

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

за участие в конкурс за академична длъжност „доцент“ в професионално направление 4.4. Науки за Земята по научна специалност “Сеизмология и вътрешен строеж на Земята” от гл. ас. д-р **Емил Илиев Ойнаков**

Публикациите са представени по групи показатели на минималните изисквания¹ за заемане на академичната длъжност „доцент“ като номерата им съответстват с изготвения списък на публикациите за участие в конкурса.

А	Дисертационен труд за присъждане на образователна и научна степен „доктор“		50т.
1	Емил Ойнаков Микросеизмичен шум – практически приложения Дисертация за придобиване на образователната и научна степен “Доктор” по специалност „Методи и техники на геоложките изследвания“		50
Общо Показател А			50т.
В	4. Хабилизационен 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+	Брой съавторин	60/п за всяка публикация
1	Solakov D., S. Simeonova, P. Raykova, E. Oynakov , I. Aleksandrova. GMPEs used in seismic hazard assessment for Bulgaria-selection and testing in Bulgaria. Source: Conference Proceedings, 10th Congress of the Balkan Geophysical Society, Sep 2019, Volume 2019, p.1 -, 2019	5	12
2	E. Oynakov , I. Aleksandrova, D. Solakov, M. Chamati. Synchronization of micro-seismic noise and its statistical parameters before ridgecrest earthquake M7.1 ON 6-TH OF JULAY 2019. 20th International Multidisciplinary Scientific GeoConference SGEM 2020, 20, 1.2, 2020, ISBN:978-619-7603-05-7, ISSN:1314-2704, DOI:10.5593/sgem2020/1.2/s05.081, 639-646	4	15
3	Dimitrova L., Georgieva G., Trifonova P., Oynakov E. , Protopopova V., Metodiev M.. Seismic sources and Earth structure in the transition zone between Fore-Balkan unit and Moesian platform, NE Bulgaria. Acta Geodaetica et Geophysica, Springer, 2020, ISSN:2213-5812, DOI:https://doi.org/10.1007/s40328-020-00288-3	6	10
4	E. Oynakov , D.Solakov, B. Rangelov, S. Dimovski. Correlation between gravity and magnetic fields on the territory of bulgaria. 20th International Multidisciplinary Scientific GeoConference SGEM 2020, 20, 1.2, 2020, ISBN:978-619-7603-05-7, ISSN:1314-2704, DOI:10.5593/sgem2020/1.2/s05.065, 511-518	4	15

¹ Минимални изисквани точки по групи показатели за академична длъжност „доцент“ в Направление 4.4 Науки за земята: показател А- 50т., показател В-100т., показател Г- 220т., показател Д – 60т., показател Е- 30т.

