

## LIČNE INFORMACIJE



## Maja Turk Sekulić

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Pol ženski | Datum rođenja 15/02/1976 | Državljanstvo srpsko

## ZVANJE

Vanredni profesor na Departmanu za inženjerstvo zaštite životne sredine i zaštite na radu, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, Trg Dositeja Obradovića 6, 21000, Novi Sad, Srbija

## RADNO ISKUSTVO

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- |                         |  |
|-------------------------|--|
| 01.05.2015 – danas      | <b>Vanredni profesor</b><br>Fakultet tehničkih nauka, Univerzitet u Novom Sadu   |
| 17.09.2009 – 30.04.2015 | <b>Docent</b><br>Fakultet tehničkih nauka, Univerzitet u Novom Sadu              |
| 24.10.2006 – 16.09.2009 | <b>Asistent</b><br>Fakultet tehničkih nauka, Univerzitet u Novom Sadu            |
| 28.12.2004 – 23.10.2006 | <b>Asistent pripravnik</b><br>Fakultet tehničkih nauka, Univerzitet u Novom Sadu |

## OBRAZOVANJE I OBUKE

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|---|---|
| <b>Doktorska disertacija</b><br>(2009)      | <b>Doktor nauka</b><br>Fakultet tehničkih nauka, Univerzitet u Novom Sadu <ul style="list-style-type: none"><li>▪ Studijski program: Inženjerstvo zaštite životne sredine</li><li>▪ Studijska oblast: Inženjerstvo zaštite životne sredine i zaštite na radu</li><li>▪ Naslov završnog rada: Rasprostiranje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentnom sistemu</li></ul> |
| <b>Magistarske studije</b><br>(2003 - 2006) | <b>Magistar nauka</b><br>Univerzitet u Novom Sadu, Asocijacija centara za interdisciplinarne i multidisciplinarne studije i istraživanja <ul style="list-style-type: none"><li>▪ Studijski program: Inženjerstvo zaštite životne sredine</li></ul>  |

- Studijska oblast: Interdisciplinarne, multidisciplinarne, transdisciplinarne studije
  - Naslov završnog rada: Rezidualne količine karakterističnih kongenera polihlorovanih bifenila generisanih tokom konfliktnog perioda na prostorima bivše Jugoslavije
- Osnovne studije (1995 - 2003) **Diplomirani inženjer tehnologije**  
Tehnološki fakultet, Univerzitet u Novom Sadu
- Studijski program: Hemijsko inženjerstvo
  - Studijska oblast: Tehnološko inženjerstvo
  - Naslov završnog rada: Ispitivanje uticaja ulazne koncentracije dispergovane faze na koalescenciju u sloju poliuretana
- 20.03.2006 - 31.03.2006 **Workshop Role Of Vulnerability in (Disaster) Risk Reduction**  
United Nations University, Institute for Environment and Human Security (UNU-EHS), Bon, Nemačka
- 08.07.2007 - 15.07.2007 **Summer School of Environmental Chemistry and Ecotoxicology**  
Research Centre for Environmental Chemistry and EcoTOXicology, Masaryk University, Brno, Češka
- Jul / septembar 2014 **Learning courses: Sampling of environmental pollutants and Sample treatment of environmental matrices**  
Research Centre for Environmental Chemistry and EcoTOXicology, Masaryk University
- 13.06.2016 - 17.06.2016 **Summer School on Toxic Compounds in the Environment**  
Research Centre for Environmental Chemistry and EcoTOXicology, Masaryk University, Brno, Češka
- 08.11 -12.11.2016 **CEEPUS teacher mobility**  
Faculty of Health Sciences, University of Ljubljana, Slovenija
- 28.11.2016 - 02.12.2016 **CEEPUS teacher mobility**  
Faculty of Pharmacy, University of Sarajevo, Bosna i Hercegovina
- 27.05.2018 - 01.06.2018 **Predavač u letnjoj školi: "Training and research in environmental chemistry and toxicology"**  
Faculty of Health Sciences, University of Ljubljana, Slovenija
- 25.03.2019 - 29.03.2019 **ERASMUS+ Staff Mobility Facilitation and Teaching Programme**  
Environmental Research Institute, North Highland College, University of the Highlands and Islands, Turso, Škotska
- 03.07.2019 –09.07.2019 **ERASMUS mobility for training**

