

Справка

за изпълнение на минималните национални изисквания по чл. 2б, ал. 2 и 3 на ЗРАСРБ и съответните членове от новоприетия през 2025 г. правилник за приложение на ЗРАСРБ в БАН за заемане на академична длъжност „доцент“

на гл. ас. д-р Христина Проданова

представени на участие в конкурс за заемане на академичната длъжност „Доцент“, по професионално направление 4.4. Науки за Земята, научна специалност „Картография и ГИС“ за нуждите на секция „Приложна геоинформатика“ на НИГГГ-БАН, обявен в Държавен вестник, бр. 54, от дата 04.07.2025 г.

Група от показатели	Съдържание	Минимални изисквания за доцент	Точки на кандидата
А	Показател 1	50	50
Б	Показател 2	-	-
В	Показатели 3 или 4	100	105
Г	Сума от показателите от 5 до 10	220	325
Д	Сума от показателите от 11 до 13	60	518
Е	Сума от показателите от 14 до края	-	-
Общо за всички групи:		430	998

Група показатели А

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

Общ брой точки: 50

№	Показател	Брой точки
A1_1	Проданова, Хр. Геоекологичен статус на ландшафтите в Централна Северна България (между р. Осъм и р. Янтра). 2022, 143 с. Защитен на 08.04.2022 г. във ВТУ "Св. Св. Кирил и Методий" с научен ръководител доц. д-р Галин Петров	50

Група показатели В

Общ брой точки: 105

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

№	Публикации	Вид публ.	Брой точки
B4_1	Prodanova H , Nedkov S, Petrov G (2024) GIS-based modelling of landscape patterns in mountain areas using climate indices and regression analysis. Environmental Modelling & Software 180. https://doi.org/10.1016/j.envsoft.2024.106160	Q1	25.00
B4_2	Nedkov S, Nikolova M, Prodanova H , Stoycheva V, Hristova D, Sarafova E (2022) A multi-tiered approach to map and assess the natural heritage potential to provide ecosystem services at a national level. One Ecosystem 7: e91580. https://doi.org/10.3897/oneeco.7.e91580	Q1	25.00
B4_3	Nedkov S, Campagne S, Borisova B, Krpec P, Prodanova H , Kokkoris I, Hristova D, Le Clec'h S, Santos-Martin F, Burkhard B, Bekri E, Stoycheva V, Bruzon A, Dimopoulos P (2022) Modeling water regulation ecosystem services: A review in the context of ecosystem accounting. Ecosystem Services, 56, Elsevier. https://doi.org/10.1016/j.ecoser.2022.101458	Q1	25.00
B4_4	Prodanova H , Varadzhakova D (2022) How Individual Scores Affect the Final Expert-Based Assessments of Ecosystem Services: Range and Mean Scores Analysis of Natural Heritage Supply Maps. European Journal of Geography 13 (4):074-097. https://doi.org/10.48088/ejg.h.pro.13.4.074.097	Q3	15.00
B4_5	Petkova G, Prodanova H , Stoycheva V (2022) Analysis of the national ecosystem database of Bulgaria: (Mis)matches with the MAES framework. Journal of the Bulgarian Geographical Society 47: 73-82. https://doi.org/10.3897/jbgs.e99268	Q3*	15.00
Общ брой точки за група В:			105.00

* За ПН 4.4 се използват и квартилите (четвъртините) Q1, Q2, Q3 и Q4 съгласно метриката SJR (<https://www.scimagojr.com/>). При отчитане на публикация в списание, което се появява за съответната година и в квартилите на JCR и в квартилите на SJR, се използва по-високият от тези квартали. Ако за дадена публикация в годината на публикуване не е наличен квартил за списанието, се използва наличният квартил за най-близката до нея година.

Scimago Journal Rank (SJR) обозначава метриката на научните издания, реферирани в Scopus.

Източник: Правилник за прилагане на Закона за развитието на академичния състав в Република България,
<https://dv.parliament.bg/DVWeb/showMaterialDV.jsp?idMat=233529>

Група показатели Г

Общ брой точки: 325

5. Публикувана монография, която не е представена като основен хабилизационен труд

№	Публикации	Вид публ.	Брой точки
Г5_1	Проданова Хр (2025) Публикационният процес в научните изследвания. Българско географско дружество, София, 167 с. ISBN: 978-619-90446-5-0 (под печат)	Моногр.	100.00
Общ брой точки за показател Г5:			100.00

