Ganev, *Assessment of the FUTURE CLIMATE over Southeast Europe based on CMIP5 ensemble of climate indices – Part Two: Results and discussion.*, (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. 157 – 169, https://doi.org/10.48365/envr-2020.1.14 **– *5 m.***

Показател Д10: Цитирания или рецензии в научни издания, реферирани и индексирани в световноизвестни бази данни (Scopus, Web of Science, ERIH+) с научна информация или в монографии и колективни томове **(125 т.):**

1. 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. **(IF: 0.302) Q4**

Цитирана 6 пъти (*25 m.*) в:

1. *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 m.***

2. *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* ***– 5 m.***

3. *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* ***– 5 m.***

4. *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* ***5 m.***

5. *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* ***– 5 m.***

2. **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. https://doi.org/10.1016/j.camwa.2012.07.002 **(IF 1.472) Q1**

Цитирана 9 пъти (*45 m.*) 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 m.***

7. *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* ***– 5 m.***

8. *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* ***– 5 m.***

9. *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* ***– 5 m.***

10. *Ivanov, V. and Georgieva, I., (2017) Air quality index evaluations for Sofia city, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings* ***– 5 m.***

11. *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), https://doi.org/10.1007/s11270-014-2239-8* ***– 5 m.***

12. *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. https://doi.org/10.1007/978-3-662-43880-0_58* ***– 5 m.***

13. *Hristova, R., Goranov, G. (2013) User-level framework for performance monitoring of HPC applications. AIP Conference Proceedings, 1561, pp. 144-152. https://doi.org/10.1063/1.4827223* ***– 5 m.***

14. *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.* ***– 5 m.***

3. 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) Q3**

Цитирана 11 пъти (*55 m.*) в:

15. *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* ***– 5 m.***

16. *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., https://doi.org/10.1080/17538947.2021.1949400* ***– 5 m.***

17. *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* ***– 5 m.***

18. *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* ***– 5 m.***

19. *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, https://doi.org/10.1016/j.envsoft.2018.11.002* ***– 5 m.***

20. *Ivanov, V. and Georgieva, I., (2017) Air quality index evaluations for Sofia city, 17th IEEE International Conference on Smart Technologies, EUROCON 2017 - Conference Proceedings* ***– 5 т.***

21. *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, https://doi.org/10.1080/17538947.2015.1131340* ***– 5 т.***

22. *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, https://doi.org/10.1016/j.isprsjprs.2015.11.002* ***– 5 т.***

23. *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. https://doi.org/10.5194/gmd-8-2067-2015* ***– 5 т.***

24. *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. https://doi.org/10.1007/s12665-015-4270-5* ***– 5 т.***

25. *Leelőssy, 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. https://doi.org/10.2478/s13533-012-0188-6* ***– 5 т.***

Показател Е15: Участие в национален научен или образователен проект **(30 т.):**

1. 2018–продължава – Център за върхови постижения по Информатика и информационни и комуникационни технологии, договор № BG05M2OP001-1.001-00– ***10 т.***

2. 2018–продължава – „НАЦИОНАЛЕН ГЕОИНФОРМАЦИОНЕН ЦЕНТЪР“, договор № ДО1-161/28.08.2018 г – ***10 т.***

3. 2018–продължава – „Национален център за високопроизводителни и разпределени пресмятания“, договор № 0901-102 – ***10 т.***

Показател Е16: Участие в международен научен или образователен проект **(160 т.):**

1. 2004–2007 г. – Quantifying the Climate Impact of Global and European Transport Systems (QUANTIFY) – EU 6FP Contract 003893 (GOCE) ***– 20 т.***

2. 2006–2010 г. – NATO SfP project ESP.EAP.SFPP 981393 “Modelling System for Emergency Response to the Release of Harmful Substances in the Atmosphere” ***– 20 т.***

3. 2006–2009 г. – Оценка на ефектите и уязвимостта от климатични промени в Централна и Източна Европа (CECILIA) – EC 7FP Contract № 037005 ***– 20 т.***

4. 2007–2009 г. –SEE–GRID eInfrastructure for regional eScience – SEE–GRID–SCI – FP7 Research Infrastructures Contract: № 211338 ***– 20 т.***

5. 2010–2014 г. – EC–FP7 "European Grid Initiative: Integrated Sustainable Pan–European Infrastructure for Researchers in Europe " – EGI–InSPIRE, Grant agreement no: 261323 ***– 20 т.***

6. 2010–2013 г. – Promote Air Quality Services integrating Observations –Development Of Basic Localised Information for Europe, 7FP 241557 ***– 20 т.***

7. 2013–2017 г. – Regional climate–air quality interactions (REQUA), Call: FP7–PEOPLE–2013–IRSES, Grant Agreement Number: PIRSES–GA–2013–612671 ***– 20 т.***

8. 2015–2018 г. – VRE for regional Interdisciplinary communities in Southeast Europe and the Eastern Mediterranean (VI–SEEM), Horizon 2020 project 675121 ***– 20 т.***

Показател Е17: Ръководство в национален научен или образователен проект **(40 т.):**

1. 2016–2017 г. – Програмата за подпомагане на младите учени в БАН „Компютърни симулации на регионалния климат в България – към формулирането на национална стратегия и план за действие за адаптация към климатичните промени“ ***– 20 т.***

2. 2019–продължава – „Регионални/локални характеристики на климата на страната“, ръководител на **РПІ.1**, и координатор за НИГГГ-БАН на **РПІ.5** „Качеството на живот в страната“ на Национална научна програма (ННП) „Опазване на околната среда и намаляване на риска от неблагоприятни явления и природни бедствия“, одобрена с Решение на МС № 577/17.08.2018 г. и финансирана от МОН (Споразумение № Д01-279/03.12.2021) ***– 20 т.***

гр. София
18.05.2022 г.

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