SRH Heidelberg University, Hajdelberg, Nemačka

Maternji jezik Srpski

Drugi jezik

engleski

RAZUMEVANJE		GOVOR		PISANJE
Slušanje	Čitanje	Usmena interakcija	Usmeno izražavanje	
C2	C2	C1	C1	C1

Organizacione/  
upravljačke  
veštine

- Rukovodilac master studijskog programa *Inženjerstvo tretmana i zaštite voda - TEMPUS*, Departman za inženjerstvo zaštite životne sredine i zaštite na radu, Fakultet tehničkih nauka u Novom Sadu (2018 - danas).
- Rukovodilac projekta za Srbiju: *Oasis Innovation Hub for Catastrophe and Climate Extremes Risk Assessment (H2020\_Insurance)*, European Commission's Horizon 2020 Research and Innovation Programme (ID: H2020-SC5-2016-TwoStag, GA: 730381 – H2020\_Insurance, <https://h2020insurance.oasishub.co/>), (2017 – danas).
- Rukovodilac projekta: *The use of modern analytical methods for characterization of pollution of drinking water sources in Novi Sad Municipality*, Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije, Međuvladin program bilateralne naučno-tehnološke saradnje između Republike Srbije i Slovačke Republike (GA: 680-00-140/2012-09/13), (2012-2013).
- MC Member za Srbiju projekta: *Sewage biomarker analysis for community health assessment (SCORE)*, ESSEM COST Action ES1307, <https://www.cost.eu/actions/ES1307/#tabs|Name:overview> (2014 – 2018).
- Rukovodilac projekta za Srbiju: *Democratia - Aqua – Technica*, DAAD: Ost-West-Dialog:Hochschuldialog mit den Ländern des westlichen Balkans 2020, (01.01.2020 -31.12.2020.)
- Koordinator projekta za Fakultet tehničkih nauka: *Novi ekološki komercijalni koagulant za obradu vode i otpadnih voda*, Dokaz koncepta, Fond za inovacionu delatnost (ID: 5156)(01.01.2020 - 31.12.2020.)
- Potpredsednik Sekcije za hemiju životne sredine i član upravnog odbora Srpskog hemijskog društva

LIČNE VEŠTINE

## Vozačka dozvola B kategorija

## DODATNE INFORMACIJE

## Publikacije

Pap, S., Kirk, C., Bremner, B., **Turk Sekulic, M.**, Shearer, L., Gibb, S., Taggart, M. (2020). Low-cost chitosan-calcite adsorbent development for potential phosphate removal and recovery from wastewater effluent. *Water Research*, Volume 173, 15 April 2020, 115573.

Pap, S., Kirk, C., Bremner, B., **Turk Sekulic, M.**, Gibb, S., Maletic S., Taggart, M. (2020). Synthesis optimisation and characterisation of chitosan-calcite adsorbent from fishery-food waste for phosphorus removal. *Environmental Science and Pollution Research*: <https://doi.org/10.1007/s11356-019-07570-0>.

**Turk Sekulić, M.**, Boskovic, N., Milanović, M., Grujić-Letić, N., Gligorić, E., Pap, S. (2019). An insight into the adsorption of three emerging pharmaceutical contaminants on multifunctional carbonous adsorbent: Mechanisms, modelling and metal coadsorption. *Journal of Molecular Liquids*: Vol. 284, pp. 372–382.

Paunović, O., Pap, S., Maletić, S., Taggart, M. A., Boskovic, N., **Turk Sekulic, M.** (2019). Ionisable emerging pharmaceutical adsorption onto microwave functionalised biochar derived from novel lignocellulosic waste biomass. *Journal of Colloid and Interface Science*: Vol. 547, pp. 350-360.

**Turk Sekulic, M.**, Boskovic, N., Slavković, A., Garunović, J., Kolaković, S., Pap, S. (2019). Surface functionalised adsorbent for emerging pharmaceutical removal: Adsorption performance and mechanisms. *Process Safety and Environmental Protection*: Vol. 125, pp. 50–63.

