



Assistant Dr. Lora Nikolaeva Kirova

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ReserchGate: : https://www.researchgate.net/profile/Lora_Kirova

Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=57193568917>

Date and birth place: 17 July 1985, Pleven

Research interests: Forest ecology, Soil science, Sustainable management of the natural resources, Carbon accumulation in the ecosystem components.

Education:

2020: PhD in Ecology and environmental protection, Forest Research Institute, BAS, Thesis: „Land use effect on carbon accumulation in ecosystems from the region of Central Stara Planina mountain“

2010: MSc in Ecology and environmental protection, University of Chemical Technologies and Metallurgy, Sofia, Bulgaria

2008: BSc in Ecology and environmental protection, Plovdiv University "Paisii Hilendarski", Plovdiv, Bulgaria

Training:

2014: Identifying the human activity pressure on soil organic matter content and composition under grasslands in the mountainous treeline zone, in Agroscope, Zurich – Switzerland.

2009: Characterization of solid waste from TPP "Maritsa East 3" - Galabovo and research of the possibility of hydrothermal treatment of ash, in University of Aveiro, Aveiro – Portugal

Employment:

2020-present: Assistant, Department of Forest ecology, Forest Research Institute, BAS

2019-2020: Researcher, ecologist, one year contract funded by the National program “Young scientists and post-doctoral”, the Ministry of Education and Science, in Forest Research Institute, BAS

2013-2018: Full-time PhD student, Forest Research Institute, BAS

1985-1989: Assistant Professor, Experimental Station for Fast-Growing Forest Trees Species – Svishtov

2010-2013: Jr. Expert – ecologist, National Centre of public health and analyses

2011-2013: Jr. Expert – ecologist for Environmental Impact Assessment Report, MMM ltd.

Publications: 6 papers published and 1 in print (4 in peer-reviewed journals). The list of selected publications for the last five years:

Kirova L, Zhiyanski M (2020) Carbon content in soils after forestry activities in beech plantations in the western Stara Planina. *Forest Science* (in print).

Kirova L, Zhiyanski M (2019) Soil characteristics of mountain pastures and meadows under different management. *Proceedings 150 years of the Bulgarian Academy of Sciences*. Publ. Marin Drinov, Sofia, 89-102.

Kirova L (2018) Comparative analyses on some soil characteristics in different land uses from Central Balkan Mountains. *Proceeding papers of the International Scientific Conference “90 Years Forest Research Institute – for the Society and Nature”*, Sofia, 305-316.

Zhiyanski M, Glushkova M, **Kirova L**, Filcheva E (2017) Quantitative and qualitative features of soil humus in mountain treeline ecosystems. *Silva Balcanica* (1): 5-23.

Menichetti L, Leifeld J, **Kirova L**, Szidat S, Zhiyanski M (2017) Consequences of planned afforestation versus natural forest regrowth after disturbance for soil C stocks in Eastern European mountains. *Geoderma* 297: 19-27.

Zhiyanski M, Gikov A, Nedkov S, Dimitrov P, **Naydenova L** (2016). Mapping carbon storage using Land Cover/Land Use data in the area of Beklemeto, Central Balkan. In *Sustainable Mountain Regions: Challenges and Perspectives in Southeastern Europe*. Springer, Cham. 53-65.

Research projects: Coordinator or participant in 4 national and international research projects. The projects for the last 5 years are listed below:

- Inventory of greenhouse gases (GHG) from the sector "Land use, land use change and forestry" (LULUCF) and the relevant part of the National Report under the UNFCCC for 2018 and 2019 (for the reports in 2020 and 2021). Funded by EEA. 2019-2021. Project Leader: Lora Stoeva.
- Assessment of the bioproductivity of fast-growing deciduous species. Funded by FNI. 2016-2021. Project Leader: Assoc. Prof. Dr. V. Gyuleva.
- Spatial and temporal changes of soil indicators after forestry activities. Funded by Ministry of Education and Science. 2019-2020. Project Leader: Lora Kirova.
- Land-use and management impacts on carbon sequestration in mountain ecosystems. Funded by SNCF and Ministry of Education and Science. 2013-2015. Project Leaders: Prof. DSc M. Zhiyanski, Dr. Jens Leifeld.