



## Boris Najdovski

**Nationality:** Macedonian/citizen of the Republic of North Macedonia **Date of birth:** 13/10/1985 **Place of birth:** Skopje, North Macedonia **Gender:** Male **Phone:** ☎ (+389) 75323353 (Mobile) ✉ **Email address:** [borisnajdovski@gmail.com](mailto:borisnajdovski@gmail.com) ✉ **Email address:** [najdovski@sf.ukim.edu.mk](mailto:najdovski@sf.ukim.edu.mk) 🌐 **Website:** [https://sf.ukim.edu.mk/en/instructor/boris\\_najdovski/](https://sf.ukim.edu.mk/en/instructor/boris_najdovski/) 📍 **Address:** 16 Makedonska Brigada No.1, 1000, Skopje, North Macedonia (Work)

### ABOUT ME

Born in 1985 in Skopje, he graduated from the Faculty of Forestry in Skopje in 2012, majoring in Landscaping and Environmental Improvement. He obtained his Master's degree in Forestry Sciences in 2016 with a thesis on changes in mountain grasslands in the Upper Bregalnica region. In 2025, he earned his PhD in Biotechnical Sciences from the University of Novi Sad, Serbia, with a dissertation on microbiological activity and soil respiration in relation to temperature and moisture. His research focuses on soil properties, soil organic matter, nutrient cycling, soil carbon sequestration, and the application of geomatics techniques in soil studies.

### WORK EXPERIENCE

**Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering** - North Macedonia, Skopje

#### Assistant Professor

[ 16/01/2026 - Current ]

- Teaches the courses "Plant Nutrition," "High-Mountain Ecosystems," and "Introduction to Forestry."
- Conducting lecture-based and laboratory exercises in "Pedology with Petrography" and "Reclamation of Degraded Forests and Shrublands."
- Performing pedological and other professional analyses in the soil laboratory, supporting both teaching and applied faculty activities.

**Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering** - North Macedonia, Skopje

#### Teaching assistant in universities

[ 13/05/2020 - 15/02/2026 ]

### EDUCATION & TRAINING

#### Doctor of Science - Biotechnical Sciences, Ph.D.

**University of Novi Sad - Faculty of Agriculture** [ 01/10/2017 - 08/10/2025 ]

**City:** Novi Sad | **Country:** Serbia

**Website:** <http://polj.uns.ac.rs/en;%20http://hdl.handle.net/20.500.12188/34291> | **Field(s) of study:** Agriculture: ; Soil Science: | **Thesis:** "Soil microbial activity and respiration depending on the temperature and humidity of the soil"

#### MSc in Forest Sciences

**Ss. Cyril and Methodius University in Skopje - Faculty of Forestry** [ 01/10/2012 - 12/09/2016 ]

**City:** Skopje | **Country:** North Macedonia

**Website:** <https://sf.ukim.edu.mk/en/> | **Field(s) of study:** Forest Successions: ; Stand Dynamics: | **Thesis:** Analysis of the vegetation change of the mountain grasslands in the upper Bregalnica forest areas

## BSc in Forestry

**Ss. Cyril and Methodius University in Skopje - Faculty of Forestry** [ 01/09/2004 - 10/06/2012 ]

**City:** Skopje | **Country:** North Macedonia

**Website:** <https://sf.ukim.edu.mk/en/> | **Field(s) of study:** Forest communities: | **Final grade:** 10 (A) | **Thesis:** Forest communities on Vodno Mountain

The graduate engineer in Landscaping and improvement of the environment is qualified for: forest trees and ornamental plants, forest cultivation and management, nursery production, raising of forest plantations, protection of forests, forest roads, forest exploitation techniques, trade in forest products, design and planning of horticultural facilities, nature and environment protection, forest fire management, amelioration of degraded forests and shrubs, planning, arising and care of urban green areas and solving biotechnical and engineering problems using advanced software tools and practices.

## LANGUAGE SKILLS

**Mother tongue(s):** Macedonian | Serbian

### English

**LISTENING:** C1 **READING:** C1 **WRITING:** C1

**SPOKEN PRODUCTION:** C1

**SPOKEN INTERACTION:** C1

### French

**LISTENING:** A2 **READING:** A2 **WRITING:** A2

**SPOKEN PRODUCTION:** A2

**SPOKEN INTERACTION:** A2

## SKILLS

### Skills

MS Office | Landscape Design | CAD (AutoCAD) | GIS (ArcGIS, QGIS) | Social media | R studio

## PROJECTS

[ 16/01/2026 - Current ]

**Small Scale Funding Agreement with UNEP - SSFA/2025/8762 and Amendment No.1 to the SSFA/2025/8762** The UNEP in cooperation with the Ministry of Environment and Physical Planning (MOEPP) implements the GEF-

funded project "Promoting sustainable land management (SLM) through strengthening legal and institutional framework, capacity building and restoration of most vulnerable mountain landscapes improving management of protected areas".

