




PERSONAL INFORMATION

Bojan Batinic



 Bulevar Jovana Ducica 39D, 21000 Novi Sad, Serbia

 +381 21 485 2412  +381 63 870 9863

 bojanbatinic@uns.ac.rs

Sex Male | Date of birth 16/01/1981 | Nationality Serbian

POSITION

Assistant Professor

WORK EXPERIENCE

2015. - Present

Assistant Professor

Faculty of Technical Sciences
 Department of Environmental Engineering
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Serbia)
<http://www.ftn.uns.ac.rs/n1861289157/bojan-batinic>

2011. – 2015.

Teaching Assistant

Faculty of Technical Sciences
 Department of Environmental Engineering
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Serbia)
<http://www.ftn.uns.ac.rs/n1861289157/bojan-batinic>

2009. – 2011.

Research Assistant

Faculty of Technical Sciences
 Department of Environmental Engineering
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Serbia)
<http://www.ftn.uns.ac.rs/n1861289157/bojan-batinic>

2008. – 2009.

PhD Scholarship holder

Serbian Ministry of Education, Science and Technological Development

EDUCATION AND TRAINING

2008. – 2015.

PhD of Environmental Engineering

Faculty of Technical Sciences
 Department of Environmental Engineering
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Serbia)

2002. – 2008

Master of Science of Environmental Engineering

Faculty of Technical Sciences
 Department of Environmental Engineering
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Serbia)

PERSONAL SKILLS

Mother tongue(s) Serbian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Computer skills

- Proficient in Microsoft Office™ tools (Word, Excel, Powerpoint),
- NeuroSolution - software for artificial neural networking modelling

ADDITIONAL INFORMATION

Research and work focus

- Waste amount and composition analysis
- Modelling and projection of future waste characteristics
- Waste collection & transportation analysis
- Possibility for utilization of different waste materials
- Management of special waste streams
- Application of artificial neural network method
- Multiple-criteria decision analysis
- Design and development of waste management systems
- Local and regional waste management planning
- Environmental Risk Assessment
- Basic application of Cost-Benefit Analysis in waste management sector

Courses provided to students

- Management of Special Waste Streams
- Fundamentals of Environmental Experiments
- Characterization of Recyclable Materials
- Student's Professional Practice

Representative Publications
(M21-23)

- Savvilotidou, V., Kousaiti, A., **Batinic, B.**, Vaccari, M., Kastanaki, E., Karagianni, K., & Gidaracos, E. (2019), Evaluation and comparison of pre-treatment techniques for recovering indium from discarded liquid crystal displays. Waste Management, Vol. 87, pp 51-61.
- Sethurajan, M., Hullebusch, E. D., Fontana, D., Akcil, A., Deveci, H., **Batinic, B.**, Leal, J., Gasche T., Kucuker M.A., Kuchta K., Neto I., Soares H. and Chmielarz A. (2019), Recent advances on hydrometallurgical recovery of critical and precious elements from end of life electronic wastes - a review, Critical Reviews in Environmental Science and Technology, Vol. 49, No. 3, pp 212-275.
- **Batinic B.**, Vaccari M., Savvilotidou V., Kousaiti A., Gidaracos E., Marinkovic T and Fiore S., Applied WEEE pre-treatment methods: Opportunities to maximizing the recovery of critical metals, Global Nest Journal, Vol. 20, No. 4, pp 706-711, 2018.
- Diedler S., Hobohm J., **Batinic B.**, Kalverkamp K. and Kuchta K., WEEE data management in Germany and Serbia, Global Nest Journal, Vol. 20, No. 4, pp 751-757, 2018.
- Goran Vujic, Nebojsa Jovicic, Milun Babić, Nemanja Stanisavljević, **Bojan Batinic**, and Aleksandar Pavlović, Assessment of plastic flows and stocks in Serbia using material flow analysis, Thermal Science, Vol. 14, Str. 85-89, ISSN: 0354-9836
- Goran Vujic, Nebojsa Jovicic, Nebojsa Redzic, Gordana Jovicic, **Bojan Batinic**, Nemanja Stanisavljevic, Omran Altabt Abuhress, A fast method for the analysis of municipal solid waste in developing countries - case study of Serbia, Environmental Engineering and Management Journal, Vol.9 No. 8. pp 1021-2019. ISSN: 1582-9596, 2010.
- **Bojan Batinic**, Srđan Vukmirovic, Goran Vujic, Nemanja Stanisavljevic, Dejan Ubavin and Goran Vukmirovic, Using ANN model to determine future waste characteristics in order to achieve specific waste management targets - case study of Serbia, Journal of Scientific & Industrial