7. Научна публикация в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация

№	Публикации	Вид публ.	Брой точки
Г7_1	Kiffner C, Linnell JDC, Capelli S, Ciolli M, Iglesias A, Jewell K, Kaltenborn B, König HJ, Martin-Collado D, Prodanova H , Soriano B, Stoycheva V, Tattoni C, Uthes S, Volani S, Zöller M, Ostermann-Miyashita EF (2025) Comparative stakeholder perceptions of wildlife management across five European multi-use landscapes. Journal of Environmental Management 389, 126186. https://doi.org/10.1016/j.jenvman.2025.126186	Q1*	25.00
Г7_2	Prodanova H , Dimitrov S (2025) Visibility and research impact of Bulgarian geographers: insights from indexing databases and social media platforms. European Science Editing 51. https://doi.org/10.3897/ese.2025.e120210	Q2*	20.00
Г7_3	Prodanova H , Stoycheva V (2024) Increasing the uptake of ecosystem services research in decision-making and education: Follow-up discussion on the “Twenty years of ecosystem services research in Bulgaria”. Journal of the Bulgarian Geographical Society 51: 177-186. https://doi.org/10.3897/jbgs.e142535	Q2	20.00
Г7_4	Prodanova H , Nedkov S, Yordanov Y (2024) The old good landscape maps: New interpretations enabling ecosystem services assessment of conservation potential at a national scale. Nature Conservation 56: 223-242. https://doi.org/10.3897/natureconservation.56.132537	Q2	20.00

Г7_5	Nedkov S, Stoycheva V, Prodanova H , Ananiev I, Yordanov Y (2024) Twenty years of ecosystem services research in Bulgaria: lessons learned and future directions from a geographical perspective. BioRisk 22: 33-52. https://doi.org/10.3897/biorisk.22.125194	Q3	15.00
Г7_6	Stefanov P, Prodanova H , Stefanova D, Stoycheva V, Petkova G (2023) Monitoring of water cycle in karst geosystems and its integration into ecosystem assessment framework. Journal of the Bulgarian Geographical Society 48: 15-26. https://doi.org/10.3897/jbgs.e101301	Q3	15.00
Г7_7	Prodanova H (2021) Experimental mapping and assessment of ecosystem services based on multi-level landscape classification. Journal of the Bulgarian Geographical Society 45: 31-39. https://doi.org/10.3897/jbgs.e78692	Q3*	15.00
Г7_8	Nedkov S, Mitova R, Nikolova M, Borisova B, Hristova D, Semerdzhieva L, Zhiyanski M, Prodanova H (2021) Prioritization of ecosystem services related to the natural heritage of Bulgaria. Journal of the Bulgarian Geographical Society 45: 19-30. https://doi.org/10.3897/jbgs.e73687	Q3*	15.00
Г7_9	Nedkov S, Borisova B, Nikolova M, Zhiyanski M, Dimitrov S, Mitova R, Koulov B, Hristova D, Prodanova H , Semerdzhieva L, Dodev Y, Ihtimanski I, Stoyanova V (2021) A methodological framework for mapping and assessment of ecosystem services provided by the natural heritage in Bulgaria. Journal of the Bulgarian Geographical Society 45: 7-18. https://doi.org/10.3897/jbgs.e78680	Q3*	15.00
Г7_10	Nedkov S, Pickles J, Naydenov K, Prodanova H (2021) Journal of the Bulgarian Geographical Society: the new vision and perspectives. Journal of the Bulgarian Geographical Society 44: 3-5. https://doi.org/10.3897/jbgs.e68981	Q3*	15.00
Г7_11	Nedkov S, Ananiev I, Prodanova H , Stoycheva V (2023) Integrated mapping of ecosystems and assessment of forest ecosystem services at river basin scale. Silva Balcanica 24(3): 43-60. https://doi.org/10.3897/silvabalcanica.24.e115856	WoS без IF	8.00
Г7_12	Проданова Хр. , Ананиев И, Недков Ст. Картиране на екосистемите за нуждите на басейновото управление на водите. Космос, Екология, Сигурност, ИКИТ-БАН, 2024, ISSN:p-ISSN 2603–3313, e-ISSN 2603–3321, 164-169. URL	други	6.00
Г7_13	Проданова Хр , Петкова Г, Стоянова Е (2022) Моделиране на рекреационно-туристическия потенциал на областта Порече в Република Северна Македония. Е-списание Географ, 6, Български географски портал - Географ БГ, 2022, ISSN:2534-949X (online), 77-90. URL	други	6.00

