

Aleksandar Popović

Research Associate | FOREST MANAGEMENT PLANNING

Aleksandar Popović is a Research Associate at the University of Belgrade – Faculty of Forestry. He has been engaged at the Faculty since 2017 and was appointed Research Associate in the field of Biotechnical Sciences in 2024.

He completed his Bachelor's and Master's studies at the University of Belgrade – Faculty of Forestry, with a focus on forest management planning, and obtained his PhD in 2023. His doctoral research focused on the ecological, structural and productive characteristics of Serbian spruce, Macedonian pine and Austrian pine in the context of habitat conservation and protection.

His research focuses on the development of contemporary forest management systems and improved planning approaches under changing ecological and production conditions. A particular emphasis is placed on developing an active adaptive approach to forest management planning, based on monitoring forest ecosystem conditions, assessing risks and adjusting management decisions accordingly. Within this framework, he also investigates small-scale forest management systems and approaches for better integration of operational, tactical and strategic planning levels. A particular area of interest is the management planning of high-value coniferous and mixed spruce, fir and beech forests, while balancing their productive, ecological and protective functions.

A second major research direction connects forest management planning with forest ecosystem ecology, natural regeneration, and the conservation and protection of rare, relict and threatened tree species. Particular attention is given to Serbian spruce (*Picea omorika*), its natural regeneration, habitat conservation and the enhancement of forest ecosystem resilience.

His research combines GIS and spatial analysis, statistical and quantitative methods, and experimental approaches, aiming to develop science-based solutions for sustainable and adaptive forest ecosystem management.

Since 2019, he has been involved in teaching Forest Management Planning, with a focus on GIS and spatial planning in forestry.

Narrow Scientific Field: Forest Management Planning

Languages: English and Russian