



LIČNE INFORMACIJE



**Bojan Batinić**

 Bulevar Jovana Dučića 39D, 21000 Novi Sad, Srbija

 +381 21 485 2412  +381 63 870 9863

 [bojanbatinic@uns.ac.rs](mailto:bojanbatinic@uns.ac.rs)

Pol Muški | Datum rođenja 16/01/1981 | Državljanstvo Republika Srbija

ZVANJE

**Docent**

RADNO ISKUSTVO

2015. - Trenutno

**Docent**

Fakultet tehničkih nauka  
 Departman za inženjerstvo zaštite životne sredine i zaštite na radu  
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Srbija)  
<http://www.ftn.uns.ac.rs/n1861289157/bojan-batinic>

2011. – 2015.

**Asistent**

Fakultet tehničkih nauka  
 Departman za inženjerstvo zaštite životne sredine i zaštite na radu  
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Srbija)  
<http://www.ftn.uns.ac.rs/n1861289157/bojan-batinic>

2009. – 2011.

**Saradnik u nastavi**

Fakultet tehničkih nauka  
 Departman za inženjerstvo zaštite životne sredine i zaštite na radu  
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Srbija)  
<http://www.ftn.uns.ac.rs/n1861289157/bojan-batinic>

2008. – 2009.

**Doktorand - Stipendista**

Ministarstvo prosvete, nauke i tehnološkog razvoja

OBRAZOVANJE

2008. – 2015.

**Doktor nauka – Inženjerstvo zaštite životne sredine**

Fakultet tehničkih nauka  
 Departman za inženjerstvo zaštite životne sredine i zaštite na radu  
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Srbija)

2002. – 2008

**Diplomirani inženjer zaštite životne sredine - Master**

Fakultet tehničkih nauka  
 Departman za inženjerstvo zaštite životne sredine i zaštite na radu  
 Trg Dositeja Obradovića 6, 21000 Novi Sad (Srbija)

## LIČNE VEŠTINE

Maternji jezik/ci Srpski

Drugi jezik	RAZUMEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Usmena interakcija	Usmeno izražavanje	
Engleski	C1	C1	B2	B2	B2
Upišite naziv sertifikata o znanju jezika. Unesite nivo, ako je poznat.					

Nivoi: A1/2: Osnovna upotreba jezika - B1/B2: Samostalna upotreba jezika - C1/C2 Napredna upotreba jezika  
[Zajednički evropski referentni okvir za jezike](#)

## Kompjuterske veštine

- Vešto vladanje Microsoft Office™ paketom (Word, Excel, Powerpoint)
- Korišćenje "Neuro Solution" – softvera za modelovanje na bazi veštačkih neuronskih mreža

## DODATNE INFORMACIJE

## Oblast i fokus istraživanja

- Analiza količine i sastava otpada
- Modelovanje i projekcija budućih karakteristika otpada
- Analiza sistema sakupljanja i transporta otpada
- Mogućnosti za iskorišćenje različitih vrsta otpadnih materijala
- Upravljanje posebnim tokovima otpada
- Primena metode veštačkih neuronskih mreža
- Višekriterijumska analiza
- Planiranje i razvoj sistema za upravljanje otpadom na lokalnom i regionalnom nivou
- Procena uticaja na životnu sredinu
- Osnovna primena „Cost-Benefit“ analize u sektoru upravljanja otpadom

## Predmeti

- Upravljanje posebnim tokovima otpada
- Osnove eksperimenata u zaštiti životne sredine
- Karakterizacija reciklabilnih materijala
- Stručna praksa

## Reprezentativne publikacije (M21-M23)

- 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 Batinić**, 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 Batinić**, 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

Relevantni projekti	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

#### Članstvo u profesionalnim organizacijama

- 2006 - Član Srpske Asocijacije za Upravljanje Otpadom - SeSWA
- 2008 - Član Međunarodne Asocijacije za Upravljanje Otpadom - ISWA
- 2010 - Član Međunarodne Grupe za Upravljanje Otpadom - IWWG

#### Usavršavanja u inostranstvu

- 02/06/2019 – 02/07/2019 - University of Brescia, Breša (u okviru programa za Gostujućeg Profesora)
- 01/10/2012 – 31/10/2012 - University of Natural Resources and Life Sciences – BOKU, Beč (OeAD PhD Studentska Stipendija)

#### PRILOZI

- Diploma doktora nauka

**РЕПУБЛИКА СРБИЈА****УНИВЕРЗИТЕТ У НОВОМ САДУ  
ФАКУЛТЕТ ТЕХНИЧКИХ НАУКА, НОВИ САД**

Оснивач: Република Србија

Аутономна Покрајина Војводина

Дозволу за рад 106-022-00534/2009-03 од 12. 11. 2009. године је издала  
Аутономна Покрајина Војводина, Покрајински секретаријат за образовање**ДИПЛОМА****Бојан (Јован) Батинић**

рођен 16. 01. 1981. године у Загребу, Република Хрватска, уписан школске 2007/2008. године, а дана 08. 05. 2015. године завршио је докторске академске студије трећег степена на студијском програму ИНЖЕЊЕРСТВО ЗАШТИТЕ ЖИВОТНЕ СРЕДИНЕ обима 180 (сто осамдесет) бодова ЕСПБ са просечном оценом 9,71 (девет и 71/100).

Наслов докторске дисертације је: „МОДЕЛ ЗА ПРЕДВИЂАЊЕ КОЛИЧИНЕ АМБАЛАЖНОГ И БИОРАЗГРАДИВОГ ОТПАДА ПРИМЕНОМ НЕУРОНСКИХ МРЕЖА“

На основу тога издаје се ова диплома о стеченом научном називу

**ДОКТОР НАУКА -  
ИНЖЕЊЕРСТВО ЗАШТИТЕ ЖИВОТНЕ СРЕДИНЕ**

Број дипломе: 012-ДС-4/3, 12. 07. 2015. године  
У Новом Саду

ДЕКАН

Проф. др Раде Дорословачки

В. Д. РЕКТОРА

Проф. др Радован Пејановић

UNS06PD10660