IPECC through SSFA/2025/8762 will support the first Phase of the development of Soil Protection Strategy and Guidelines for Establishing Soil Quality Monitoring Programme, by assisting the Government and relevant Ministries through a transparent and participative process to establish the grounds for preparation of the Soil Protection Strategy and raise the awareness.

Position: Forestry expert

Main task: Contribute to the development of the Methodology and the Content of the Soil Protection Strategy; Assess the impact of forestry practices and deforestation on soil quality; Identify the current status of the soil related to forestry; Provide guidelines for the protection of forest soils as a specific soil category; Propose

forest-based solutions for soil protection.

Contractor: Institute for Good Governance and Policy in Environment and Climate Change (IPECC)

Reference person: Jadranka Ivanova, Team Leader; telephone number: +389 (0) 75250234, email: [jadrankaivanova@hotmail.com](mailto:jadrankaivanova@hotmail.com) , [contact@ipecc.org.mk](mailto:contact@ipecc.org.mk)

[ 01/11/2025 - Current ]

**UNDP Project: 00122883 - Scaling up actions to tackle air pollution: Preparation of Initial design, Basic Design & Design Supervision: Landscaping (green corridor) of Kavadarecki Dol** UNDP Project: 00122883 - Scaling up actions to tackle air pollution

Preparation of Initial design, Basic Design & Design Supervision: Landscaping (green corridor) of Kavadarecki Dol

Position: Landscape expert for preparation of initial and basic landscape design

Contractor: Hidro Gradezen Inzenenering DOO Skopje. Risto Ravanovski Str. 18/1, Skopje.

Contact person: Gorjan Gorcevski, Manager. E-mail: [hidro.gradezen@yahoo.com](mailto:hidro.gradezen@yahoo.com) . Tel.: +389 70 595 012

[ 15/06/2025 - Current ]

**Preserving Areas through Regional Knowledge and Sustainability (PARKS)** "Preserving Areas through Regional Knowledge and Sustainability", acronym "PARKS", Project No.

BGMK0300053, co-funded by the EU and from the National Funds of the countries participating in the Interreg VI-A IPA Bulgaria-North Macedonia 2021–2027 Programme. Project web-site: [parksproject.eu/en](http://parksproject.eu/en) .

Contractor: Regional Centre for Forestry and Rural Development (REFORD) from Skopje. Contractor web-site: <https://refordcentre.org/>; Contact person: Ivan Mincev. E-mail: [contact@refordcentre.org](mailto:contact@refordcentre.org) ; Mobile: +389 70 887 783.

Position: Expert for biological reclamation

Scope of activities: preparation of "Guide for Planting and Maintaining Woody Species and Lawns in Urban Green Areas of the Municipalities of Kriva Palanka (North Macedonia) and Dupnitsa (Bulgaria)", education of municipal public enterprises professionals for care of urban green areas, promotion of urban greenery importance for local communities to local population in both municipalities.

Outcomes: "Guide for Planting and Maintaining Woody Species and Lawns in Urban Green Areas of the Municipalities of Kriva Palanka (North Macedonia) and Dupnitsa (Bulgaria)" available at: [https://www.krivapalanka.gov.mk/wp-content/uploads/2026/01/parks\\_guide.pdf](https://www.krivapalanka.gov.mk/wp-content/uploads/2026/01/parks_guide.pdf)

[ 12/06/2025 - Current ]

**UNDP Project: 00122883 - Scaling up actions to tackle air pollution: Preparation of Initial design, Basic Design & Design Supervision: multi-functional eco pavilion and ground landscaping with greenery in Strumica** UNDP Project: 00122883 - Scaling up actions to tackle air pollution

Preparation of Initial design, Basic Design & Design Supervision: multi-functional eco pavilion and ground landscaping with greenery in Strumica

Position: Landscape expert for preparation of initial and basic landscape design

Contractor: BAR E.C.E. Naroden Front 11/1-4, Skopje.

