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Full profesor

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Photo
(optional)

EDUCATION

2012	PhD in Natural Sciences, Environmental Protection University of Belgrade, Institute for Multidisciplinary Research Belgrade, Serbia
1998	MSc in Technical Sciences, Materials Science Faculty of Technology and Metallurgy, University of Belgrade Belgrade, Serbia
1994	BSc in Technology Engineering, Faculty of Technology and Metallurgy, University of Beograd Belgrade, Serbia

EMPLOYMENT HISTORY

2023–present	Professor	Union – Nikola Tesla University Faculty of Ecology and Environmental Protection Belgrade, Serbia
2018–2023	Associate Professor	Union – Nikola Tesla University Faculty of Ecology and Environmental Protection Belgrade, Serbia
2013–2018	Assistant Professor	Union – Nikola Tesla University Faculty of Ecology and Environmental Protection Belgrade, Serbia
2008–2013	Teaching Assistant	Union – Nikola Tesla University, Faculty of Ecology and Environmental Protection Belgrade, Serbia

1995–2008	Independent Research Fellow	“Kirilo Savic” Institute a.d., Belgrade, Serbia
1994–1995	Junior Researcher	“Kirilo Savic” Institute a.d., Belgrade, Serbia

PROFESSIONAL EXPERIENCE		
1994–2008	“Kirilo Savic” Institute a.d., Belgrade, Serbia, Independent Research Fellow / Certified Designer	
2011–2014	COWI-IPF Serbia, Beograd, Environmental protection and waste management expert / Certified Designer (part time)	
2010–2013	“Eko Projekt”, Novi Sad, Certified Designer (part time)	
2023	Chief Designer, Conceptual solution of the technology project of the plant for biological waste treatment at the Regional Center for Waste Management "Duboko", kp 1710, ko "Duboko", Užice, Institute of Transportation CIP d.o.o. Belgrade	
2016	Chief Designer, Feasibility study with the conceptual design of the construction of a terminal for waste materials from vessels in the area of Belgrade, "EKO DIMeC" d.o.o., Valjevo	
2014–2015	Chief Designer, Preliminary feasibility study with the general project of construction of a terminal for waste materials from vessels in the area of Belgrade, "EKO DIMeC" d.o.o., Valjevo	
2013	Senior Environmental Engineer - Solid waste expert, Conceptual Design for the Construction of the Regional Centre for waste management for the Municipalities of Pljevlja and Zabljak -, COWI-IPF Serbia	
2013–2014	Senior Environmental Engineer - Solid waste expert, Conceptual Design for the Rehabilitation of “Vrtijeljka” Dumpsite, Old Royal Capital of Cetinje, COWI-IPF Serbia	
2013	Senior Environmental Engineer, Environmental impact assessment study of the application of aluminothermic portions of the Railtech type (Trebiljevo station reconstruction project), EnCon, Beograd	
2011	Senior Environmental Engineer, Documentation for Integrated Pollution Prevention And Control (IPPC) Licensing Application of Sugar Factory “Crvenka” a.d., Crvenka: Monitoring Plan, Plan of Measures for Efficient Use of Energy, Plan of Measures for The Protection of the Environment Upon Terminating Work And Closing the Plant, Plan of Measures for Adjusting the Existing Plant’s Work Operations to the Conditions Prescribed by the Law on	