Г7_14	Недков Ст, Проданова Хр , Найденов Кл (2020) Известия на Българското географско дружество: минало, настояще и бъдеще. Известия на Българското географско дружество 43: 107-120. https://doi.org/10.3897/jbgs.2020.43.17	други	6.00
Г7_15	Проданова Хр , Петрова М (2020) Доц. д-р Никола Тодоров (1955-2018) – живот в името на географията. Известия на Българското географско дружество 42: 115-131. https://doi.org/10.3897/jbgs.2020.42.17	други	6.00
Г7_16	Петров Г, Проданова Хр (2019) Относно съществуването на иглолистен пояс по северните склонове на Шипченска планина в миналото. Известия на Българското географско дружество 40: 30-34. https://doi.org/10.3897/jbgs.2019.40.5	други	6.00
Г7_17	Проданова Хр , Тодоров Н (2016) Разрушаване на ландшафти във възвишението Стражата, Среден Предбалкан. В: Сборник доклади от Научна конференция "Географски аспекти на планирането и използването на територията в условията на глобални промени", Българско географско дружество, 2016, ISBN:978-619-90446-1-2, 120-125. URL	други	6.00
Г7_18	Проданова Хр (2016) Пушевските кактуси - необичайна атракция или скрита опасност?. Е-списание Географ, 1, Български географски портал - Географ БГ, ISSN:2534-949X, 92-101. URL	други	6.00
Общ брой точки за показател Г7:			225.00
Общ брой точки за група Г, показатели Г5+Г7:			325.00

* За ПН 4.4 се използват и квартилите (четвъртините) Q1, Q2, Q3 и Q4 съгласно метриката SJR (<https://www.scimagojr.com/>). При отчитане на публикация в списание, което се появява за съответната година и в квартилите на JCR и в квартилите на SJR, се използва по-високият от тези квартили. Ако за дадена публикация в годината на публикуване не е наличен квартил за списанието, се използва наличният квартил за най-близката до нея година.

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Източник: Правилник за прилагане на Закона за развитието на академичния състав в Република България, <https://dv.parliament.bg/DVWeb/showMaterialDV.jsp?idMat=233529>

Група показатели Д

Общ брой точки: 518

Брой цитирани публикации: 18; Общ брой цитирания: 113, от които:

94 *5 (в Scopus и Web of Science) = 470;

10 *3 (в сборници и монографии) = 30;

9 *2 (в нереферирани списания) = 18.

11. Цитирания или рецензии в научни издания, реферирани и индексирани в световноизвестни бази данни с научна информация

№	Цитати	Брой точки
Д11_1	Prodanova H, Nedkov S, Petrov G (2024) GIS-based modelling of landscape patterns in mountain areas using climate indices and regression analysis. Environmental Modelling & Software 180. https://doi.org/10.1016/j.envsoft.2024.106160	-
Цитирана се в:	94. Charalampopoulos, I., & Droulia, F. (2025). Climate Evolution of Agricultural and Natural Areas of Southeastern Europe According to Pinna, Johansson and Kerner Climate Indices. Climate, 13(6), 121. https://doi.org/10.3390/cli13060121 , @2025	5
	93. Jayant J, Tiwari AC, Jayant AB (2025) Integrating winter's method and white noise for advanced air quality forecasting: a case study of Indore, India. Environmental Research Communications 7, 035031. https://doi.org/10.1088/2515-7620/adc24d , @2025	5
	92. Santra, S., Patra, A. K., Penchala, A., Mishra, N., & Pradhan, D. S. (2025). Meteorology Driven Ozone Variability. Ozone: Science & Engineering, 1–19. https://doi.org/10.1080/01919512.2025.2486811 , @2025	5
	91. Zhang, B., Zhou, J. & Chen, L. Spatial differentiation and coupling between village development intensity and landscape pattern of 100 villages in Anhui, China. Sci Rep 15, 5015 (2025). https://doi.org/10.1038/s41598-025-88849-w , @2025	5
	90. Boyacı, A. İ., Akman, G., & Karabıçak, Ç. (2025). Eko-inovasyon yeteneğini etkileyen faktörlerin nedensellik ilişkilerinin araştırılması: Regresyon analizi ve DEMATEL tabanlı entegre bir yaklaşım. Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, 40(3), 2013-2028. https://doi.org/10.17341/gazimmfd.1563324	5