Contact person: Vladimir Tomovski, Manager. E-mail: [tomovski@barece.com.mk](mailto:tomovski@barece.com.mk)

[ 29/04/2025 - 30/11/2025 ]

**Basic Project for the Modernization of Agriculture in the Republic of North Macedonia – for Objects with Purpose B2.6 – Buildings for Wholesale Trade, on Cadastral Parcels 217/18, 217/1, 217/20, 344/2, 345/2 and 349/1 – Cadastral Municipality Singelic 3 and Cadastral Parcel 925/1 – Cadastral Municipality Brnjarci, Municipality of Gazi Baba, Skopje – Logistics Distribution Center** Orderer: Ministry of Agriculture, Forestry and Water Economy of North Macedonia (MAFWE)

Position: Landscape Architect

Contractor: Civil Engineering Institute "Macedonia" JSC Skopje. Contact person: Aleksandra Trajkovska, Team

leader. E-mail: [aleksandra.trajkovska@gim.mk](mailto:aleksandra.trajkovska@gim.mk)

[ 09/11/2023 - 31/10/2024 ]

**UNDP. Project: 10131399 - Improving resilience to floods in the Polog region** Supported by UNDP. Project: 10131399 - Improving resilience to floods in the Polog region.

Position: Expert for supervision for the remediation of the Vardar River bed in the municipality of Gostivar.

Main task: Supervision of the remediation of the riverbed of the Vardar river in the municipality of Gostivar.

Contractor: Civil Engineering Institute "Macedonia" JSC Skopje.

Contact person: Dragan Stamev, Team leader. E-mail: [dragan.stamev@gim.mk](mailto:dragan.stamev@gim.mk)

[ 06/11/2023 - 30/09/2024 ]

**Restoration Opportunities Assessment and Design of the Restoration Interventions in North Macedonia**

Project: "Northern Forests Initiative: Forest restoration in North Macedonia and Albania (NFI)", funded by Swedish Postcode Foundation and executed by IUCN in collaboration with two national partners – Macedonian Ecological Society (MES) and Protection and Preservation of Natural Environment in Albania (PPNEA).

Overall objective of the project is to contribute toward preventing further net loss of forests in Albania and North

Macedonia through initiating restoration work in key biodiversity landscapes and strengthening capacities and commitments toward sustainable forest management.

RfP Reference: IUCN-23-09-P04432-1

Contractor: E.C.O. Institut of Ecology Jungmeier GmbH. Address: Lakeside B07 b. A - 9020 Klagenfurt. Austria.

Contact person: Jana Baumgartner. E-mail: [baumgartner@e-c-o.at](mailto:baumgartner@e-c-o.at)

Position: Expert on Nature-based solutions (NbS) for Forest Landscape Restoration (FLR) in areas of importance for the conservation of the Balkan Lynx.

[ 26/06/2023 - 31/12/2025 ]

**UNEP Small Scale Funding SMFA/2022/5535 - Preparation of Law on soil protection** Expert contract by Institute for Good Governance and Policy in Environment and Climate Change (IPECC) from Skopje, a Contracting authority for UNEP Small Scale Funding SMFA/2022/5535, as Forestry expert for preparation of Law on soil protection.

Position: Forestry expert

Main task: Soil and forest ecosystem relation, Soil contamination and soil health parameters, Soil protection and forest restoration. Contractor: Institute for Good Governance and Policy in Environment and Climate Change (IPECC) Contact person: Jadranka Ivanova. E-mail: [contact@ipecc.org.mk](mailto:contact@ipecc.org.mk)

[ 15/05/2023 - 15/10/2023 ]

**Project for biological reclamation of the surface mine for quartz "Cepenka"** Contractor: Ss. Cyril and Methodius University in Skopje; Hans Em Faculty of Forest Sciences, landscape Architecture and Environmental engineering.

Position: Expert for biological reclamation of disturbed lands

Orderer: TITAN Cement Plant USJE AD Skopje. Contact person: Dr.sc Natasha Bakreska. E-mail: [NatasaB@usje.mk](mailto:NatasaB@usje.mk)

[ 01/05/2023 - 31/07/2023 ]

**Project for biological reclamation of the surface mine for marl "Tri Krushi"** Contractor: Ss. Cyril and Methodius University in Skopje; Hans Em Faculty of Forest Sciences, landscape Architecture and Environmental engineering.

Position: Expert for biological reclamation of disturbed lands

Orderer: TITAN Cement Plant USJE AD Skopje. Contact person: Dr.sc Natasha Bakreska. E-mail:

[NatasaB@usje.mk](mailto:NatasaB@usje.mk)

[ 08/12/2022 - 31/12/2024 ]

**Improving Capacities for Natura 2000 and CITES in North Macedonia** Expert contract by NIRAS led Consortium for the Project 'Improving Capacities for Natura 2000 and CITES in North Macedonia' (no. contract reference: NEAR/SKP/2021/EA-RP/0038). Position: Expert - Forestry advisor to the Team Leader.

