

СПИСЪК НА НАУЧНИТЕ ПУБЛИКАЦИИ

за участие в конкурс за академична длъжност „доцент” в професионално направление
4.4. Науки за Земята по научна специалност “Земен магнетизъм и гравиметрия”
от гл. ас. д-р **Методи Иванов Методиев**

I. ПУБЛИКАЦИИ ПО КОНКУРСА

A1. Дисертационен труд за присъждане на образователна и научна степен „доктор“

Методи Методиев (2017) Регионални особености на динамиката на геомагнитното поле на територията на Балканския полуостров, Автореферат, НИГГГ-БАН

B4. Научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация Scopus, Web of Science, ERIH+

- B4-1 Petya Trifonova, Stela Simeonova, Dimcho Solakov, Metodi Metodiev (2012) Exploring Seismicity in Bulgaria Using Geomagnetic and Gravity Data, Compt. Rend. Bulg. Acad. Sci., v.65, N5, 653-661
- B4-2 D. Solakov, M. Metodiev, S. Simeonova and P. Trifonova, Population exposure index – an element of seismic risk assessment DOI: 10.3997/2214-4609.201902659, 10th Congress of the Balkan Geophysical Society, Sofia, 2019
- B4-3 P. Stavrev, S. Dimovski, A. Kisyov, P. Trifonova and M. Metodiev, Regional mapping of geophysical and geological data in the process of their integrated analysis and interpretation, DOI: 10.3997/2214-4609.201902632, 10th Congress of the Balkan Geophysical Society, Sofia, 2019
- B4-4 Solakov, D., Trifonova, P., Metodiev, M., Simeonova, S.. GIS based analysis for evaluation of human risk due to earthquakes in Bulgaria. International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 20, 1.2, 2020, ISBN:978-619-7603-05-7, ISSN:1314-2704, DOI:10.5593/sgem2020/1.2/s05.072, 567-574.
- B4-5 Dimitrova, L., Georgieva, G., Trifonova, P. Oinakov E., Protopopova V. and Metodiev M. (2020) Seismic sources and Earth structure in the transition zone between Fore-Balkan unit and Moesian platform, NE Bulgaria, Acta Geodaetica et Geophysica, pp. 1-20 <https://doi.org/10.1007/s40328-020-00288-3>
- B4-6 Trifonova, P., Solakov, D., Simeonova, S., Metodiev, M., & Balan, S. F. (2021). Seismic scenario and people exposure for Blagoevgrad region, Bulgaria, Studies in Systems, Decision and Control, Volume 361, Pages 293 – 305, doi:10.1007/978-3-030-70190-1_20

- B4-7 Petya Trifonova, Metodi Metodiev Geomagnetic Events Recorded in PAG Observatory During the First Year of Solar Cycle 25. Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, p.1 - 5, 2021, DOI: <https://doi.org/10.3997/2214-4609.202149BGS20>
- B4-8 Petya Trifonova, Christan Tzankov, Metodi Metodiev. Importance of Using a Reference Base Station in Geomagnetic Surveys - Case Studies from Bulgaria. Conference Proceedings, 11th Congress of the Balkan Geophysical Society, Oct 2021, Volume 2021, p.1 - 5, 2021, DOI:<https://doi.org/10.3997/2214-4609.202149BGS21>
- B4-9 Solakov, D., Simeonova, S., Raykova P., Metodiev, M., Earthquake scenarios for the city of Plovdiv International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 21, 1.1, 2021, DOI:10.5593/sgem2021/1.1/s05.085, 459-466
- B4-10 Petya Trifonova, Liliya Dimitrova, Metodi Metodiev, Maria Chamati, Plamena Raykova. EARTHQUAKE EFFECTS RECORDED ON MAGNETOGRAM - WHERE, WHEN AND WHY. International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 21, 1.1, 2021, , DOI:10.5593/sgem2021/1.1/s05.084, 451-458

Г7. Научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация

- Г7-1 М. Metodiev, P. Trifonova (2016) Geophysical analysis of the Eastern Rhodope region, Compt. Rend. Acad.Sci, v. 69, № 5, 615-621
- Г7-2 Metodiev, M. and Trifonova, P., (2017) Bulgarian Geomagnetic Reference Field (BulGRF) for 2015.0 and secular variation prediction model up to 2020, Annales Geophysicae, 35, 5, pp 1085--1092, <https://www.ann-geophys.net/35/1085/2017/>, DOI 10.5194/angeo-35-1085-2017
- Г7-3 Metodiev, M., Trifonova, P.. GEOMAGNETIC FIELD ELEMENTS OF THE BULGARIAN TERRITORY FOR 2020.0 EPOCH. International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 20, 1.2, 2020, ISSN:1314-2704, DOI:10.5593/sgem2020/1.2/s05.069, 543-550.
- Г7-4 Metodi Metodiev. Local geomagnetic activity recorded on the Bulgarian territory for the Solar cycle 24. International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 2021, DOI:10.5593/sgem2021/1.1/s05.093, 509-518