Brborić, M., Vrana, B., Radonić, J., Vojinović Miloradov, M., **Turk Sekulić, M.** (2019). Spatial distribution of PAHs in riverbed sediments of the Danube River in Serbia: Anthropogenic and natural sources. *Journal of the Serbian Chemical Society*: <https://doi.org/10.2298/JSC190129056B>

Gligorić, E., Igić, R., Suvajdzic, Lj., Teoflović, B., **Turk Sekulić, M.**, Grujić-Letić, N. (2019). Methodological Aspects of Extraction, Phytochemical Characterization and Molecular Docking Studies of *Salix caprea* L. Bark and Leaves. *Acta Chimica Slovenica*: DOI: 10.17344/acsi.2018.4829.

Vukelic, Dj., Boskovic, N., Agarski, B., Radonic, J., Budak I., Pap, S., **Turk Sekulic, M.** (2018): Eco-design of a low-cost adsorbent produced from waste cherry kernels. *Journal of Cleaner Production*, Volume 174: 1620-1628

**Turk Sekulić, M.**, Pap, S., Stojanović, Z., Bošković, N., Radonić, J., Šolević Knudsen, T. (2018): Efficient removal of priority, hazardous priority and emerging pollutants with *Prunus armeniaca* functionalized biochar from aqueous wastes: Experimental optimization and modeling. *Science of the Total Environment*, Volume 613: 736–750

Adamović, D., Dorić, J., Vojinović Miloradov, M., Adamović, S., Pap, S., Radonić, J., **Turk Sekulić, M.** (2018): The emission of BTEX compounds during movement of passenger car in accordance with the NEDC. *Science of the Total Environment*, Volume 639: 339-349

Pap, S., Bezanovic, V., Radonic, J., Babic, A., Saric, S., Adamovic, D., **Turk Sekulic, M.** (2018): Synthesis of highly-efficient functionalized biochars from fruit industry waste biomass for the removal of chromium and lead. *Journal of Molecular Liquids*, Volume 268: 315-325

Milić, N., Milanović, M., Radonić, J., **Turk Sekulić, M.**, Mandić, A., Orčić, D., Mišan, A., Milovanović, I., Grujić-Letić, N., Vojinović Miloradov, M. (2018): The occurrence of selected xenobiotics in the Danube river via LC-MS/MS. *Environmental Science and Pollution Research*, Volume 25: 11074-11083

Radonić, J., Jovčić Gavanski, N., Ilić, M., Popov, S., Batić Očovaj, S., Vojinović Miloradov, M., **Turk Sekulić, M.** (2017). Emission sources and health risk assessment of polycyclic aromatic hydrocarbons in ambient air during heating and non-heating periods in the city of Novi Sad, Serbia. *Stochastic Environmental Research and Risk Assessment*, Volume 31: 2201–2213

Radonić, J., Kocić Tanackov, S., Mihalović, I., Grujić, Z., Vojinović Miloradov, M., Škrinjar, M., **Turk Sekulić, M. (2017)**: Occurrence of aflatoxin M<sub>1</sub> in human milk samples in Vojvodina, Serbia: Estimation of average daily intake by babies. *Journal of Environmental Science & Health, Part B - Pesticides, Food Contaminants, & Agricultural Wastes*, Volume 52, Issue 1: 59-63

Pap, S., Šolević Knudsen, T., Radonić, J., Maletić, S., Igić, S., **Turk Sekulić, M. (2017)**: Utilization of fruit processing industry waste as green activated carbon for the treatment of heavy metals and chlorophenols contaminated water. *Journal of Cleaner Production*, Volume 162: 958-972

Đogo, M., Radonić, J., Mihajlović, I., Obrovski, B., Ubavin, D., **Turk Sekulić, M.**, Vojinović Miloradov, M. (2017): Selection of optimal parameters for future research monitoring programmes on MSW landfill in Novi Sad, Serbia. *Fresenius Environmental Bulletin*, Volume 26, No. 7: 4867-4875

Pap, S., Radonic, J., Trifunovic, S., Adamovic, D., Mihajlovic, I., Vojinovic Miloradov, M., **Turk Sekulic, M. (2016)**: Evaluation of the adsorption potential of eco-friendly activated carbon prepared from cherry kernels for the removal of Pb<sup>2+</sup>, Cd<sup>2+</sup> and Ni<sup>2+</sup> from aqueous wastes. *Journal of Environmental Management*, Volume 184: 297-306

