

PERSONAL INFORMATION



Maja Turk Sekulic

Trg Dositeja Obradovića 6, 21000, Novi Sad, Serbia

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Sex Female | Date of birth 15/02/1976 | Nationality Serbian

POSITION

Full professor, Department of Environmental Engineering and Occupational Safety and Health, Faculty of Technical Sciences, University of Novi, Trg Dositeja Obradovića 6, 21000, Novi Sad, Serbia

WORK EXPERIENCE

01.05.2020 - present

Full Professor

Faculty of Technical Sciences, University of Novi Sad

01.05.2015 – 01.05.2020.

Associate Professor

Faculty of Technical Sciences, University of Novi Sad

17.09.2009 – 30.04.2015

Assistant Professor

Faculty of Technical Sciences, University of Novi Sad

24.10.2006 – 16.09.2009

Teaching Assistant (MSc)

Faculty of Technical Sciences, University of Novi Sad

28.12.2004 – 23.10.2006

Teaching Assistant

Faculty of Technical Sciences, University of Novi Sad

EDUCATION AND TRAINING

Doctoral Academic Studies (2009)

Doctor of Science (PhD)

Faculty of Technical Sciences, University of Novi Sad

- Study program: Environmental Engineering
- Study field: Environmental and Occupational Safety Engineering
- Title of Doctoral Thesis: *Distribution, deposition and partition processes of polychlorinated biphenyls in heterogeneous multicompartment system*

Master of Science (MSc)

Master Academic Studies (2003 - 2006)	University of Novi Sad, Association of Centres for Interdisciplinary and Multidisciplinary Studies and Research ▪ Study program: Environmental Engineering ▪ Study field: Interdisciplinary, Multidisciplinary, Transdisciplinary Studies ▪ Title of Master Thesis: <i>Residual quantities of PCB congeners generated during the war period in former Yugoslavia</i>
Bachelor studies (1995 - 2003)	Bachelor of Science (BSc) Faculty of Technology, University of Novi Sad ▪ Study program: Chemical Engineering ▪ Study field: Technology Engineering ▪ Title of Bachelor Thesis: <i>Investigation of dispersed phase concentration influence on coalescence in porous packed bed of polyurethane</i>
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), Bonn, Germany
08.07.2007 - 15.07.2007	Summer School of Environmental Chemistry and Ecotoxicology Research Centre for Environmental Chemistry and EcoTOXicology, Masaryk University, Brno, Czech Republic
July / September 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, Czech Republic
08.11 -12.11.2016	CEEPUS teacher mobility Faculty of Health Sciences, University of Ljubljana, Slovenia
28.11.2016 - 02.12.2016	CEEPUS teacher mobility Faculty of Pharmacy, University of Sarajevo, Bosnia and Herzegovina
27.05.2018 - 01.06.2018	Lecturer in summer school: "Training and research in environmental chemistry and toxicology" Faculty of Health Sciences, University of Ljubljana, Slovenia
25.03.2019 - 29.03.2019	ERASMUS+ Staff Mobility Facilitation and Teaching Programme

03.07.2019 –09.07.2019	Environmental Research Institute, North Highland College, University of the Highlands and Islands, Thurso, Scotland ERASMUS mobility for training SRH Heidelberg University, Heidelberg, Germany
30.08.2021 –04.09.2021	CEEPUS teacher mobility Faculty of Health Sciences, University of Ljubljana, Slovenija
09.05.2022 –13.05.2022	CEEPUS teacher mobility BOKU - University of Natural Resources and Life Sciences, Vienna, Austria
29.05.2022 –04.06.2022	ERASMUS mobility for teaching SRH Heidelberg University, Heidelberg, Germany
07.11.2022 –23.11.2022	CEEPUS teacher mobility Faculty of Food Technology, Josip Juraj Strossmayer University, Osijek, Croatia