Г8. Научна публикация в нереферирани списания с научно рецензиране или в редактирани колективни томове

- Г8-1 P. Trifonova, Cholakov I., Redzhov S., Metodiev M., Radev I. (2011) Sofia Airport Geomagnetic Survey, Bulg. Geophysical Journ., 37, 105-112
- Г8-2 P. Trifonova, M. Metodiev, I. Cholakov, S. Redzhov & I. Radev (2011) Geomagnetic Study for Determination of the Compass Calibration Site Suitability at the Sofia Airport, Proceedings of the 6th Congress of the Balkan Geophysical Society - Budapest ISBN 978-90-73834-16-3, EAGE 2011.
- Г8-3 Solakov, Dimcho, Stela Simeonova, Irena Alexandrova, Petya Trifonova, Metodi Metodiev (2011) Verification of seismic Scenario Using Historical Data-Case Study For The City Of Plovdiv, in Grutzner C., Perez-Lopes R., Steeger T. F., Papanikolaou, Reicherter K., Silva P. G., Vott (Edt.) Proceedings, Vol.2, 2nd INQUA-IGCP 567 International Workshop on Active Tectonics, Earthquake Geology, ISBN: 978-960-466-093-3, p. 239-242
- Г8-5 P. Trifonova, D.Solakov, S. Simeonova, M. Metodiev (2012) Black sea earthquake safety net(work) – ESNET, Bulgarian Geophys. Journal, vol.38, p. 44-50.
- Г8-4 Solakov, Dimcho, Stela Simeonova, Irena Alexandrova, Petya Trifonova, Metodi Metodiev (2011) Utilizing historical data for urban area (the city of Ruse) seismic scenario validation, Proceedings of the 6th Congress of the Balkan Geophysical Society - Budapest ISBN 978-90-73834-16-3, EAGE 2011.
- Г8-6 P. Trifonova, M. Metodiev (2012) Annual report of the observed geomagnetic activity in Panagyurishte observatory, Bulgarian Geophys. Journal, vol. 38, p. 51-78.
- Г8-7 M. Metodiev, P. Trifonova (2013) Characteristics of the 2012 geomagnetic activity recorded in Panagyurishte observatory, Proceedings of the Second National Congress of Physical Sciences, Sofia, 2013
- Г8-8 P. Trifonova, D. Solakov, S. Simeonova, M. Metodiev, and P. Stavrev, 2013, Regional pattern of the earth's crust dislocations on the territory of Bulgaria inferred from gravity data and its recognition in the spatial distribution of seismicity, Pattern Recogn. Phys., 1, p. 25-36, doi:10.5194/prp-1-25-2013
- Г8-9 M. Metodiev (2014) Modelling of declination's secular variation for the purposes of regional topographic mapping, Bulgarian Geophys. Journal, vol.40, p. 76-84
- Г8-10 M. Metodiev, P. Trifonova (2015) Geomagnetic activity for the last solar cycle recorded in PAG observatory, Proceedings of the 7th National Geophysical Conference, Sofia, 2015
- Г8-11 Petya Trifonova, Metodi Metodiev, Petar Stavrev, Stela Simeonova, Dimcho Solakov, 2018, Methodology for numerical integration of different data types for the purposes of seismic hazard assessment, Proceedings of the IX National Geophysical Conference, 30th November 2018, Sofia