No. Contract reference: NEAR/SKP/2021/EA-RP/0038

Position: Expert - Forestry advisor to the Team Leader.

Tasks: Providing recommendations for the development of the Natura 2000 network on a national level related to management of forests in protected areas; Providing recommendations to the design of potential sites related to forests; Providing recommendations on outputs of the project; Review and comments on gap assessment report with focus on forest habitats and Support in delineation of Natura 2000 sites. Contact person: Dr.sc Daniel Bogner. E-mail: [boda@niras.com](mailto:boda@niras.com)

[ 01/11/2022 - 15/11/2023 ]

**Nature based solutions for prevention and mitigation of natural disasters in the cross-border area (Sol-na)** An IPA – CBC N. Macedonia – Greece Cross border Project

Contractor: Ss. Cyril and Methodius University in Skopje – Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering.

Other project partners: Hellenic Agricultural Organisation ELGO and PEMPMA "Jasen". Position: Expert on Forest Soils and Natural Succession Processes.

Contact person: Prof. dr.sc. Kiril Sotirovski, Dean. E-mail: [dekan@sf.ukim.edu.mk](mailto:dekan@sf.ukim.edu.mk)

[ 01/10/2022 - 31/12/2022 ]

**Project for biological reclamation of the surface mine for quartz sand "Vrlovica"** Contractor: Ss. Cyril and Methodius University in Skopje; Hans Em Faculty of Forest Sciences, landscape Architecture and Environmental engineering.

Position: Expert for biological reclamation of disturbed lands

Orderer: TITAN Cement Plant USJE AD Skopje. Contact person: Dr.sc Natasha Bakreska. E-mail: [NatasaB@usje.mk](mailto:NatasaB@usje.mk)

[ 01/10/2022 - 31/12/2022 ]

**Project for biological reclamation of the surface mine for tuff "Spanchevo"** Contractor: Ss. Cyril and Methodius University in Skopje; Hans Em Faculty of Forest Sciences, landscape Architecture and Environmental engineering.

Position: Expert for biological reclamation of disturbed lands

Orderer: TITAN Cement Plant USJE AD Skopje. Contact person: Dr.sc Natasha Bakreska. E-mail: [NatasaB@usje.mk](mailto:NatasaB@usje.mk)

[ 01/07/2022 - 31/12/2022 ]

**UNEP Small Scale Funding SMFA/2022/5535 - Road map to law on soil protection**

Position: Forestry expert

Main task: Preparation of Analysis of stakeholders' identification and involvement, Assessment of the current legal and institutional framework relevant for soil protection and Road map to law on soil protection.

Contractor: Institute for Good Governance and Policy in Environment and Climate Change (IPECC) Contact person: Jadranka Ivanova. E-mail: [contact@ipecc.org.mk](mailto:contact@ipecc.org.mk)

[ 01/10/2021 - 15/06/2022 ]

**Preparation of an expert report on the status of the forest affected by fires in the Maleshevo-Pijanec region in 2021 (North Macedonia) and proposals with measures for forest restoration** Supported by SDC. Project: Nature Conservation Program in Macedonia (NCP). Coordinated by Pharmachem DOOEL Skopje

Position: Expert in forest pedology, forest soil degradation and natural succession processes. Main task: Providing soil samples and soil analysis, preparation of expert report.

Scope of activities: Field visits, survey of local community and relevant institutions, providing soil samples and soil analysis to determine the impact of fire on soils, .

Contractor: PHARMACHEM DOOEL Skopje. Contact person: Cvetan Nikolovski. E-mail: [cvetan@farmahem.com.mk](mailto:cvetan@farmahem.com.mk) Mobile: +389 72 236 282

[ 15/09/2021 - 05/05/2022 ]

**Preparation of a Basic Design for redesigning the corridor of the quay of Vardar River** Supported by UNDP. Project: 00109163 - Resilient Skopje: Scaling-up for Sustainability, Innovation and Climate Change.

Position: Landscape expert

Main task: Preparation of basic landscape design

Scope of activities: Reconnaissance of the area, Determination of plant communities and species, Preparation of basic landscape design, including greening/dendrological plan.

Contractor: Civil Engineering Institute "Macedonia" JSC Skopje. Contact person: Aleksandra Trajkovska, Team leader. E-mail: [aleksandra.trajkovska@gim.mk](mailto:aleksandra.trajkovska@gim.mk)

[ 01/06/2021 - 30/09/2021 ]

**Development of guidelines for proposed revision of Forest Management Plans for areas managed by PE 'National Forests' to introduce ecologically sustainable forest management practices and inclusion of specific elements for threatened biodiversity** Funded by GEF, implemented by UN Environment and MOEPP. Project: Project: STAR5 Project "Achieving Biodiversity Conservation through Creation and Effective Management of Protected Areas and Mainstreaming Biodiversity into Land Use Planning".