5	Maria Chamati, Emil Oynakov , Dimcho Solakov, Irena Aleksandrova. Effects of synchronization between ultra low frequency geomagnetic components variations and seismic noise. 20th International Multidisciplinary Scientific GeoConference SGEM 2020, 20, 1.2, 2020, ISBN:978-619-7603-05-7, ISSN:1314-2704, DOI:10.5593/sgem2020/1.2/s05.068, 535-542	4	15
6	E. Oynakov , D. Solakov, I. Aleksandrova, M. Popova, D. Dragomirov. 3D Modeling of Water-saturated Layers by Using the HVSr Method of Poisson. 11th Congress of the Balkan Geophysical Society, 2021, European Association of Geoscientists & Engineers, 2021, DOI:https://doi.org/10.3997/2214-4609.202149BGS18	5	12
7	Maria Popova, Dragomir Dragomirov, Emil Oynakov , Valentin Buchakchiev, Yordan Milkov. Seismicity in bulgaria and surroundings in the first 20 years of the twenty-first century. Proceedings of 21th International Multidisciplinary Scientific Geoconference SGEM 2021, International Multidisciplinary Scientific Geoconference, 2021	5	12
8	E. Oynakov , D. Solakov, I. Aleksandrova, I. Milkov. Spatial Variation of Precursory Seismic Quiescence Observed Before Earthquake from 01.04. 2010 in the Region of Crete. International conference on Environmental protection and disaster RISks, Springer, 2021, ISBN:978-619-7065-38-1, DOI:https://doi.org/10.1007/978-3-030-70190-1_16, 231-242	4	15
9	Liliya Dimitrova, Emil Oynakov , Lyubka Pashova, Dragomir Dragomirov. Assessment of the historical and recent seismicity of the black sea region. Proceedings of 21th International Multidisciplinary Scientific GeoConference SGEM 2021, 21, Issue 1.1, 21st International Multidisciplinary Scientific GeoConference SGEM 2021, 2021, ISBN: 978-619-7603-20-0, ISSN:1314-2704, DOI:10.5593/sgem2021/1.1/s05.078, 645-652	4	15
10	Popova, M., E. Oynakov , D. Solakov, I. Aleksandrova, D. Dragomirov, R. Ivanov. Experimental Evaluation of the Dynamical Parameters f0 and A0 Using the Method HVSr. Conference Proceedings, 11th Congress of the Balkan Geophysical Society, 2021, European Association of Geoscientists & Engineers, 2021, DOI:https://doi.org/10.3997/2214-4609.202149BGS25, 1-5	6	10
Общо Показател В			131 т.
Г	7. Научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация		40/n
1	Aleksandrova I., Solakov D., Oynakov E. Comparison of notssi network stations' corrections, after analysis of the seismic noise and earthquakes, using the method for calculating the ratio of the amplitude spectrues of h-v signal component. Proc. International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 21, pp. 435-442, 1.1, 2021, ISSN:1314-2704, DOI:10.5593/sgem2021/1.1/s05.080	3	13.33
2	E. Oynakov , E. Botev. Spatial and time variations of seismicity before strong earthquakes in the southern part of Balkans.. Annals of Geophysics, 2021, ISSN:15935213, 2037-416X, DOI:https://doi.org/10.4401/ag-8566	2	20

3	E.Oynakov , E.Botev. Fractal properties of seismicity and active faults in Balkan. Journal of Volcanology and Seismology, vol.15, issue 6, Springer, 2021, ISSN:0742-0463, DOI:DOI: 10.1134/S0742046321060087	2	20
4	E. Oynakov , D. Solakov, I. Aleksandrova. Assessment of station corections (site-effect) for seismic stations from the bulgarian seismic network calculated on the basis of local and regional earthquakes. Proceedings of 21th International Multidisciplinary Scientific GeoConference SGEM 2021, 2021, International Multidisciplinary Scientific GeoConference : SGEM, 2021, DOI:DOI:10.5593/sgem2021/L1/s05.077	3	13.33
5	Atanasova M., Nikolov H., Oynakov E. CO-SEISMIC SURFACE DISPLACEMENTS AFTER THE EARTHQUAKES IN LARISSA, 3 MARCH 2021, DERIVED BY DINSAR. Proceedings of 21th International Multidisciplinary Scientific GeoConference SGEM 2021, Volume: 21, Book number: 2.1, International Multidisciplinary Scientific Geoconference, 2021, ISBN:1314-2704, ISSN:978-619-7603-22-4, DOI:10.5593/sgem2021/2.1/s10.64, 521-528	3	13.33
6	E. Oynakov , D. Solakov, I. Aleksandrova. Study of the Seasonal Changes of the Amplitude-frequency Characteristics of the Microseismic Noise. 11th Congress of the Balkan Geophysical Society, 2021, European Association of Geoscientists & Engineers, 2021, DOI:https://doi.org/10.3997/2214-4609.202149BGS4, 1-5	3	13.33