Д11_2	Nedkov S, Nikolova M, Prodanova H, Stoycheva V, Hristova D, Sarafova E (2022) A multi-tiered approach to map and assess the natural heritage potential to provide ecosystem services at a national level. One Ecosystem 7: e91580. https://doi.org/10.3897/oneeco.7.e91580	-
Цитира се в:	89. Bacsı Z, Száltekei P, Bánhegyi G (2025) The Impact of Agricultural Land Use Patterns on Natural Vegetation, Plant, and Livestock Diversity in the European Union. Heritage 8(3): 83. https://doi.org/10.3390/heritage8030083 , @2025	5
	88. Derafshi K (2024) Quantitative assessment of geoheritage sites, new insight in ecotourism destination development planning (Case study: Bushehr Township). Researches in Earth Sciences 15(4): 1-21. https://doi.org/10.48308/esrj.2024.235775.1224 , @2024	5
	87. Frantzova A, Ivanov P, Dobrev N, Berov B, Nankin R, Krastanov M, Ranguelov B (2024) Rethinking the landslide risk assessment for socio-ecological systems using the example of the northern Bulgarian Black Sea coast. One Ecosystem 9: e136166. https://doi.org/10.3897/oneeco.9.e136166 , @2024	5
	86. Vasileva V, Sabrieva S, Kabakchieva D, Emilova M (2024) Evaluation of the tourist functions of protected areas: A case study of Shumen Plateau Nature Park. Journal of the Bulgarian Geographical Society 50: 149-168. https://doi.org/10.3897/jbgs.e117725 , @2024	5
	85. Asa PS, Zemba AA (2023) Assessing temperature warming and cooling rates using simple statistical analysis: The case study of Jalingo metropolis. Journal of the Bulgarian Geographical Society 49: 43-51. https://doi.org/10.3897/jbgs.e110454 , @2023	5
Д11_3	Nedkov S, Campagne S, Borisova B, Krpec P, Prodanova H, Kokkoris I, Hristova D, Le Clec'h S, Santos-Martin F, Burkhard B, Bekri E, Stoycheva V, Bruzon A, Dimopoulos P (2022) Modeling water regulation ecosystem services: A review in the context of ecosystem accounting. Ecosystem Services, 56, Elsevier. https://doi.org/10.1016/j.ecoser.2022.101458	-
Цитира се в:	84. Chen J, Zheng M, Lin F, Chen X, Yao H (2025) Spatiotemporal variation of forest water conservation based on dual-variable calibration of runoff and evapotranspiration with SWAT model. Agricultural and Forest Meteorology 373: 110755. https://doi.org/10.1016/j.agrformet.2025.110755 , @2025	5

	83. Jia, Y., Zhang, Z., Huang, C., & Xie, S. (2025). Analysis of Water Source Conservation Driving Factors Based on Machine Learning. Sustainability, 17(4), 1713. https://doi.org/10.3390/su17041713 , @2025	5
	82. Mngomezulu H, Ramaila S (2025) Integrating Environmental Education into Grade 11 Life Sciences Classrooms: Challenges and Pedagogical Opportunities. International Journal of Learning, Teaching and Educational Research 24(7): 376-401. https://doi.org/10.26803/ijlter.24.7.19 , @2025	5
	81. Nardi M, Aricò S, Buonocore E, Franzese PP (2025) The ecohydrology framework. Bibliometric network analysis and literature review. Ecological Questions 36(1): 1–21. https://doi.org/10.12775/EQ.2025.013 , @2025	5
	80. Vilhar U (2025) Runoff and Evapotranspiration–Precipitation Ratios as Indicators of Water Regulation Ecosystem Services in Urban Forests. Land 14(4): 809. https://doi.org/10.3390/land14040809 , @2025	5
	79. Zhang T, Shao Q, Huang H (2025) Understanding the efficiency and uncertainty of water supply service assessment based on the Budyko framework: A case study of the Yellow River Basin, China. Ecological Indicators 173, 113395. https://doi.org/10.1016/j.ecolind.2025.113395 , @2025	5
	78. Zhang, J., Zhang, S., Huang, Y., Fan, F., Ma, J., & Zheng, H. (2025). Distinguishing the contributions of natural ecosystems and water infrastructures to water provisioning services at watershed scale. Frontiers in Earth Science, 13, 1512780. https://doi.org/10.3389/feart.2025.1512780 , @2025	5
	77. Zhao M, Li L, Wang Z (2025) Impacts of land use scenarios on ecosystem service value and landscape ecological risk in Beijing. Journal of Beijing Forestry University 47(7): 129-141. https://dx.doi.org/10.12171/j.1000-1522.20240226 , @2025	5
	76. Zhao, G., Tian, S., Han, B., Zhang, Z., Chen, R., & Zhang, Y. (2025). Quantitative assessment sustainability of the river-irrigation district-lake system under global climate change. Ecological Indicators, 177, 113802. https://doi.org/10.1016/j.ecolind.2025.113802 , @2025	5
	75. Almarines, N.R., Hashimoto, S., Pulhin, J.M. et al. Spatiotemporal dynamics of bioproduction systems and ecosystem services in the Baroro and Pagsanjan-Lumban watersheds, Philippines. Paddy Water Environ (2024). https://doi.org/10.1007/s10333-024-01015-2 , @2024	5