Mother tongue Serbian

Other language	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1

PERSONAL SKILLS

Organisational/
managerial skills

- Coordinator of the project for Serbia: *Rural Environmental Monitoring via Ultra Wide-Area Networks and Distributed Federated Learning, (REMARKABLE)*, HORIZON-MSCA-2021-SE-01, Project ID: 101086387, European Commission (2022 – 2026).
- Chair of master academic studies program *Water Treatment and Safety Engineering*, Department of Environmental Engineering and Occupational Safety and Health, Faculty of Technical Sciences, University of Novi Sad, (2018-present)
- Coordinator of the project for Serbia: *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 – 2020).
- Project leader: *The use of modern analytical methods for characterization of pollution of drinking water sources in Novi Sad Municipality*, Ministry of Education, Science and Technological Development, Intergovernmental program of bilateral scientific and technological cooperation between the Republic of Serbia and the Slovak Republic (GA: 680-00-140/2012-09/13), (2012-2013).
- MC Member for Serbia: *Sewage biomarker analysis for community health assessment (SCORE)*, ESSEM COST Action ES1307, <https://www.cost.eu/actions/ES1307/#tabs|Name:overview> (2014 – 2018).
- Project leader for Serbia: *Democratia - Aqua – Technica*, DAAD: Ost-West-Dialog: Hochschuldialog mit den Ländern des westlichen Balkans 2020, (01.01.2020 -31.12.2020.)
- Project coordinator for Faculty of Technical Sciences: *New ecological commercial coagulant for water and wastewater treatment*, Proof of Concept, Innovation Fund (ID: 5156) (01.01.2020 - 20.08.2021.)
- Project leader for Serbia: *Democratia - Aqua – Technica II*, DAAD: Ost-West-Dialog: Hochschuldialog mit den Ländern des westlichen Balkans 2020, (01.01.2021 -31.12.2021.)
- Project leader for Serbia: *Democratia - Aqua – Technica III*, DAAD: Ost-West-Dialog: Hochschuldialog mit den Ländern des westlichen Balkans 2020, (01.01.2022 - present)
- Serbian Chemical Society:
 - Vice President of the Section for Environmental Chemistry (2015 – present)
 - Member of the Board of Directors

Driving licence B category

ADDITIONAL INFORMATION

Publications

Radovic, S., Pap, S., Niemi, L., Prodanovic, J., **Turk Sekulic, M. (2023)**. A review on sustainable technologies for pharmaceutical elimination in wastewaters — A ubiquitous problem of modern society. **Journal of Molecular Liquids**, Vol. 383, Article 122121.

Pap, S., Paunovic, O., Prosen, H., Krasevec, I., Trebse, P., Niemi, L., Taggart, M.A., **Turk Sekulic M. (2023)** Removal of benzotriazole derivatives by biochar: Potential environmental applications. **Environmental Pollution**, Vol. 334, Article 122205.

Cojbasic, S., Dmitrasinovic, S., Kostic, M., **Turk Sekulic, M.**, Radonic, J., Dodig, A., Stojkovic, M. (2023). Application of machine learning in river water quality management: a review. **Water Science & Technology**, Vol 88, No 9, 2297 doi: 10.2166/wst.2023.331.

Radovic, S., **Turk Sekulic, M.**, Agarski, B., Pap, S., Vukelic, D., Budak, I., Prodanović, J. (2023): Life cycle assessment of new bio - based coagulant production for sustainable wastewater treatment. **International Journal of Environmental Science and Technology**, July 2023, <https://doi.org/10.1007/s13762-022-04440-0>.

Gvoic, V., Prica, M., **Turk Sekulic, M.**, Pap, S., Paunovic, O., Kulic-Mandic, A., Becelic-Tomin, M., Vukelic, Dj., Kerkez, Dj. (2022): Synergistic effect of Fenton oxidation and adsorption process in treatment of azo printing dye: DSD optimization and reaction mechanism interpretation. **Environmental Technology**, November 2022, <https://doi.org/10.1080/09593330.2022.2154082>.