Г	8. Научна публикация в нереферирани списания с научно рецензиране или в редактирани колективни томове		20/n
1	Oynakov E. , Rangelov B.. Sensitivity Of The Method Of Microseismic Drilling At Depth Research In Different Seismic Zones - Vranча And Calabria. , Сборника с Научни трудове по физика на Пловдивския университет "Паисий Хилендарски" от V Национална студентска, научна сесия по физика и инженерни технологии, Пловдивския университет "Паисий Хилендарски", 2016, ISSN:0861-0029	2	10
2	Oynakov E. . Deep Seismic Sounding by Microseismic Tremor (SSMT) Broadband Signals for Calabria Seismic Zone. International Academy Journal Web of Scholar, 6, Warsaw: RS Global Sp. z O.O, 2016, ISSN:2518-167X, DOI:10.31435/rsglobal_wos	1	20
3	Rangelov B., Asenova T., Oynakov E. . Project A C U S A N (Acoustic Investigations in Antarctica). Collection Contains reports - Thirteenth International Scientific Conference „Space, Ecology, Safety- SES 2017, Space Research and Technology Institute – Bulgarian Academy of Sciences, 2017, ISSN:1313 – 3888	3	6.67
4	Ирена Александрова, Пламена Райкова, Емил Ойнаков . Сеизмичен анализ на земетресението от 26 ноември 2017 г., в района на град Клисуре. ПРОБЛЕМИ НА ГЕОГРАФИЯТА, Книга 3-4, НИГГТ, 2018, ISSN:0204-7209, 128-138	3	6.67
5	Dimcho Josifov, Boyko Rangelov, Emil Oynakov . Preliminary data about the asthenosphere structure in bulgaria. xxviiiinternational symposium onmodern technologies, education and professional practice in geodesy and related fields, 2018, ISSN:2367-6051	3	6.67
6	E. Oynakov , D. Solakov, I. Aleksandrova. Research on the fractal statistical characteristics as possible prognostic parameters for earthquakes, generated in the seismic zone of vrancea, in the period between 01.08.2016 and 30.12.2016. International Academy Journal Web of Scholar, 8, 1, RS Global Sp. z O.O., Scientific Educational Center Warsaw, Poland, 2019, ISSN:2518-167X, DOI:10.31435/rsglobal_wos, 3-12	3	6.67
7	E. Oynakov , I. Aleksandrova, D. Solakov. Variations of the parameters of background seismic noise in the stage of preparation of strong earthquakes in the vrancea region. Bulgarian Geophysical Journal, Vol. 42, 42, Bulgarian Academy of Sciences, 2019, DOI:https://doi.org/10.34975/bgj-2019.42.10	3	6.67
8	V. Buchakchiev, E. Oynakov , D. Dragomirov, Y. Milkov. Seismicity on the territory of bulgaria and the adjacent lands recorded by notssi in 2017. Bulgarian Geophysical Journal, Vol. 42, 42, BAS, 2019, DOI:https://doi.org/10.34975/bgj-2019.42.9	4	5
9	Емил Ойнаков , Димчо Солаков, Ирена Александрова. Фрактални характеристики на случайните флуктуации на сеизмичните записи (математически апарат и схема на поэтапната обработка). Проблеми на Географията, 2, Българска Академия на Науките, 2019, ISSN:0204-7209, 2367-6671	3	6,67
10	Ойнаков Е. , Александрова И.. Сеизмични характеристики на земетресението от 28.10.2018 г., генерирано в сеизмогенна област Вранча, Румъния. Проблеми на географията, 1, 1/2019, Българска Академия на Науките, 2019, ISSN:0204-7209 (print); 2367-6671 (online), 18-29	2	10