	74. Chen Y, Vardon M (2024) Accounting for water-related ecosystem services to provide information for water policy and management: An Australian case study. Ecosystem Services 69: 101658. https://doi.org/10.1016/j.ecoser.2024.101658 , @2024	5
	73. Costadone L, Lai TY, Hurskainen P, Kopperoinen L (2024) Co-creating urban ecosystem accounting: Physical and monetary accounts of runoff retention service provided by urban green spaces, Ecosystem Services, Volume 65, 2024, 101576, https://doi.org/10.1016/j.ecoser.2023.101576 , @2024	5
	72. Gómez-Gutiérrez, Á. et al. (2024). A Methodological Approach to the Study of Geomorphological Dynamics and Functional Connectivity in Mediterranean Mountain Areas. In: Calabrò, F., Madureira, L., Morabito, F.C., Piñeira Mantiñán, M.J. (eds) Networks, Markets & People. NMP 2024. Lecture Notes in Networks and Systems, vol 1185. Springer, Cham. https://doi.org/10.1007/978-3-031-74672-7_38 , @2024	5
	71. Hadipour, M, Pourebrahim S, Heidari H, Nikooy F, Ahmed AN, Ern CJ (2024) Evaluation of water resource balance in the Urmia Lake Basin: Integrating carrying capacity and water footprint model for sustainable management. Ecological Indicators, Volume 166, 112464, ISSN 1470-160X, https://doi.org/10.1016/j.ecolind.2024.112464 , @2024	5
	70. Kurrahman T, Ming Tsai F, Sethanan K, Lim MK, Tseng ML (2024) Data-driven natural capital accounting model in Indonesia: Impacts of environmentally related economic activities on ecological processes and services. Journal of Cleaner Production, 143213. https://doi.org/10.1016/j.jclepro.2024.143213 , @2024	5
	69. Liu, D., & Ren, Q. (2024). Dynamic interactions and mechanisms between high-quality urbanization and ecosystem service value in Shandong Province: Trends, coordination, and implications for sustainable development. Land Degradation & Development, 1–19. https://doi.org/10.1002/ldr.5093 , @2024	5
	68. Loc, H.H., Thanavanh, T., Nguyet, D.A. et al. Understanding the impacts of land use changes on the sustainability of hydrological ecosystem services: the case of Pasak River Basin, Thailand. Environ Dev Sustain (2024). https://doi.org/10.1007/s10668-024-05824-7 , @2024	5

	67. Lu, Y., Qin, F. (2024). Improvements in the InVEST water purification model for detecting spatio-temporal changes in total nitrogen and total phosphorus discharges in the Huai river watershed, China. <i>Journal of Environmental Management</i> , 366, 121918. https://doi.org/10.1016/j.jenvman.2024.121918 , @2024	5
	66. Peng Q, Wu D, Lin W, Fan S, Su K. Dynamic Land-Use Patterns and the Associated Impacts on Ecosystem Services Value in Putian City, China. <i>Applied Sciences</i> . 2024; 14(11):4554. https://doi.org/10.3390/app14114554 , @2024	5
	65. Proutsos, N. D., Fotelli, M. N., Stefanidis, S. P., & Tigkas, D. (2024). Assessing the Accuracy of 50 Temperature-Based Models for Estimating Potential Evapotranspiration (PET) in a Mediterranean Mountainous Forest Environment. <i>Atmosphere</i> , 15(6), 662. https://doi.org/10.3390/atmos15060662 , @2024	5
	64. Reinwald, F., Weichselbaumer, Roswitha, S., & Arthur, Damyanovic, D. (2024). From strategy to implementation: Mainstreaming urban green infrastructure in Austria's spatial planning instruments for climate change adaptation. <i>Urban Forestry & Urban Greening</i> , 128232. https://doi.org/10.1016/j.ufug.2024.128232 , @2024	5
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Общ брой точки за показател Д12:		30

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№	Цитати	Брой точки
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Общ брой точки за показател Д13:		18
Общ брой точки за група Д, показатели Д11+Д12+Д13:		518

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