



Chief Assistant Dr. Rositsa Yaneva

Forest Research Institute, Bulgarian Academy of Sciences
St. Kliment Ohridski Blvd. 132, 1756 Sofia, Bulgaria
Tel. (office): +359 2 9620447
E-mail: r.s.yaneva@gmail.com
www.linkedin.com/in/rositsa-yaneva
https://www.researchgate.net/profile/Rositsa_Yaneva

Research interests: Forest ecology, Green infrastructure, Natural resources management, Landscape ecology, GIS

Education:

2016: PhD – Physical geography and landscape science, National institute of geophysics, geodesy and geography – BAS

2012: Master of Engineering in Geodesy, University of architecture, civil engineering and geodesy, Sofia

Academic recognition:

Danubius Young Scientist Award, 2016. Federal Ministry of Science, Research and Economy, Austria

Training:

2016: Post-doctoral fellow in the international research center UMI iGlobes, CNRS/Department of Biosphere 2, University of Arizona, USA

Employment:

2018-present: Chief assistant, Department of Forest ecology, Forest Research Institute, BAS

2017-2018: Assistant, Department of Forest ecology, Forest Research Institute, BAS

2017: Consultant - Water resources data and mapping, Water security & IWRM GSG program, The World Bank Group

2016: Key expert "Spatial data processing" – TUNESinURB Project

2014-2016: Researcher – SWAN Project

Administrative responsibilities:

2018 - present: PR in Forest Research Institute – BAS

Membership in scientific organisations: Bulgarian Cartographic Association; Bulgarian Geographic Society; Ecosystem Services Partnership (ESP)

Selected publications for last five years:

Glushkova M, Zhiyanski M, Nedkov S, **Yaneva R**, Stoeva L (2020) Ecosystem services from mountain forest ecosystems: conceptual framework, approach and challenges. *Silva balcanica*, 21, 1.

Yaneva R, Zhiyanski M, Dodev Y (2020) Bioaccumulation of potentially toxic elements within the soil–plant system in Central Balkan region: analysis of the forest ecosystem capacity to mediate toxic elements. *Environmental Geochemistry and Health, Special Issue*, Springer Netherlands.

Glushkova M, Zhiyanski M, **Yaneva R** (2020) Assessment and mapping of mountain forest ecosystem services: the case study of Pirin National park. *Proceedings Vol. 1*, 8th

- International Conference on Cartography and GIS, Nessebar, Bulgaria ISSN: 1314-0604, Eds: Bandrova T., Konečný M., Marinova S., 1, Bulgarian Cartographic Association.
- Glushkova M, Zhiyanski M, Bozhilova M, **Yaneva R** (2020) Mapping economic valuation of selected ecosystem services provided by a protected area in Rhodopes Mountain. Proceedings Vol. 1, 8th International Conference on Cartography and GIS, Nessebar, Bulgaria ISSN: 1314-0604, Eds: Bandrova T., Konečný M., Marinova S., 1, Bulgarian Cartographic Association.
- Zhiyanski M, Glushkova M, **Yaneva R** (2020) Mapping soil properties and radionuclides distribution in polar ecosystems of Livingston Island. Proceedings Vol. 1, 8th International Conference on Cartography and GIS, Nessebar, Bulgaria ISSN: 1314-0604, Eds: Bandrova T., Konečný M., Marinova S., 1, Bulgarian Cartographic Association, ISSN:1314-0604, 213-222.
- Malcheva B, Nustorova M, Zhiyanski M, Sokolovska M, **Yaneva R**, Abakumov E (2020) Diversity and activity of microorganisms in Antarctic polar soils. *One ecosystem*.
- Varumo L, **Yaneva R**, Koppel T, Koske I.-M, Garcia M.C, Sozzo S, Morello E, Dictor M.-C (2020) An empirical analysis of citizen engagement for the EU post-2020 biodiversity strategy. *Sustainability*, 12, 4, MDPI, ISSN:20711050.
- Abakumov E, Zhiyanski M, **Yaneva R** (2020) An ornithogenic factor in the formation of tundra vegetation and gray-humus soils on Livingston Island, West Antarctica. *Russian ornithological journal*, 29. (in Russian)
- Yaneva R**, Cortinas J (2019) Integrated assessment and modelling of the spatially explicit perceptions of social demands for ecosystem services. *Smart Geography*, 100 years Bulgarian Geographical Society, Springer.
- Gribacheva N, Gecheva G, **Yaneva R** (2019) Moss monitoring of atmospheric deposition in Western Rhodopes, Bulgaria. *Silva Balcanica*, 20, 2, Forest Research Institute.
- Yaneva R**, Pavlova-Traikova E. (2019) Multi-criteria analysis for erosion processes investigation. Application of GIS tools for the Stryama River watershed. In: Zhiyanski et al. (Eds.) *Proceeding papers - 150 years of Bulgarian Academy of Sciences*, 119-128. Professor Marin Drinov Academic Publishing House, ISBN:978-619-245-001-4, 119-128. (in Bulgarian)
- Yaneva R**, Zhiyanski M, Markoff I, Sokolovska M, Nedkov S (2018) Assessment and mapping the dynamics of soil properties in selected forest stands from the region of Central Balkan National Park in the context of ecosystem services. *One ecosystem*, 3, Pensoft Publishers.
- Nedkov S, Zhiyanski M, Dimitrov S, Borisova B, Popov A, Ihtimanski I, **Yaneva R**, Nikolov P, Bratanova-Doncheva S (2017) Mapping and assessment of urban ecosystem condition and services using integrated index of spatial structure. *One ecosystem*, 2: e14499, Pensoft.
- Yaneva R** (2016) Mapping Ecosystem Services Supply: Challenges and Opportunities in the Geo-Spatial Analysis. Proceedings, Vol. 1 and Vol. 2. 6th International Conference on Cartography and GIS, Bulgarian Cartographic Association.
- Yaneva R** (2016) Qualitative assessment of the supply and demand of ecosystem services in the Pantano Wash watershed. *Water bankruptcy in the land of plenty*, CRC Press.
- Serrat-Capdevila A, Cabello V, Boyanova K, Poupeau F, Hernández-Mora N, Gupta H, Yang Z, Limones N, O'Neill B, Segura Calero S, Benites-Gambirazio E, **Yaneva R**, Coeurdray M, Cortinas J, Kuhn K, Harris S, Sans-Fuentes M, Curley E, del Moral L, Valdes J, Schneier-Madanés G, King O, Rodrigues D, Salmoral G (2016) Bringing all the stories together: Beyond the Tucson case study. *Water Bankruptcy in the Land of Plenty*, CRC Press.
- Yaneva R**, Zhelezov G (2016) Landscape diversity of the Danube plain – exploring the peculiarities in Lom municipality, North-western Bulgaria. *Landscape and Landscape Ecology*. Proceedings of the 17th International Symposium on Landscape Ecology, Institute of Landscape Ecology, Slovak Academy of Sciences.