Position: Expert on silviculture

Main task: Preparation of Guideline for Sustainable Forest Management in North Macedonia

Scope of activities: Analysis of the most common silvicultural practices, Research of the national and EU legislation and resolutions regarding forest management, Introducing Sustainable Forest Management concept in the forestry sector in North Macedonia, Determination of Criteria and Indicators for Sustainable Forest Management at national level.

Contractor: Balkan Foundation for Sustainable Development (BFOR). Bagdadska St. 25/17. Skopje, 1000. Contact person: Vlatko Andonovski. E-mail: [bfds@greenmail.net](mailto:bfds@greenmail.net)

[ 01/03/2020 - 30/09/2020 ]

**Preparation of basic design for establishment of urban green areas along the Serava River** Supported by UNDP. Project: 00109163 - Resilient Skopje: Scaling-up for Sustainability, Innovation and Climate Change.

Position: Landscape expert

Main task: Preparation of basic landscape design

Scope of activities: Preparation of basic landscape design including dendrological plan. Contractor: Civil Engineering Institute "Macedonia" JSC Skopje.

Contact person: Dejan Metikosh. E-mail: [dejan.metikosh@gim.mk](mailto:dejan.metikosh@gim.mk)

[ 01/05/2020 - 31/08/2020 ]

**Preparation of basic design for establishment of urban green areas along the River Lepenec** Supported by UNDP. Project: 00109163 - Resilient Skopje: Scaling-up for Sustainability, Innovation and Climate Change.

Position: Landscape expert

Main task: Preparation of basic landscape design

Scope of activities: Reconnaissance of the area, Determination of plant communities and species, Preparation of basic landscape design with including greening/dendrological plan for planting/greening with diverse greening.

Contractor: Civil Engineering Institute "Macedonia" JSC Skopje. Contact person: Dejan Metikosh. Email:

[dejan.metikosh@gim.mk](mailto:dejan.metikosh@gim.mk)

[ 15/08/2019 - 31/03/2021 ]

**Improving the conservation of priority plants in cross-border area (Conse-pp)** An IPA – CBC N. Macedonia – Greece Cross border Project

Project partners: Hellenic Agricultural Organisation DEMETER – Forest Research Institute, Municipality of Thermi, Municipality of Debrca, PEMPMA “Jasen” and UKIM Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering.

Hellenic Agricultural Organisation ELGO, Municipality of Thermi, Municipality of Debrca, PEMPMA “Jasen” and Faculty of Forestry in Skopje.

Contractor: Municipality of Debrca

Main task: Botanical expeditions and providing original photos and videos of the priority plants in the Belchishta wetland.

Contact person: Prof. dr.sc. Kiril Sotirovski, Dean. E-mail: [dekan@sf.ukim.edu.mk](mailto:dekan@sf.ukim.edu.mk)

[ 01/08/2019 - 30/03/2020 ]

**Ecosystems determination, mapping and selection of indicators for evaluation of ecosystem state in North Macedonia according to MAES methodology** Expert contract by the Macedonian Ecological Society (MES) for determination of various ecosystems, their mapping and selection of indicators for evaluation of ecosystem state in N. Macedonia according to MAES methodology. Project: “Nature Conservation programme in the Republic of North Macedonia – Phase 2”, supported by Swiss Development Agency (SDC), coordinated by Pharmachem.

Contractor: PHARMACHEM DOOEL Skopje. Contact person: Cvetan Nikolovski. E-mail: [cvetan@farmahem.com.mk](mailto:cvetan@farmahem.com.mk) Mobile: +389 72 236 282

[ 01/06/2019 - 31/12/2019 ]

**Collection and planting of endemic and representative tree species for establishment of an Arboretum in National Park Pelister** Supported by UNDP. Project: Improving management of protecting areas. Position: External expert.

Main task: Establishment of Arboretum

Scope of activities: Determination of species, Supervision of extraction, transport and replanting of the plant material at the Arboretum area.

Contractor: Bio Dekor AB DOOEL Tetovo. Contact person: Adnan Osmani. E-mail: [biodekor.ab@gmail.com](mailto:biodekor.ab@gmail.com)

[ 01/09/2018 - 30/11/2020 ]

**Development of forest vegetation maps for three pilot regions that support plant communities with rare and endangered species** Expert contract by the Balkan Foundation for Sustainable Development (BFOR) for the project "Development of forest vegetation maps for three pilot regions that support plant communities with rare and endangered species", implemented within the STAR 5 project "Achieving protection for biological diversity through the creation and effective management of protected biodiversity and integration in land use planning", funded by the Global Environment Facility (GEF) and implemented through the UN Environment Program and the Ministry of Environment and Physical Planning and the local partner Balkan Foundation for Sustainable Development (BFOR).