Research (2011), vol. 70 br. 7, str. 513-518

- Nemanja Stanisavljevic, Dejan Ubavin, **Bojan Batinic**, Johann Fellner and Goran Vujic, Methane emissions from landfills in Serbia and potential mitigation strategies: a case study, Waste Management & Research. 30 (10) 1095–1103, 2012.
- Nemanja Stanisavljevic, Svjetlana Vujovic, Miodrag Zivancev, **Bojan Batinic**, Bojana Tot and Dejan Ubavin, Application of MFA as a decision support tool for waste management in small municipalities – case study of Serbia, Waste Management & Research. 33 (6) 550–560, 2015.
- Goran Vujic, Nemanja Stanisavljevic, **Bojan Batinic**, Zeljka Jurakic and Dejan Ubavin, Barriers for implementation of "waste to energy" in developing and transition countries - A case study of Serbia, Journal of Material Cycles and Waste Management, DOI 10.1007/s10163-015-0377-8
- Višnja Mihajlović, Goran Vujić, Nemanja Stanisavljević and **Bojan Batinic**, Financial implications of compliance with EU waste management goals: Feasibility and consequences in a transition country, Waste Management and Research, 34 (9), 923-932, 2016

Relevant Projects	2007. – 2007.	Regional Waste Management Plan for the Municipalities of Indija, Irig, Ruma, Sremski Karlovci, Šid and Stara Pazova
	2007. – 2008.	Project of Identifying and Classifying Wild Dump Sites, Assessment of Necessary Financial Resources for their Remediation at the Territory of the Autonomous Province of Vojvodina
	2007. – 2008.	Establishing the Composition and Quantities of Wastes at the Territory of the Autonomous Province of Vojvodina
	2008. – 2008.	Regional Waste Management Plan for Municipalities of Šabac and Sremska Mitrovica
	2008. – 2009.	Project of Identifying Waste Composition and Evaluation of Quantities with an Aim to Define the Strategy for Secondary Raw Materials Management within the Sustainable Growth of the Republic of Serbia
	2009.-2009.	Environmental Impact Assessment of Regional Landfill in Sremska Mitrovica
	2009.- 2009.	Local Waste Management Plan for Municipality of Kladovo, Boljevac and Knjazevac
	2009.- 2009.	Regional Waste Management Plan for Municipalities of Majdanpek, Kladovo, Negotin, Bor, Boljevac, Zajecar and Knjazevac
	2009.- 2009.	Preliminary Feasibility Study of Regional Landfill in Zajecar
	2009.- 2009.	Strategic Environment Assessment of spatial plan for detailed regulation of regional landfill "Halovo"
	2010-2010.	Strategic Environment Impact Assessment of Regional waste management plan of Sabac and Sremska Mitrovica
	2010-2010.	Local waste management plan for Novi Sad
	2010-2010.	Local waste management plans for 11 municipalities of South Backa Region (Bac, Backa Palanka, Vrbas, Srbobran, Temerin, Zabalj, Titel, Bački Petrovac, Bečej, Beočin, Srbobran)
	2010.-2011.	Local Waste Management Plan for the city of Pancevo
	2010.-2011.	Regional Waste Management Plan for Municipalities of Pancevo and Opovo with Feasibility Study
	2011.-2011.	Regional Waste Management Plan for the city Novi Sad and municipalities Backa Palanka, Backi Petrovac, Beocin, Zabalj, Srbobran, Temerin and Vrbas
	2011.-2011.	Strategic Environmental Assessment of the Regional Waste Management Plan for city Zrenjanin and municipalities Secanj, Titel and Kovacica
	2011.-2013	MOPRORK project –Determination of landfills contamination, model development for monitoring and risk assessment, and amount of generated waste with modern satellite information technology in order to support the implementation of legislative framework
	2011-2011	Revision of Regional Waste Management Plan for the Municipalities Zrenjanin, Titel, Kovacica and Secanj.
	2011-2012	Feasibility study of introducing mechanical-biological waste treatment in South Backa region
	2013-2013	Measurements of quantity and morphological composition of waste in Kolubara waste region (1st Campaign)
	2013-2013	Measurements of quantity and morphological composition of waste in Kolubara