11	Ойнаков Е. , Солаков Д., Рангелов Б.. Сеизмопрогностичните свойства на микросейсмичния шум в минутния диапазон. Сборник популярни и научни доклади: Дни на физиката 2019, 11, ИЗДАТЕЛСТВО НА ТЕХНИЧЕСКИ УНИВЕРСИТЕТ –СОФИЯ, 2019, ISSN:1313-9576, 84-94	3	6,67
12	D. Dragomirov, E. Oynakov , V. Buchakchiev, Y. Milkov. Seismicity on the territory of bulgaria and the adjacent lands recorded by notssi in 2018. Bulgarian Geophysical Journal, Vol. 42, 42, BAS, 2019, DOI:https://doi.org/10.34975/bgj-2019.42.10	4	5
13	Emil Oynakov , Dimcho Solakov, Irena Aleksandrova, Yordan Milkov. Seismicity patterns associated with earthquakes on the balkan peninsula. 1st International conference on ENVIROnmental protection and disaster RISks, Az-buki National Publishing House, 2020, ISBN:978-619-7065-38-1, 331-342	4	5
14	Emil Oynakov , Dimcho Solakov, Irena Aleksandrova. Seismic stations site-effect for the national operative telemetric system for seismological information (notssi) network calculated on the basis of microseismic noise. 1st International conference on ENVIROnmental protection and disaster RISks, 2, Az-buki National Publishing House, 2020, ISBN:978-619-7065-38-1, 342-353	3	6.67
15	Emil Oynakov , Emil Botev. Hidden Periodicity in the "Stream" of Earthquakes in the Southern Part of the Balkan Peninsula. "Space, Ecology, Safety" S E S 2020 PROCEEDINGS, Space Research and Technology Institute – Bulgarian Academy of Sciences, 2020, ISSN:p-ISSN 2603 – 3313 , e-ISSN 2603 – 3321, 244-249	2	10
16	D. Dragomirov, E. Oynakov , V. Buchakchiev, Y. Milkov. SEISMICITY ON THE TERRITORY OF BULGARIA AND THE ADJACENT LANDS RECORDED BY NOTSSI IN 2019. Bulgarian Geophysical Journal, 43, Bulgarian Academy of Sciences, 2020, ISSN:ISSN 2683-1317, DOI:DOI: 10.34975/bgj-2020.43.5, 59-70	4	5
17	D. Dragomirov, E. Oynakov , V. Buchakchiev, Y. Milkov. SEISMICITY ON THE TERRITORY OF BULGARIA AND SURROUNDINGS RECORDED BY NOTSSI FOR THE PERIOD 2017-2019. 1st International conference on ENVIROnmental protection and disaster RISks, 2, Az-buki National Publishing House, 2020, ISBN:978-619-7065-38-1	4	5
Общо Показател Г:			221,68

Д	10. 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		5т.
1	V. Buchakchiev, E. Oynakov, D. Dragomirov, Y. Milkov. Seismicity on the territory of bulgaria and the adjacent lands recorded by notssi in 2017. Bulgarian Geophysical Journal, Vol. 42, 42, BAS, 2019, DOI:https://doi.org/10.34975/bgj-2019.42.9		
	1 Ouzunov, D., Velichkova, S., & Botev, E. (2021, October). Modulation in VHF Wireless Signals Associated With Preearthquake Processes. Case Studies for the Balkans. In 11th Congress of the Balkan Geophysical Society (Vol. 2021, No. 1, pp. 1-5). European Association of Geoscientists & Engineers		5
2	Solakov D., S. Simeonova, P. Raykova, E. Oynakov, I. Aleksandrova. GMPEs used in seismic hazard assessment for Bulgaria-selection and testing in Bulgaria. Source: Conference Proceedings, 10th Congress of the Balkan Geophysical Society, Sep 2019, Volume 2019, p.1 -, 2019, DOI:10.3997/2214-4609.201902658		
	1. Syahbana, A., G. Goro, O. Saputra, D., Aditramulyadi, M. Irsyam, M. Asrurifak, H. Djazilus. Application of Modified PSHA USGS Software in Java Island Bed Rock Peak Ground Acceleration and Hazard Curve with 2475 Years Return Period. International Journal of Advanced Science and Technology Vol. 29, No. 7, (2020), pp. 3138-3148, DOI: 10.18517, ISSN: 2207 = 6360. e-ISSN: 2005-4238, 2020		5
3	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, DOI: 10.1007/s40328-020-00288-3		
	1. Msaddek, M.H., Moumni, Y., Haji, T.A. et al. A fuzzy mathematical model for evaluation of rock-fracture and structural complexity: application for Southern Atlas in Tunisia. Acta Geod Geophys 56, 579–604 (2021). https://doi.org/10.1007/s40328-021-00347-3		5
	2. Nikolov, H., & Atanasova, M. (2021). Obtaining ground deformations by multitemporal DInSAR processing in vicinity of archaeological site "solnitsata-provadia". Paper presented at the Proceedings of SPIE - the International Society for Optical Engineering, , 11861 doi:10.1117/12.2599762		5
	3. Atanasova-Zlatareva, M., Nikolov, H. "Establishing Surface Displacements along a Railway Route near Mirovo Salt Deposit, NE Bulgaria". International Conference on Geographical Information Systems Theory, Applications and Management, GISTAM - Proceedings pp. 155-162, 2022		5