Stošić, M., Čučak, D., Kovačević, S., Perović, M., Radonić, J., **Turk Sekulić, M.**, Vojinović Miloradov, M., Radnović, D. (2016): Meat industry wastewater: microbiological quality and antimicrobial susceptibility of *E. Coli* and *Salmonella* sp. Isolates, case study in Vojvodina, Serbia. *Water Science and Technology*, Volume 73, No. 10: 2509-2517

Ilić, M., Putnik, S., Prvulović Bunović, N., Vojinović Miloradov, M., Mihajlović, I., **Turk Sekulić, M.**, Radonić, J. (2016): Hepatocellular Carcinoma and Impact of sflatoxin difuranocoumarin derivative system – Case Report. *Srp Arh Celok Lek*, Volume 144(11-12): 661-663

Sremački, M., Milanović, M., Mihajlović, I., Spanik, I., Radonić, J., **Turk Sekulić, M.**, Milić, N., Vojinović Miloradov, M. (2016): Adaptation of screening analysis method for key pollutants in wastewater of meat industry. *Fresenius Environmental Bulletin*, Volume 25, No. 11: 5008-5013

Milanović, M., Sudji, J., Grujić Letić, N., Radonić, J., **Turk Sekulić, M.**, Vojinović Miloradov, M., Milić, N. (2015): Seasonal variations of bisphenol A in the Danube by the Novi Sad municipality, Serbia. *Journal of the Serbian Chemical Society*, Volume 81, No. 3: 333-345

Vojinović-Miloradov M., **Turk Sekulić M.**, Radonić J., Milić N., Grujić-Letić N., Mihajlović I., Milanović M. (2014): Industrial emerging chemicals in the environment. *Hemijska industrija*, Volume 68, No. 1: 51-62

Milić, N., Spanik, I., Radonić, J., **Turk Sekulić, M.**, Grujić, N., Vyviurska, O., Milanović, M., Sremački, M., Vojinović Miloradov, M. (2014): Screening analyses of wastewater and Danube surface water in Novi Sad locality, Serbia. *Fresenius Environmental Bulletin*, Volume 23, No. 2: 372-377

Jovčić, N., Radonić, J., **Turk Sekulić, M.**, Vojinović Miloradov, M., Popov, S. (2013): Identifikacija izvora emisije čestične frakcije policikličnih aromatičnih ugljovodonika u neposrednoj blizini industrijske zone Novog Sada. *Hemijska industrija*, Volume 67, No. 2: 337-348

Milić, N., Milanović, M., Grujić Letić, N., **Turk Sekulić, M.**, Radonić, J., Mihajlović, I., Vojinović Miloradov, M. (2013): Occurrence of antibiotics as emerging contaminant substances in aquatic environment. *International Journal of Environmental Health Research*, Volume 23, No. 4: 296-310

**Turk Sekulić, M.**, Okuka, M., Šenk, N., Radonić, J., Vojinović Miloradov, M., Vidicki, B. (2013): Assessment of atmospheric distribution of polycyclic aromatic hydrocarbons using a molecular structure model. *Atmospheric Research*, Volume 128: 111-119

Radonić, J., Vojinović Miloradov, M., **Turk Sekulić, M.**, Kiurski, J., Djogo, M., Milovanović, D. (2011): The octanol-air partition coefficient, KOA, as a predictor of gas-particle partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls at industrial and urban sites. *Journal of the Serbian Chemical Society*, Volume 76, No. 3: 447–458

Radonić, J., Čulibrk, D., Vojinović Miloradov, M., Kukić, B., **Turk Sekulić, M.** (2011): Prediction of Gas-Particle Partitioning of Polycyclic Aromatic Hydrocarbons Based on M5' Model Trees. *Thermal Science*, Volume 15, No. 1: 105-114

**Turk Sekulić, M.**, Radonić, J., Vojinović-Miloradov, M., Šenk, N., Okuka, M. (2011): Procena atmosfere raspodele polihlorovanih bifenila i policikličnih aromatičnih ugljovodonika primenom poliparametarskog modela. *Hemijska industrija*, Volume 65, No. 4: 371-380