Contractor: Balkan Foundation for Sustainable Development (BFOR). Bagdadska St. 25/17. Skopje, 1000.

Contact person: Vlatko Andonovski. E-mail: [bfsd@greenmail.net](mailto:bfsd@greenmail.net)

[ 01/03/2017 - 30/05/2017 ]

**Forest Management Plan for Silviculture and Protection of Forest Unit Vodno** Position: Expert on forest soils and Silviculture.

Main task: Coordination of botanical expeditions and expert report on forest cover, regeneration and biomass.

Scope of activities: Coordination of botanical expeditions, marking of divisions and subdivisions borders on

field, setting of trial areas for assessment of forest cover, regeneration and biomass, statistical analysis of gathered data and preparation of forest maps in GIS.

Contractor: Ss. Cyril and Methodius University in Skopje. Faculty of Forestry.

Contact person: Prof. Nikolco Velkovski. E-mail: [nvelkovski@sf.ukim.edu.mk](mailto:nvelkovski@sf.ukim.edu.mk) Mobile: +389 72 228 819.

[ 15/01/2016 - 30/04/2016 ]

**Preparation of technical documentation / basic design project of glasshouse for allochthonous plants in Botanic garden** Location: Skopje Zoo, bul. Ilinden BB, Skopje.

Position: Landscape expert.

Main task: Preparation of basic landscape design for the greenhouse and tropical plants zone.

Scope of activities: Work in groups, Selection of species, Preparation of dendrological plan, planting and maintenance protocols, Basic design of watering and misting systems.

Investor: The city of Skopje. Contractor: ARHIUM LLCSP Skopje.

Contact person: Ljupco Djurovski. E-mail: [arhium@gmail.com](mailto:arhium@gmail.com) Mobile: +389 71 426 404.

[ 01/11/2015 - 30/04/2016 ]

**Afforestation of the bare land to combat torrential floods in the vicinity of Poroj and Dzepcishte settlements in Tetovo** Position: External expert.

Main task: Prevention of floods in Poroj and Dzepciste settlements by application of civil and environmental engineering measures.

Scope of activities: Supply, quality control and transportation of seedlings; Supervision of afforestation activities; Reporting to the contracting authority.

Contractor: Bio Dekor AB DOOEL Tetovo. Contact person: Adnan Osmani. E-mail: [biodekor.ab@gmail.com](mailto:biodekor.ab@gmail.com).

Investor: Municipality of Tetovo. Contact person: Zana Ademi. E-mail: [led@tetova.gov.mk](mailto:led@tetova.gov.mk) , Tel.: 044 511 930, Fax: 044 511 962.

[ 15/10/2014 - 31/12/2014 ]

**Planning and realization of landscaping of the Administrative Building of the Municipality of Butel in Skopje** Position: Landscape Engineer

Main task: Development of Landscape Design including Infrastructural Plan (Paths, Patios, Approaching Pathways, Parking, Movement of People, Elements); Site Drainage Plan, Site Material Plan, Irrigation Plan, Greening Plan, Seasonal Landscaping Care Guide.

Scope of activities: Fieldwork, sketching, preparation of Landscape Design, supervision of implementing activities, reporting to contracting authority, organizing maintaining activities.

Investor: Municipality of Butel. Tel.: 02 2600506. Fax: 02 2600306.

[ 01/05/2013 - 31/08/2013 ]

**Design and implementation of the green areas in the Sports Center Boris Trajkovski AQUAPARK in Skopje** Position: Landscape Engineer

Main task: Development of Landscape Design including Infrastructural Plan (Paths, Patios, Approaching Pathways, Movement of People, Elements), Irrigation Plan, Greening Plan.

Scope of activities: Fieldwork, sketching, preparation of General Landscape Plan, supervision of implementing activities, reporting to contracting authority, organizing maintaining activities.

Investor: The Government, City of Skopje, SC Boris Trajkovski.

Person in charge: Ratko Kapusevski, General Manager. E-mail: [ratko.kapusevski@scboristrajkovski.gov.mk](mailto:ratko.kapusevski@scboristrajkovski.gov.mk)

[ 10/03/2011 - 30/10/2012 ]

**Planning and realization of landscaping and afforestation of the bare hilly land for the training center of PRO CREDIT BANK at Mladost Lake in Veles** Position: Bachelor in Forestry

Main task: Development of Landscape Master Plan including: Site Grading; Drainage Plan; Movement of People

and Definition of Zones for Active / Passive Use and Group Association; Site Material Plan, Irrigation Plan, Greening Plan (Landscape Design), Afforestation Plan.