4	D. Dragomirov, E. Oynakov, V. Buchakchiev, Y. Milkov. Seismicity on the territory of bulgaria and the adjacent lands recorded by notssi in 2018. Bulgarian Geophysical Journal, Vol. 42, 42, BAS, 2019, DOI:https://doi.org/10.34975/bgj-2019.42.10		
	1. Ouzunov, D., Velichkova, S., & Botev, E. (2021, October). Modulation in VHF Wireless Signals Associated With Preearthquake Processes. Case Studies for the Balkans. In 11th Congress of the Balkan Geophysical Society (Vol. 2021, No. 1, pp. 1-5). European Association of Geoscientists & Engineers		5
	2.Srebrov, B., Logvinov, I., & Botev, E. (2021, October). Magnetotelluric Studies and Regional Seismic Activity in the Central Part of Balkans. In 11th Congress of the Balkan Geophysical Society (Vol. 2021, No. 1, pp. 1-5). European Association of Geoscientists & Engineers		5
5	D. Dragomirov, E. Oynakov, V. Buchakchiev, Y. Milkov. Seismicity on the territory of bulgaria and surroundings recorded by notssi for the period 2017-2019. 1st International conference on ENVIROnmental protection and disaster RISks, 2, Az-buki National Publishing House, 2020, ISBN:978-619-7065-38-1		
	1. Ouzunov, D., Velichkova, S., & Botev, E. (2021, October). Modulation in VHF Wireless Signals Associated With Preearthquake Processes. Case Studies for the Balkans. In 11th Congress of the Balkan Geophysical Society (Vol. 2021, No. 1, pp. 1-5). EAGE Publications BV		5
	2. Srebrov, B., Logvinov, I., & Botev, E. (2021, October). Magnetotelluric Studies and Regional Seismic Activity in the Central Part of Balkans. In 11th Congress of the Balkan Geophysical Society (Vol. 2021, No. 1, pp. 1-5). EAGE Publications BV		5
Д	12. Цитирания или рецензии в нереферирани списания с научно рецензиране		2т
1	V. Buchakchiev, E. Oynakov, D. Dragomirov, Y. Milkov. Seismicity on the territory of bulgaria and the adjacent lands recorded by notssi in 2017. Bulgarian Geophysical Journal, Vol. 42, 42, BAS, 2019, DOI:https://doi.org/10.34975/bgj-2019.42.9		
	1. Botev, E. Lineament anomalies of the geomagnetic field and correlation with the seismicity of the territory of bulgaria. Proc. Seventeenth International Scientific Conference, SPACE, ECOLOGY, SAFETY, 20 – 22 October 2021, Sofia, Bulgaria, 2021		2
	2. Botev, E. Statistical analysis of the earthquake 03.03.2021 near larisa (greece) mw = 6.3. Proc. Seventeenth International Scientific Conference, SPACE, ECOLOGY, SAFETY, 20 – 22 October 2021, Sofia, Bulgaria, 2021		2