Radonic, J., **Turk Sekulic, M.**, Vojinovic Miloradov, M., Čupr, P., Klánová, J. (2009): Gas-particle partitioning of persistent organic pollutants in the Western Balkan countries affected by war conflicts. *Environmental Science and Pollution Research*, Volume 16, Issue 1: 65-72

**Turk, M.**, Jakšić, J., Vojinović Miloradov, M., Klanova, J. (2007): Post-war levels of persistent organic pollutants (POPs) in air from Serbia determined by active and passive sampling methods. *Environmental Chemistry Letters (ECL)*, Journal 5: 109-113

#### Projekti

Oasis Innovation Hub for Catastrophe and Climate Extremes Risk Assessment, H2020\_Insurance, H2020-IA-730381, European Commission, H2020 (2017 – danas)

Democratia - Aqua – Technica, DAAD: Ost-West-Dialog: Hochschuldialog mit den Ländern des westlichen Balkans 2020, (01.01.2020 -31.12.2020.)

Novi ekološki komercijalni koagulant za obradu vode i otpadnih voda, Dokaz koncepta, Fond za inovacionu delatnost (ID: 5156)(01.01.2020 -31.12.2020.)

ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry Education, NETCHEM, EAC-A04-2015, Erasmus+ (2016 – danas)

Diagnosis, Monitoring and Prevention of Exposure-Related Noncommunicable Diseases, DiMoPEX, COST Action CA15129 (2016 – danas)

Training and research in environmental chemistry and toxicology, CIII-SI-0905-02, CEEPUS (2015 – danas)

Sewage biomarker analysis for community health assessment, SCORE, COST Action ES1307 (2014 – 2018)

Network for education and training for public environmental laboratories, NETREL, 530554-TEMPUS-1-2012-SK-JPHES, TEMPUS (2012 – 2016)

Unapređenje i razvoj higijenskih i tehnoloških postupaka u proizvodnji namirnica životinjskog porekla u cilju dobijanja kvalitetnih i bezbednih proizvoda konkurentnih na svetskom tržištu, III46009, Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije (2011 – danas)

Karakterizacija kinetike i uticaja visoko hazardnih (emerging) polutanata otpadnih tokova grafičke industrije, TR34014, Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije (2011 – danas)

Drinking Water Quality Risk Assessment and Prevention in Novi Sad municipality, Serbia, North Atlantic Treaty Organization (ESP.EAP.SFP 984087, The NATO Science for Peace and Security Programme (2011 – 2015)



POPs concentrations in ambient air of the Europe: Application of the passive air sampling technique as a tool for trend determination, and effectiveness evaluation of international conventions, MONET Europe, RECETOX, Masaryk University, Brno, Czech Republic (2009 – danas)

Strengthening the Capacity for Implementation of the Directive 76/464/EEC in Vojvodina Region, SAMRS/2007/01/36, Slovak AID (2008 – 2009)

Institutional support of integrated water pollution control and management in Vojvodina region with application of EU directives, NPOA/G32/2004, Slovak AID (2006 - 2007)

Determination of trends in the ambient air POPs concentrations in the Central and Eastern European Region using the polyurethane foam based passive air samplers, PAS\_CEECs, RECETOX, Masaryk University, Brno, Czech Republic (2006 – 2007)

Floods and human security – Tamis river, April-May 2005, ICA No. JB-2006-ICA-o-0002, United Nations University, Institute for Environment and Human Security, Germany (2005 – 2007)

Assessment of the selected POPs (PCBs, PCDDs/Fs, OCPs) in the atmosphere and water ecosystems from the waste materials generated by warfare in former Yugoslavia, APOPSBAL, ICA2-CT2002-10007, European Commission, The fifth framework Programme (2002 - 2005)

CA COST Action CA15121: Advancing marine conservation in the European and contiguous seas (MarCons), 01.06.2016 – 31.05.2020.

#### Članstva

Srpsko hemijsko društvo

Society of Environmental Toxicology and Chemistry (SETAC)

#### Citiranost

Ukupan: 437 (h – index 11)

(<https://scholar.google.com/citations?user=mpXJUOoAAAAJ>)