	Integrated Environment Pollution Prevention and Control. Client: Sugar Factory "Crvenka" a.d., Crvenka, "Eko Projekt", Novi Sad
2011	Senior Environmental Engineer, Plan of measures to prevent accidents and limit their consequences for the plant A.D. "BAČKA" VRBAS (in accordance with the current regulations on the content of the accident prevention policy and the content and methodology of the report on the safety and accident protection plan) - application for the issuance of an Integrated Permit (IPPC), "Eko Projekt", Novi Sad
2011	Senior Environmental Engineer, Plan of measures to prevent accidents and limit their consequences for the plant A.D. "Donji Srem" Pećinci (in accordance with the current regulations on the content of the accident prevention policy and the content and methodology of the report on the safety and accident protection plan) - application for the issuance of an Integrated Permit (IPPC), "Eko Projekt", Novi Sad
2011–2012	Senior Environmental Engineer - Solid waste expert/Chief, Environmental Impact Assessment and Study of interconnection feasibility of the Niš - Bugarska granica gas pipeline, COWI-IPF Serbia, 128073/C/SER/MULTI, Sub project: WB4-SER-ENE-04, Srbija
2011	Chief Designer - Environmental protection expert, Plan of measures for efficient use of energy within the framework of the preparation of documentation for applying for an Integrated Permit (IPPC) for the plant AD „Fabrika šećera te-to Senta“, Senta, "Eko Projekt", Novi Sad
2010	Chief Designer - Environmental protection expert, Study of vibrations and noise in the Prokop station and application of elastic equipment Pandrol Vanguard, Vipa i Fastclip, EnCon, Beograd
2010	Chief Designer - Environmental protection expert, Preliminary risk study - assessment of scope, dynamics and content of risk analysis and operability – HAZOP for the facility Sistem za odlaganje pepela i šljake TE "Kostolac-B", Engineering Dobersek GmbH, Monchengladbach, Germany
2009	Chief Designer, Rehabilitation project of the existing landfill of the city of Loznica, IWA Consult, d.o.o., Beograd
2008	Responsible Designer, Conceptual Technological Project of Regional Centers Complex for Municipal Solid Waste, Construction Waste and Nonhazardous Waste Collection, Selection and Deposition from Economy on site "Gigos", Jagodina, "Kirilo Savić" Institute a.d, Beograd
2008	Responsible Designer, Preliminary technological design of the wastewater treatment system for the complex of the regional center for the collection, selection and disposal of municipal solid waste, construction waste and non-

	hazardous waste from the economy on site "Gigoš", Jagodina, "Kirilo Savić" Institute a.d, Beograd
2008	Chief Designer, Environmental impact assessment (EIA) on the environment of the complex of the regional center for the collection, selection and disposal of municipal solid waste, construction waste and non-hazardous waste from the economy on site "Gigoš", Jagodina, including risk and environmental impact assessment of degassing technology - design of protective measures system (responsible manager for public consultations regarding environmental impact), "Kirilo Savić" Institute a.d, Beograd
2007–2008	Responsible Designer, Preliminary technological project of the landfill for the complex of the regional center for the collection, selection and disposal of municipal solid waste, construction waste and non-hazardous waste from the economy on site "Gigoš", Jagodina, "Kirilo Savić" Institute a.d, Beograd
2007–2008	Chief Designer, Report on Strategic Environmental Assessment (SEA) of the plan of detailed regulation of the complex of the regional center for the collection, selection and disposal of municipal solid waste, construction waste and non-hazardous waste from the economy on site "Gigoš", Jagodina, "Kirilo Savić" Institute a.d, Beograd
2007–2008	Responsible Designer, Report on the Strategic Environmental Assessment of the General Plan of the Municipality of Pančevo - Books I, II and III, "Kirilo Savić" Institute a.d, Beograd

MEMBERSHIPS	
2010	Serbian Society for Water Protection
2006	Serbian Chamber of Engineers

RESEARCH PROJECTS	
2011–2014	Technological development project: 36012 "Investigation of the technical-technological, personnel and organizational capacity of the Railways of Serbia from the aspect of current and future requirements of the European Union", project participant, Ministry of Education, Science and Technological Development of the Republic of Serbia
2008–2011	Technological development project: 21037 "Development of an integrated model for management of ship waste materials on the navigation corridors of the Republic of Serbia", project participant, Ministry of Education,
1997–1998	Science and Technological Development of the Republic of Serbia Innovation