2	D. Dragomirov, E. Oynakov, V. Buchakchiev, Y. Milkov. Seismicity on the territory of Bulgaria and the adjacent lands recorded by notssi in 2018. Bulgarian Geophysical Journal, Vol. 42, 42, BAS, 2019, DOI:https://doi.org/10.34975/bgj-2019.42.10		
	1. Botev, E. Lineament anomalies of the geomagnetic field and correlation with the seismicity of the territory of Bulgaria. Proc. Seventeenth International Scientific Conference, SPACE, ECOLOGY, SAFETY, 20 – 22 October 2021, Sofia, Bulgaria, 2021		2
	2. Botev, E. Statistical analysis of the earthquake 03.03.2021 near Larisa (Greece) Mw = 6.3. Proc. Seventeenth International Scientific Conference, SPACE, ECOLOGY, SAFETY, 20 – 22 October 2021, Sofia, Bulgaria, 2021		2
3	D. Dragomirov, E. Oynakov, V. Buchakchiev, Y. Milkov. SEISMICITY ON THE TERRITORY OF BULGARIA AND THE ADJACENT LANDS RECORDED BY NOTSSI IN 2019. Bulgarian Geophysical Journal, 43, Bulgarian Academy of Sciences, 2020, ISSN:ISSN 2683-1317, DOI:DOI: 10.34975/bgj-2020.43.5, 59-70		
	1. Botev, E. Lineament anomalies of the geomagnetic field and correlation with the seismicity of the territory of Bulgaria. Proc. Seventeenth International Scientific Conference, SPACE, ECOLOGY, SAFETY, 20 – 22 October 2021, Sofia, Bulgaria, 2021		2
	2. Botev, E. Statistical analysis of the earthquake 03.03.2021 near Larisa (Greece) Mw = 6.3. Proc. Seventeenth International Scientific Conference, SPACE, ECOLOGY, SAFETY, 20 – 22 October 2021, Sofia, Bulgaria, 2021		2
4	D. Dragomirov, E. Oynakov, V. Buchakchiev, Y. Milkov. SEISMICITY ON THE TERRITORY OF BULGARIA AND SURROUNDINGS RECORDED BY NOTSSI FOR THE PERIOD 2017-2019. 1st International conference on ENVIRONMENTAL protection and disaster RISKS, 2, Az-buki National Publishing House, 2020, ISBN:978-619-7065-38-1		
	1. Botev, E. LINEAMENT ANOMALIES OF THE GEOMAGNETIC FIELD AND CORRELATION WITH THE SEISMICITY OF THE TERRITORY OF BULGARIA. Proc. Seventeenth International Scientific Conference, SPACE, ECOLOGY, SAFETY, 20 – 22 October 2021, Sofia, Bulgaria, 2021		2
	2. Botev, E. STATISTICAL ANALYSIS OF THE EARTHQUAKE 03.03.2021 NEAR LARISA (GREECE) Mw = 6.3. Proc. Seventeenth International Scientific Conference, SPACE, ECOLOGY, SAFETY, 20 – 22 October 2021, Sofia, Bulgaria, 2021		2
Общо Показател Д:			61т.
Е	17. Участие в национален научен или образователен проект		20т.
1	Проект от Националната пътна карта за научна инфраструктура „НАЦИОНАЛЕН ГЕОИНФОРМАЦИОНЕН ЦЕНТЪР“- 2018-2023 (ДО1-161/28.08.2018 г)		10
2	Мултифрактален анализ на микросейзmicния шум с цел - определяне на статистически индикатори за прогнозиране на земетресения-2019-2022 (МС №11 / 17.08.2018 МОН)		10
3	Геодезически и сейзmicни изследвания в принос на оценката на опасността и риска от цунами в Черноморския регион -2020-2023 (КП-СЕ-КОСТ/8)		10
4	Изследване на измененията в някои геофизични полета предхождащи появата на земетресения в района на Балканите-2018-2022 (ДН 14/1 11.12.2017)		10
Общо Показател Е:			40т.

Изпълнение на минималните изисквани точки по групи показатели за академична длъжност „доцент“ в Направление 4.4 Науки за Земята според представения списък:

показател А- 50т./50т.,
показател В- 131т./100т.,
показател Г- 231.4т./220т.,
показател Д – 61т./60т.,
показател Е- 40т./30т.

31. 05. 2023 г.



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д-р инж. Емил Ойнаков,
гл. асистент в
деп. Сеизмология и Сеизмично Инжинерство
на НИГГГ-БАН