- Г8-12 Metodiev, M., & Trifonova, P. (2019). Annual report of the observed geomagnetic activity in Panagjurishte observatory for 2013. Bulgarian Geophysical Journal, Vol. 41, p. 65-82. <https://doi.org/10.34975/BGJ-2018.41.7>
- Г8-13 Trifonova, P., Metodiev, M., Stavrev, P., Simeonova, S. and Solakov, D. (2019) Integration of Geological, Geophysical and Seismological Data for Seismic Hazard Assessment Using Spatial Matching Index. Journal of Geographic Information System, 11, 185-195. doi: 10.4236/jgis.2019.112013.
- Г8-14 Trifonova, P., Metodiev, M., & Buchvarov, I. (2019). Digital data records in PAG geomagnetic observatory available for a 60 years period. Bulgarian Geophysical Journal, Vol. 42, p. 46-61. <https://doi.org/10.34975/BGJ-2019.42.5>
- Г8-15 Metodiev, M., & Trifonova, P. (2019). Annual report of the observed geomagnetic activity in Panagyurishte observatory for 2014. Bulgarian Geophysical Journal, Vol. 42, p. 62-76. <https://doi.org/10.34975/BGJ-2019.42.6>
- Г8-16 Metodiev, M., & Trifonova, P. (2020). Annual report of the observed geomagnetic activity in Panagjurishte observatory for 2015. Bulgarian Geophysical Journal, Vol. 43, p. 43-58. <https://doi.org/10.34975/BGJ-2020.43.4>
- Г8-17 Petya Trifonova, Dimcho Solakov, Stela Simeonova, Metodi Metodiev, Stefan Florin Balan. Parameters of the Seismic Risk for Blagoevgrad Region, Bulgaria. Az-buki National Publishing House, 2020, ISBN:978-619-7065-38-1; e-ISBN 978-619-7065-39-8, DOI:<https://doi.org/10.48365/envr-2020.1.32>, 353-360
- Г8-18 Metodiev, M., Trifonova, P.. Annual report of the observed geomagnetic activity in Panagyurishte observatory for 2016. Bulgarian Geophysical Journal, 44, 2021, ISSN:2683-1317
- Г8-19 Metodiev, M., Trifonova, P.. Annual report of the observed geomagnetic activity in Panagyurishte observatory 2017. Bulgarian Geophysical Journal, 44, 2021, ISSN:2683-1317

Г9. Публикувана глава от колективна монография

- Г9-1 Симеонов, С., Солаков, Д., Георгиев, И., Вацева, Р., Димитров, Д., Стефанов, Д., Симеонова, С., Трифонова, П., Васева, Е., Черкезова, Е., Александрова, И., Канева, А., Върбанов, **М.**, **Методиев**, М., Райкова, П., Динков, Д.. Методика за анализ, оценка и картографиране на сеизмичния риск на Република България. МРРБ, Итус'98, 2018, 132
- Г9-2 Димчо Солаков, Стела Симеонова, Петя Трифонова, Иван Георгиев, Пламена Райкова, **Методи Методиев**, Ирена Александрова, Димитър Стефанов, Светослав Симеонов, Румяна Вацева, Елена Васева, Дейвис Динков, Георги Георгиев. Управление на сеизмичния риск за сгради. Проф. Марин Дринов - София, 2019, ISBN:978-954-322-988-8, 248 - 4 глави

II. ДОПЪЛНИТЕЛНИ ПУБЛИКАЦИИ

Публикации, представени по договори

(пълните текстове се намират във Фондове ГФИ/НИГГГ)

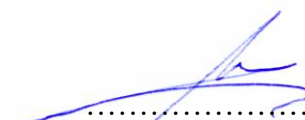
1. Солаков Д., Симеонова С, Трифонова П., **Методиев М.**, 2012, Анализ на сеизмичния хазарт за площадката на “Ада Тепе”, Част II, БАН, НИГГГ, София, стр. 52
2. Трифонова П., **Методиев М.**, Ставрев П., 2013, Изследване и определяне на местоположението на нова ядрена мощност на площадката на “АЕЦ КОЗЛОДУЙ” ЕАД, том В, част II Комплексен анализ на геофизичните полета в регионалната и локална зона на АЕЦ Козлодуй, стр. 58.
3. Трифонова П., **Методиев М.**, 2014, Analysis of the geophysical conditions in the region industrial site of “AURUBIS BULGARIA” Pirdop: analysis of the gravimetric and geomagnetic fields and identification of fault structures according to gravimetric and geomagnetic data.
4. Трифонова П., **Методиев М.**, 2017, Анализ на геофизичните условия в региона на хвостохранилище „Люляковица” „АСАРЕЛ – МЕДЕТ” АД – ГР. ПАНАГЮРИЩЕ
5. Трифонова П., **Методиев М.**, Ставрев П., 2018 Комплексен анализ на гравитационното и геомагнитното поле с цел идентифициране на разломни структури в земната кора Договор № ДСД-4/03.05.2017 г., БАН

Учебно-методически помагала и ръководства

(в хартиен и електронен формат в НИГГГ и ГМО Панагюрище)

1. Ръководство за обработка на абсолютни обсерваторни геомагнитни измервания, НИГГГ-БАН, София, стр. 20
2. Ръководство за извличане на средно-минутни данни в обсерваторни практика на ГМО Панагюрище, НИГГГ-БАН, София, стр. 10

23. 05. 2022 г.



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