	project: IP 1444, "Investigation of the possibility of valorization of useful components of serpentinite for the needs of industry", project participant, Ministry of Science and of Technology of the Republic of Serbia
1995–1996	Innovation project: IP 0525, "Investigation of the possibilities of ultrasonic testing of new rails and rails in use", project participant, Ministry of Science and Technology of the Republic of Serbia
IPF (INFRASTRUCTURE PROJECTS FACILITY) PROJEKTI	
2022–2025	EuropeAid/139687/DH/SER/RS, Project Preparation Facility 9 (PPF9), Preliminary Design and ESIA and EIA for Belgrade-Nis railway line rehabilitation, Senior Environmental Engineer - Solid waste expert, SAFEGE consortium - Egis d.o.o. Beograd -Vračar
2012–2013	WB4-MNE- ENV-12F: Conceptual Design for the Rehabilitation of “Vrtijeljka” Dumpsite, Old Royal Capital of Cetinje, Senior Environmental Engineer - Solid waste expert, COWI IPF Serbia
2011	WB4-MNE-ENV-11- TA for the Construction of the Regional Centre for waste management for the Municipalities of Pljevlja and Zabljak - Conceptual Design, Senior Environmental Engineer - Solid waste expert, COWI IPF Serbia
2011	Infrastructure Project Facility Technical Assistance Window (IPF TA) Western Balkans, Europe Aid/128073/C/SER/MULTI Sub project: WB4-SER-ENE-04, Serbia-FS and ESIA Interconnection with BG Gas Transmission Pipeline, Senior Environmental Engineer, COWI IPF Serbia

AWARDS AND SCHOLARSHIPS	
2002	Award of the Ministry of Science, Technology and Development of the Republic of Serbia to the best young scientists (masters and doctors of science)

SELECTED PUBLICATIONS	
Presburger Ulniković, V., Suzana Radojković, V., Nikolić, V. & Stamenković, L. (2024). Green roofs as a possible solution to air pollution in Belgrade, <i>Global Sustainability Challenges</i> 2(1): 1-6.	
Presburger Ulniković, V., Stamenković, L., Radosavljević, A. & Ćirišan, A. (2024). Premature deaths due to exposure to PM2.5 in Belgrade before and at the beginning of the COVID-19 pandemic, <i>Global Sustainability Challenges</i> 2(1): 1-8.	

<p>Stamenković, L., Presburger Ulniković, V., Milanović, T., Bogdanović, G. & Stanojević, D. (2023). Prediction of ammonia emissions from the agricultural sector using MLR and ANN, <i>Ecologica</i> 30(111):455-460 http://dx.doi.org/10.18485/ecologica.2023.30.111.16</p>
<p>Mrazovac Kurilić, S., Presburger Ulniković, V. & Ćirišan, A. (2023). Contamination and health risk assessment of heavy metals in PM10 in central Serbia. <i>Global Sustainability Challenges</i>, 1(1): 1-9.</p>
<p>Presburger Ulniković, V., Kostov, A., Staletović, N. et al. (2022). Assessment of the Gaussian Model Validity for Predicting Zones of Dust Impact-A Case Study of Cukaru Peki, Serbia, <i>J Min Sci</i> 58, 849–858. https://doi.org/10.1134/S1062739122050167</p>
<p>Ulniković, V.P. & Kurilić, S.M. (2020). Heavy metal and metalloids contamination and health risk assessment in spring water on the territory of Belgrade City, Serbia. <i>Environ Geochem Health</i> 42, 3731–3751 (2020). https://doi.org/10.1007/s10653-020-00617-z</p>
<p>Ulniković, V.P., Kurilić, S.M. & Staletović, N. (2020). Air Quality Benefits from Implementing Best Available Techniques in Copper Mining and Smelting Complex Bor (Serbia). <i>Water Air Soil Pollut</i> 231, 160 https://doi.org/10.1007/s11270-020-04520-2</p>
<p>Stamenkovic, L. Mrazovac Kurilic, S. & Presburger Ulnikovic, V. (2020). Prediction of nitrate concentration in river Danube water by using artificial neural networks, <i>Water Supply</i> 20 (6): 2119–2132. https://doi.org/10.2166/ws.2020.104</p>
<p>Cibulić, V. & Presburger Ulniković, V. (2019). Planning and Management of Surface Water Monitoring, <i>Water Research and Management</i>, Vol. 9, No. 3-4 17-24</p>
<p>Presburger Ulniković, V., Stamenković, L., Mrazovac Kurilić, S. & Cibulić, V. (2019). Management of Wastewater from Ships and Options for Their Treatment, <i>Water Research and Management</i>, Vol. 9, No. 2, 33-38</p>
<p>Mrazovac Kurilić, S., Cibulić, V., Presburger Ulniković, V., Staletović, N. & Stamenković, L. (2019). Suitability of Shallow Aquifer Groundwater in Vojvodina for Irrigation; <i>Water Research and Management</i>, Vol. 9, No. 1 17-21</p>
<p>Cibulić, V., Mrazovac Kurilić, S., Presburger Ulniković, V., Ivančajić, L., Staletović, N., Trifunović, M. & Stamenković, L. (2018). Water Quality of Some of the Belgrade Water Springs and Statistical Analysis of Nitrate Concentration, <i>Water Research and Management</i>, Vol. 8, No. 2, 41-49</p>
<p>Makajic-Nikolic, D., Petrovic, N., Cirovic, M., Vujosevic, M. & Presburger Ulnikovic, V. (2016). The Model Of Risk Assessment Of Grey Water Discharges From The Danube River Ships, <i>Journal of Risk Research</i>, vol. 19 br. 4, str. 496-514 https://doi.org/10.1080/13669877.2014.988286</p>
<p>Kurilić, M. S., Ulniković, P.V., Marić, N. et al. (2015). Assessment of typical natural processes and human activities' impact on the quality of drinking water. <i>Environ Monit Assess</i></p>