	waste region (2nd Campaign)
2013-2013	Determination of morphological composition of waste for north-east and east waste region (Macedonia)
2013-2014.	Data collection and MFA analysis in waste and wastewater management in 5 municipalities
2014 - 2015.	Options analysis for sustainable waste and wastewater management in Alibunar
2014. - 2015.	Municipal Waste Information containing a model to forecast the quantities (yearly) of household and similar, waste generated in each region of Serbia for period from 2014 until 2030. (As a part of Revision of the National Waste Management Strategy)
2014. - 2015.	Waste Generation Study - Serbia
2014-2015.	Implementation of new waste and wastewater management in 5 pilot municipalities
2014-2015.	Solid Waste Data Collection in South East Europe
2015. - 2016	EISP 1 - Options Analysis Study for Regional Solid Waste Management in Kragujevac
2015. - 2016	EISP 1 - Partial Pre-Feasibility Study for Solid Waste Management in the Novi Sad Region
2016 - 2016	Morphological composition, moisture content and calorific value analysis of MSW samples from 13 Belgrade municipalities within „Belgrade waste management Region“
2016 - 2016	Technical, financial and operational assessment of recycling facilities in Belgrade, Užice, Jagodina, Leskovac and Pančevo
2016 - 2017	Study on integration of informal waste collectors into waste management systems in Serbia
2017 - 2018	Preparation of necessary documents for establishment of an Integrated and Financially Self-sustainable Waste Management System in Pelagonija, Southwest, Vardar and Skopje Regions - Feasibility Study & CBA for Skopje Waste Management Region
2017 - 2018	Preparation of necessary documents for establishment of an Integrated and Financially Self-sustainable Waste Management System in Pelagonija, Southwest, Vardar and Skopje Regions - Need assessments, market analyses with costs estimations and Technical Specifications (TSs) for supply of equipment for waste collection and transferring of waste for Skopje Region
2017 (ongoing)	EISP 2 - Introduction of MSW source separation in 4 Regions in Serbia (IPA 2017 Source Separation Project)
2018 - 2019	Comparative analysis of waste collection methods in City of Niš
2018 (ongoing)	Development of Local Plans for Primary Separation and Action Plans for Biodegradable Waste Reduction in Selected Regions in Serbia
2018 (ongoing)	Business Cases for Improved Waste Collection and Valorisation
2019	Study for estimation the quantities and types of food and beverage plastic packaging being placed on the market and in the waste flow in Montenegro

Membership of professional bodies

- 2006 - Member of the Serbian Solid Waste Association - SeSWA
- 2008 - Member of the International Association for waste management - ISWA
- 2010 - Member of the International Waste Working Group - IWWG

Stay abroad

- 02/06/2019 – 02/07/2019 - University of Brescia, Brescia (Visiting Professor Programme)
- 01/10/2012 – 31/10/2012 - University of Natural Resources and Life Sciences – BOKU, Wien (OeAD PhD Student Scholarship)

ATTACHMENTS

- PhD Diploma



THE REPUBLIC OF SERBIA

**UNIVERSITY OF NOVI SAD
FACULTY OF TECHNICAL SCIENCES, NOVI SAD**

Founder: The Republic of Serbia

The Autonomous Province of Vojvodina

Operating licence No. 106-022-00534/2009-03 issued on 12 November 2009 by the
Autonomous Province of Vojvodina, Provincial Secretariat for Education



DIPLOMA

Bojan (Jovan) Batinić

born on 16 January 1981 in Zagreb, the Republic of Croatia, enrolled in the academic year 2007/2008, on 08 May 2015, completed the third degree doctoral academic studies at the study programme ENVIRONMENTAL ENGINEERING with an academic work load of 180 (one hundred and eighty) ECTS credits with a grade point average of 9,71 (nine point seventy-one).

The title of the doctoral dissertation is: "MODEL FOR PREDICTION OF THE QUANTITY OF PACKAGING AND BIODEGRADABLE WASTE BY USING NEURAL NETWORKS"

In testimony whereof, he is being conferred this diploma of the acquired scientific title of

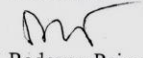
Ph.D. IN ENVIRONMENTAL ENGINEERING

Diploma number: 012-DS-4/Z, 12 July 2015
In Novi Sad

DEAN


Prof. Rade Doroslevački, Ph.D.

ACTING RECTOR


Prof. Radovan Pejanović, Ph.D.

UNS06PD10660