Selected projects for last five years:

- Biodiversity of forest ecosystems in Sredna Stara planina Mountain under the condition of changes. National Scientific Fund, Ministry of education and science. Project coordinator: Chief assist. Rositsa Yaneva, PhD (2020-2022)
- Assessment of the regional contribution of soils of maritime Antarctica islands to global carbon balance with evaluation of stabilization and humification rate of organic matter - National Scientific Fund, Ministry of education and science. Project coordinator: Prof. Miglena Zhiyanski (2019-2021)
- Greenhouse gases inventory from the land use, land-use change and forestry (LULUCF) and the relevant part of the UNFCCC National Report for 2018 and 2019: PI FRI-BAS: Assist. Lora Stoeva (2019 – 2021)
- Assessment and mapping of ecosystem services in high-mountain territories in Rila and Pirin for sustainable management (MAPESMOUNT) - National Scientific Fund, Ministry of education and science. Project coordinator: Assoc. Prof. Maria Glushkova, PhD (2019 – 2021)
- Mapping and comparative assessment of ecosystem services in mountain protected areas in Rhodopes (Bulgaria) and Altai (Russia) – MOUNTPRO, National Scientific Fund, Ministry of education and science. Project coordinator: Assoc. Prof. Maria Glushkova, PhD (2019 – 2021)
- Forest treeline shifting in the forest reserve Tsarichina - example of positive response of the forest ecosystems to the climate change and land use change. National Scientific Fund, Ministry of education and science. Project coordinator: Chief assist. Dimitar P. Dimitrov, PhD (2019 – 2021)
- Soil Erosion and Torrential Flood Prevention: Curriculum Development at the Universities of Western Balkans Countries (SETOF). ERASMUS+, Horizon 2020. PI FRI_BAS: Chief assist. Eli Pavlova-Traikova, PhD (2018-2021)
- National research program "Environmental protection and reduction of adverse events and natural disasters' risks"- WP 1.8, Ministry of education and science. PI FRI_BAS: Prof. Miglena Zhiyanski (2018-2023)
- Biomonitoring of polar ecosystem components' state in Livingston Island under global changes (BIOMONPOLAR) – National programme for polar research, Ministry of education and science. Project coordinator: Prof. Miglena Zhiyanski (2018 –2019)
- Integrated analysis on the capacity of forest ecosystems from Sredna Stara planina Mountain to reduce the impact of toxic elements: state, dispersion, decay and impact - National Scientific Fund, Ministry of education and science. Project coordinator: Chief assist. Rositsa Yaneva, PhD (2020-2022)
- Linking networks of protected areas to territorial development (LinkPAs), ESPON project. PI FRI_BAS: Prof. Miglena Zhiyanski (2017 – 2018)
- Toward better Understanding the Ecosystem Services in URBan environments trough assessment and mapping (TUNESinURB), of BG03 "Biological diversity and ecosystems", EEA grant. Project coordinator: Prof. Miglena Zhiyanski (2015-2017)
- Sustainable Water Action (SWAN): Building Research Links between EU and US, 7 Framework programme of the EU. PI Bulgarian team: Prof. Stoyan Nedkov, NIGGG-BAS (2014 – 2016)