187, 659 <https://doi.org/10.1007/s10661-015-4888-5>

Presburger Ulniković, V., Vukić, M. & Milutinović-Nikolić, A. (2013). Analysis of solid waste from ships and modeling of its generation on the river Danube in Serbia, *Waste Management & Research* 31(6) 618–624 ISSN: 1096-3669 <https://doi.org/10.1177%2F0734242X13477716>

Presburger Ulniković, V., Vukić, M. & Nikolić, R. (2012). Assessment of vessel-generated waste quantities on the inland waterways of the Republic of Serbia, *J.Env.Man.* 97 97-101, ISSN: 0301-4797 <https://doi.org/10.1016/j.jenvman.2011.11.003>

Presburger Ulniković, V., Vukić, M., Antonović, D. & Jančić-Heinemann, R. (2011). Ship Waste Quantities Prediction Model for The Port of Belgrade, *Chemical Industry & Chemical Engineering Quarterly* 17 (2) 239–248 ISSN: 14519372 <http://www.doiserbia.nb.rs/img/doi/1451-9372/2011/1451-93721100009P.pdf>

Vukić, M., Presburger Ulniković, V. & Spruk, U. (2010). Integrated model and following information system for management of multimodal transport of hazardous materials and interdepartmental coordination in emergency situations, lecture by invitation, Proceedings of the international scientific and professional conference „*TOMUR 2010 - Transport of dangerous goods and risk management*“, Beograd, 30-31.03. 2010. ISBN 978-86-83059-04-1

Milutinović-Nikolić, A., Presburger-Ulniković, V., Veličković, S. et al. (2003). The influence of heat treatment and finishing on the mechanical and dielectric properties of glass fabric-epoxy resin laminar composites. *Journal of Materials Science: Materials in Electronics* 14, 75–79 <https://doi.org/10.1023/A:1021948502150>

Milutinović-Nikolić, A., Presburger Ulniković, V., Mihailović, T. & Aleksić, R. (2002). The influence of heat treatment and finishing on the mechanical properties of laminar composites *Metalurgija** 8(3) s.229-234. (*actual name: *Metallurgical and Materials Engineering*)

EDITORIAL

2021–present

Editor-in-Chief of the newly launched scientific journal *Global Sustainability Challenges*, published by Union University - Nikola Tesla, Belgrad, Serbia <https://gsc.unionnikolatesla.edu.rs/index.php/gsc/about/editorialTeam>