



Mariam Raffi Bozhilova, PhD

Forest Research Institute, Bulgarian Academy of Sciences

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Research Gate: https://www.researchgate.net/profile/Mariam_Bozhilova

Date and place of birth: 26th of March 1976, Sofia

Research interests: Biodiversity, non-wood forest products, medicinal plants

Education:

2012: PhD in Botany, Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences (BAS). Thesis: Ecobiological and phytochemical *in situ* and *ex situ* investigation of *Rhodiola rosea* L. in Bulgaria.

2001.: Ecology, Master's degree, Sofia University St. Kliment Ohridski, Faculty of Biology

Employment:

2019 to present: Chief assistant, Forest Research Institute, BAS

2018-2019: Assistant, Forest Research Institute, BAS

2010-2017: Environmental manager , GeoMarine Ltd.

2009-2010: Biologist, Institute of Botany, BAS

Publications:

List of selected publications for the last five years:

Bozhilova, M., Zhiyanski, M., Glogov, P. (2020) Green roofs and green walls – legislative framework in Bulgaria. *Silva Balcanica* (21) 2, 45-51.

Bozhilova, M., Zhiyanski, M., Glogov, P. (2020) Legislative requirements related to substrate depth as a barrier to the construction of green roofs in Bulgaria. *Silva Balcanica* (21) 2: 99-104.

Bozhilova, M., Zhiyanski, M. (2020) Efficiency of green roofs with different depth and ways to reflect it in the legislative requirements. 20th International Multidisciplinary Scientific Geoconference & Expo SGEM 2020, Albena, Bulgaria.

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, 2020, Nessebar, Bulgaria, 222-232.

Glogov, P., Gyudorova, S., Georgieva, M.L, **Bozhilova, M.** (2020) Update of the classification of potential vegetation in the Iskar River gorge between Plana and Lozenska Mountains. Proceedings of the 29th International Scientific Conference Management and Quality for Young Scientists 2020, Sofia, 83-99.

Glogov, P., **Bozhilova, M.**, Georgieva, M.L, Gyudorova, S. (2020) Preparation of an up-to-date map of the potential vegetation in the gorge of the Iskar River between Plana and Lozenska Mountain. Proceedings of the 29th International Scientific Conference Management and Quality for Young Scientists 2020, Sofia, 100-108.

Bozhilova, M. (2019) Morphometric Characteristics of *Galium odoratum* L. (Scop). from Bulgaria. *Journal of Medicinal Plants Studies* 7 (9): 109-112.

Bozhilova, M. (2019) Variability and Correlation of the Morphometric Characteristics of *Rhodiola rosea* L. *Multidisciplinary Journal of Science, Education and Art*.

Bozhilova, M. (2019) Morphometric Characteristics of Wild and Cultivated *Rhodiola rosea* L. *Multidisciplinary Journal of Science, Education and Art*.

- Bozhilova, M.** (2019) Assessment of the degree of impact on natural habitats and species subject to protection in Natura 2000 sites. Proceedings 150 years Bulgarian Academy of Sciences, Academic Publishing House "Prof. Marin Drinov", 281-289.
- Glogov, P., Georgieva, M.L, Popov, G., **Bozhilova, M.**, Delkov, A. (2019) Honey plants in the dendroflora of Lozenska mountain. Proceedings 150 years Bulgarian Academy of Sciences, Academic Publishing House "Prof. Marin Drinov", 253-262.
- Bozhilova, M.** (2018) Determination of the rhizome biomass of *Rhodiola rosea* L. by the approximation method. Forest science 54 (2): 92-101.
- Bozhilova, M.** (2015) Planning and execution of monitoring of the marine and terrestrial environment for a large scale infrastructure project in Bulgaria. 15th International Multidisciplinary Scientific Geoconference & Expo SGEM 2015, Albena, Bulgaria.

Projects: Participant and/or coordinator in more than 40 national and international projects.

List of selected projects for the last 5 years:

- Green Infrastructure - Integration opportunities on the road to a circular economy, sustainable and healthy urban environment, project within the framework of COST Action CA17133- Implementing nature based solutions for creating a resourceful circular city, ongoing
- Pre-investment studies for removal of mud from Lake Srebarna, NP Srebarna. Preparation of a program with measures and actions regarding periods, location and possible quantities for extraction, ongoing
- Environmental assessment of the Integrated Plan in the field of energy and climate of the Republic of Bulgaria 2021 - 2030 and the Strategy for sustainable energy development of the Republic of Bulgaria until 2030 with a horizon until 2050, ongoing
- Environmental Assessment of the General Development Plan of Plovdiv municipality, ongoing
- Environmental Assessment of the General Development Plan of Borovan municipality, ongoing
- Environmental and social monitoring of the project "Interconnector Greece - Bulgaria" for compliance with the standards of the European Investment Bank, ongoing
- Environmental Impact Assessment Report, project "Improvement of navigation conditions on the Romanian-Bulgarian Danube common sector of the Danube", ongoing
- Control and validation of the results of the performed analyzes and studies of the species and natural habitats in Bulgaria, subject of reporting according to art. 17 of the Habitats Directive and Art. 12 of the Birds Directive, ongoing
- Services for preparation of a Plan for restoration of partially damaged natural habitats, including outside protected areas, according to the EIA Report for construction of the South Stream gas pipeline on the territory of the Republic of Bulgaria containing the exemplary methodologies attached to the AA Report for the different habitats for project "Expansion of gas transmission infrastructure of Bulgartransgaz EAD parallel to the northern (highway) gas pipeline to the Bulgarian-Serbian border", 2020
- Services for preparation of a Relocation Plan - *Limonium bulgaricum* in relation with the implementation of the project "Expansion of gas transmission infrastructure of Bulgartransgaz EAD parallel to the northern (highway) gas pipeline to the Bulgarian-Serbian border", 2020
- Conservation and sustainable capitalization of biodiversity in forested areas (BIOPROSPECT), INTERREG V-B "Balkan-Mediterranean 2014-2020", 2019-2020
- Concept for integration of the ecosystem approach in the policies and instruments for spatial urban planning. Development of a methodology for mapping and biophysical assessment of the state of urbanized ecosystems and the ecosystem services provided by them for the purpose of planning and better management of green infrastructure on the territory of Sofia Municipality, 2020

- Consulting services related to: landscape research; determination of the species composition and condition of the tree and bush vegetation; inspection of the avifauna; preparation of phytosanitary assessment for Site "NM 151", Sofia, 2020
- Environmental Assessment of the General development plan of Rakitovo municipality, 2017-2019
- Environmental Assessment of the General Development Plan of Stamboliiski municipality, ongoing, 2018 – 2019
- Environmental Assessment of the General Development Plan of Miziya municipality, 2015-2017
- Environmental Assessment of the General Development Plan of Slivo Pole municipality, 2015-2016
- Environmental Assessment of the General Development Plan of Bratsigovo municipality, 2015-2016
- Environmental Impact Assessment, Khan Kubrat Block, 2017
- Environmental Impact Assessment and Appropriate Assessment for investment proposal "New high-voltage line of 400 kV of ss "Varna" up to ss "Burgas", 2015-2017
- Environmental onshore and offshore monitoring during the pre-construction and construction phase of "South Stream Offshore Gas Pipeline Project", 2014-2016