



**Assoc. Prof. Dr. Svetozar Ivanov Madzhov**

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Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=7201589482>

**Date and place of birth:** October 4, 1976, Sofia

**Scientific activity:** forest reclamation, research, design and construction of forest roads, forest transport, mechanization, technical - economic analyzes of the processes in the forests.

**Education:**

2009: Master's degree in business administration, University of National and World Economy, Sofia

2007: Doctor (educational and scientific degree "Doctor"), Sofia University of Forestry, on the topic: "Research and optimization of the parameters of the system for distribution and management of the stock of spare parts for engines of tractors TC - 80"

2000: Master's degree in Forestry Engineer, University of Forestry, Sofia,

**Specialisations:**

2015: University of Architecture, Civil Engineering and Geodesy Sofia, on the topic: "Design and construction of roads"

**Work experience:**

2020-present: Associate Professor, Institute of Forestry, Bulgarian Academy of Sciences (BAS)

2016-2020: Ch. Assistant, Forest Institute, BAS

2014-2016: Engineer, Institute of Forestry, BAS

2011-2014: Head of Rental and Service, Kirov AD

2009-2011: Commercial Director, Europrefabricati Bulgaria AD

2008-2009: Commercial Director, Technowood EAD

2006-2008: Commercial Director, Stroyrent OOD

**Administrative responsibilities:**

2011-2014: Head of Rental and Service, Kirov AD

2009-2011: Commercial Director, Europrefabricati Bulgaria AD

2008-2009: Commercial Director, Technowood EAD

2006-2008: Commercial Director, Stroyrent OOD

**Teaching activity:**

2003-2005: Part-time assistant at the University of Forestry, Sofia

**Membership in scientific organisations:** Union of Scientists in Bulgaria; Union of Quality Specialists - NTS.

**Publications:** Ten books and 50 published articles (over 10 in peer-reviewed editions). List of selected publications for the last 5 years:

**Madzhov S** (2020) Research and Follow up of results on the Reliability Level of Backhoe Loaders. Journal of Environmental Science and Engineering B, 9 (2): 82-86.

- Madzhov S** (2019) Diagnosis of machines in the forestry systems. Journal of Environmental Science and Engineering B 8 (3): 103-107.
- Madzhov S** (2019) Research on the Reliability Level of Backhoe Loaders' Diesel Engines. Journal of Environmental Science and Engineering A, 8 (4): 173-179.
- Madzhov S** (2019) Research on the Reliability Level of Backhoe Loaders. Journal of Environmental Science and Engineering B, 8 (4): 134-138.
- Madzhov S** (2018) Model for Optimal Management of the Spare Parts Stock at an Irregular Distribution of Spare Parts. Journal of Environmental Science and Engineering 7 (6): 238-245.
- Madzhov S** (2018) Optimal Management of the Spare Parts Stock at Their Regular Distribution. Journal of Environmental Science and Engineering 7 (6): 255-260.
- Madzhov S** (2018) Maintenance and repair of forest roads. Journal of Environmental Science and Engineering B 7 (8): 266-274.
- Madzhov S** (2018) Maintenance of the forest roads in winter. Journal of Environmental Science and Engineering A 7 (8): 313-321.

**Projects:** Participant and / or leader in over 50 national and international scientific and applied projects. List of selected projects for the last 5 years:

- Opportunities for regeneration of coppice oak forests in the conditions of climate change - Assignor MES - BAS 2017 - 2019 Head: Assoc. Prof. Dr. Grud Popov.
- Health condition of forests of chestnut (*Castanea sativa* Mill.) In Belasitsa and Ograzhden and measures to improve their condition. Southwestern State Enterprise - MAF (2018-2020). Supervisor: Assoc. Prof. Dr. Margarita Georgieva
- Protecting the environment and reducing the risk of adverse events and natural disasters. FP I.1.4 Impact of climate change on forest ecosystems. Contract №D01-230 / 06.12.2018 financed by the Ministry of Education and Science (2018-2022) Head: Assoc. Prof. Dr. Margarita Georgieva
- Forestry concept for sustainable management of eastern hornbeam forests (*Carpinus orientalis* Mill.) On the territory of "Southwestern State Enterprise" DPP0-01-31 / 05.04.2018 MAFW - South-Eastern Development Project 2018 Head: Ch. Assistant Professor Dr. Yonko Dodev
- For everyone saved a tree (FOREST). Coordinator project №cb007.2.32.170 - under Interreg-IPA Cross-border Cooperation Program Bulgaria - Serbia (2019-2020).
- COST Action FP1303 "Performance of bio-based building materials" - 22.09.2013-22.09.2017 Management Committee member;
- COST Action FP1402 -Basis of structural timber design - from research to standards - 25.11.2014 -25.11.2018 Management Committee member;
- COST FP 1404 - Fire safe use of bio-based building products 05.12.2014 -05.12.2018 Management Committee member;
- COST CA 16123 - Safety Culture and Risk Management in Agriculture 17 / 03/2017 - 16.03.2021 Management Committee member;
- COST Action CA18119 - Who Cares in Europe? -20.03.2019 -19.03.2023. Management Committee member;
- Study of the experience of European countries in the design and construction of forest roads and opportunities for its application in Bulgaria - Assignor: MES - BAS 2017 - 2019; Head: Chief Assistant Dr. Svetozar Madzhov.
- Development of a methodology for assessment, maintenance and repair of forest roads in Bulgaria Client: MES - BAS 2020-2022. Head: Ch. Assistant Professor Svetozar Madzhov, PhD