Scope of activities: Landscape Design, Supply of seedlings, Supervision of greening and afforestation activities and establishment of 2000 m<sup>2</sup> green areas and 7500 m<sup>2</sup> afforested area.

Investor: PRO CREDIT BANK. Tel.: 02 244 60 00. E-mail: [info@procreditbank.com.mk](mailto:info@procreditbank.com.mk)

## PUBLICATIONS

[ 2026 ]

### **Guide for planting and maintaining woody species and lawns in urban green areas of the municipalities of Kriva Palanka (North Macedonia) and Dupnitsa (Bulgaria)**

A new guide for greener cities!

Discover practical guidelines for planting and maintaining woody species and lawns in urban green areas, developed for the municipalities of Kriva Palanka and Dupnitsa.

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Cite as:

Najdovski, B., Dimitrova, A., Simovski, B. (2026). "Guide for planting and maintaining woody species and lawns in urban green areas of the municipalities of Kriva Palanka (North Macedonia) and Dupnitsa (Bulgaria)" [e-book] Municipality of Kriva palanka (Project: „Preserving Areas through Regional Knowledge and Sustainability (PARKS)“; web site: <https://parksproject.eu/en/> ). Kriva Palanka. ISBN 978-608-5016-04-4 (electronic source). COBISS.MK-ID 68007941. URI: <https://plus-legacy.cobiss.net/cobiss/mk/mk/bib/68007941> , URL: [https://www.krivapalanka.gov.mk/wp-content/uploads/2026/01/parks\\_guide.pdf](https://www.krivapalanka.gov.mk/wp-content/uploads/2026/01/parks_guide.pdf)

**Authors:** Boris Najdovski, Anastazija Dimitrova, Bojan Simovski | **Volume, Issue and Pages:** p1-78 | **Publisher:** Municipality of Kriva Palanka

Najdovski, B., Dimitrova, A., Simovski, B. (2026). "Guide for planting and maintaining woody species and lawns in urban green areas of the municipalities of Kriva Palanka (North Macedonia) and Dupnitsa (Bulgaria)"

**Link:** [https://www.krivapalanka.gov.mk/wp-content/uploads/2026/01/parks\\_guide.pdf](https://www.krivapalanka.gov.mk/wp-content/uploads/2026/01/parks_guide.pdf)

[ 2025 ]

### **Abiotic factors impact on soil respiration**

**Abstract:** Soil respiration describes the process of gas exchange between organisms and their environment. As one of the key processes in ecosystems, soil respiration is linked to ecosystem productivity, soil fertility, and the regional and global carbon cycles. The objective of this study is to investigate the impact of abiotic factors, particularly variations in air temperature and humidity, on the intensity of soil respiration in the dystric cambisols within the Quercetum montanum typicum forest community at the National Park "Fruška Gora" in the Vojvodina Province of Serbia. A total of 32 site visits were conducted in 2014–2017 period to obtain site-specific data on air and soil temperature and humidity, and soil evaporation and respiration. The key findings indicate that the variations in air temperature and humidity significantly impact soil respiration. In most cases, soil respiration positively correlates with soil temperature; however, in some years, a nonlinear response has been observed, which may indicate thermal stress at higher temperatures.

**Keywords:** abiotic factors, temperature, humidity, soil respiration.

**Authors:** Boris Najdovski, Kristijan Cokoski, Kole vasilevski, Nikolco Velkovski | **Volume, Issue and Pages:** Issue 216 (2025) | **Publisher:** University of Novi Sad - Institute of Lowland Forestry and Environment (ILFE)

Najdovski, B., Cokoski, K., Vasilevski, K., & Velkovski, N. (2025). Abiotic factors impact on soil respiration. Topola, 216, 53-62. <https://doi.org/10.5937/topola2516053N>

[ 2025 ]

### **Impact of Systematic Groups of Microorganisms on Dehydrogenase Activity in Soils Within Quercetum montanumtypicum Forest Community**

## Abstract

This study reveals the mutual interaction of the abiotic (climate) and biotic (bacteria, actinomycetes and fungi) factors and their impact on dehydrogenase enzyme activity in the soil within the *Quercetum montanum typicum* forest community at the National Park "Frushka gora" in the Vojvodina Province of Serbia. A total of 32 field visits were conducted between 2014 and 2017 to obtain site-specific data on air and soil temperature and humidity, and soil sampling for further microorganisms' abundance and dehydrogenase activity determination through lab analysis. The key findings indicate that climate conditions, particularly variations in air temperature and humidity, significantly impact dehydrogenases and are positively impacted by soil bacteria and actinomycetes, although the effect of fungi varies. Climate conditions, particularly variations in air temperature and humidity, significantly impact the abundance of soil microorganisms, and further positively impact the dehydrogenase activity. These findings underscore the importance of understanding the interplay between abiotic and biotic factors in soil ecosystems for sustainable environmental management and to support soil fertility and health.

### Keywords:

forest soils; soil microorganisms; fungi; bacteria; actinomycetes; dehydrogenase activity

Najdovski B, Djuric S, Pekeč S, Milović M, Orlović S, Pilipovic A. Impact of Systematic Groups of Microorganisms on Dehydrogenase Activity in Soils Within *Quercetum montanum typicum* Forest Community. *Forests*. 2025; 16(2):322.

Link: <https://doi.org/10.3390/f16020322>

[ 2024 ]

### Mapping and national assessment of ecosystems and their condition in North Macedonia

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Chobanova M. et al. 2024. MJEE. Vol. 26, issue 1. pp. 83 - 114

Link: <https://mjee.org.mk/index.php/mjee/article/view/248/221>

[ 2023 ]

### **Sustainable development and management of beech forests**

Velkovski N, Govedar Z, Hristovski S, Najdovski B (2023) Sustainable development and management of beech forests. In: Govedar Z, Mataruga M, Pržulj N (eds) Sustainable development and management of forest ecosystems. Academy of Sciences and Arts of the Republic of Srpska, Banja Luka, Monograph LI:537-576. DOI 10.7251/EORU2305537V

Velkovski N, Govedar Z, Hristovski S, Najdovski B. 2023. DOI 10.7251/EORU2305537V

[ 2022 ]

### **Prioritizing Plants around the Cross-Border Area of Greece and the Republic of North Macedonia: Integrated Conservation Actions and Sustainable Exploitation Potential**

Krigas, N.; Karapatzak, E.; Panagiotidou, M.; Sarropoulou, V.; Samartza, I.; Karydas, A.; Damianidis, C.K.; Najdovski, B.; Teofilovski, A.; Mandzukovski, D.; Stipanović, V.B.; Papanastasi, K.; Kapagianni, P.D.; Fotakis, D.; Grigoriadou, K.; Tsoktouridis, G.; Andonovski, V.; Maloupa, E. Prioritizing Plants around the Cross-Border Area of Greece and the Republic of North Macedonia: Integrated Conservation Actions and Sustainable Exploitation Potential. *Diversity* 2022, 14, 570. <https://doi.org/10.3390/d14070570>

Krigas N et al. 2022. Diversity, 14, 570

[ 2022 ]

### **Effect of Wildfire on Forest Soils in Maleshevo–Pijanec Region**

Najdovski, B. (2022): Effect of Wildfire on Forest Soils in Maleshevo–Pijanec Region. Book of abstracts of the International Scientific Conference “Better forestry, for better forests, for a better planet“, Skopje, 15 – 16th June, 2022. Ss. Cyril and Methodius University in Skopje - Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering. ISBN 978-9989-132-24-7. COBISS.MK-ID 57574661

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[ 2020 ]

### **Biodiversity and conservation of priority plants in Belchishta Wetland and Jasen**

Publisher: Ss. Cyril and Methodius University in Skopje - Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering.

Andonovski V, Velkovski N, Najdovski B. 2020. ISBN 978-9989-132-21-6. COBISS.MK-ID 54149381

[ 2018 ]

### **Characteristics of natural regeneration of beech and fir in offspring and young forest development stages on Korab Mountain**

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### **Natural characteristics of the mountain pastures in the region of Malesh and processes of their afforestation**

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[ 2015 ]

**Landscape Master Plan, Landscape Impact Assessment and Landscape Design of HPP Boskov Most**

Acevski, J., Velkovski, N., Najdovski, B. (2015): Landscape Master Plan, Landscape Impact Assessment and Landscape Design of HPP Boskov Most. European Bank of Reconstruction and Development (EBRD), AF Consult Switzerland.

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[ 2014 ]

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Andonovski, V., Acevski, J., Velkovski, N., Vasilevski, K. et al. (2014): Forest ecology and management in the upper Bregalnica region of Macedonia (Malesh). Ss. Cyril and Methodius University in Skopje, Faculty of Forestry in Skopje, ISBN 978-9989-132-17-9.

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