Pap, S., Gaffney, P.P.J., Bremner, B., **Turk Sekulic, M.**, Maletic, S., Gibb, S.W., Taggart, M.A., (2022): Enhanced phosphate removal and potential recovery from wastewater by thermo-chemically calcinated shell adsorbents. **Science of the Total Environment**, Vol.814, March 2022, Article 15.

Kolakovic, S., Salgado, R., Freitas, E. B., Bronze, M.R., **Turk Sekulic, M.**, Carvalho, G., Reis, M. A. M., Oehemen, A. (2022): Diclofenac biotransformation in the enhanced biological phosphorus removal process. **Science of the Total Environment**, Vol. 806, Part 3, 1 February 2022, Article 151232.

Vojinović Miloradov, M., **Turk Sekulic, M.**, Ignjatović, L., Krajinović, S., Adamović, D., Radonić, J. (2022): Modelling of gas-particle partitioning of PAHs according to ab/adsorption approach. **Journal of the Serbian Chemical Society**, Vol. 87, No. 1, January 2022, pp.157-168.

Pap, S., **Turk Sekulic, M.**, Bremner, B., Taggart, M.A., (2021). From molecular to large-scale phosphorous recovery from wastewater using cost-effective adsorbents: an integrated approach. **Integr. Hybrid Process Technol. Water Wastewater Treat.** 61–85. <https://doi.org/10.1016/b978-0-12-823031-2.00025-2>.

Pap, S., Stankovits, G., Gyalai-Korpos, M., Makó, M., Erdélyi, I., **Turk Sekulic, M. (2021)**: Biochar application in organics and ultra-violet quenching substances removal from sludge dewatering leachate for algae production. **Journal of Environmental Management**, Vol. 298, 15 November 2021, Article 113446.

Liu, S., Lim, Y.H., Pedersen, M., Therning Jørgensen, J., Amini, H., Cole-Hunter, T., Mehta, A.J., So, R., Mortensen, L.H., Westendorp, R.G.J., Loft, S., Vaclavik Bräuner, E., Ketzler, M., Hertel, O., Brandt, J., Jensen, S.S., Christensen, J.H., Sigsgaard, T., Geels, C., Frohn, L. M., Brboric, M., Radonic, J., **Turk Sekulic, M.**, Bonnelykke, K., Backalarz, C., Kildevæld Simonsen, M., Jovanovic Andersen, Z. (2021): Long-term exposure to ambient air pollution and road traffic noise and asthma incidence in adults: The Danish Nurse cohort.

Environment International, Vol. 152, Article 106464.

Pap, S., Boyd, K.G., Taggart, M.A., **Turk Sekulic, M. (2021)**: Circular economy based landfill leachate treatment with sulphur-doped microporous biochar. **Waste Management**, Vol. 124, 1 April 2021, pp. 160-171.

Liu, S., Lim, Y.H., Pedersen, M., Therning Jørgensen, J., Amini, H., Cole-Hunter, T., Mehta, A.J., So, R., Mortensen, L.H., Westendorp, R.G.J., Loft, S., Vaclavik Bräuner, E., Ketzler, M., Hertel, O., Brandt, J., Jensen, S.S., Christensen, J.H., Sigsgaard, T., Geels, C., Frohn, L. M., Brboric, M., Radonic, J., **Turk Sekulic, M.**, Bønnelykke, K., Backalarz, C., Kildevæld Simonsen, M., Jovanovic Andersen, Z. **(2021)**: Long-term air pollution and road traffic noise exposure and COPD: The Danish Nurse Cohort. **European Respiratory Journal**, DOI: 10.1183/13993003.04594-2020.

Pap, S., Taggart, M. A., Shearer, L., Li, Y., Radovic, S., **Turk Sekulic, M. (2021)**. Removal behaviour of NSAIDs from wastewater using a P-functionalised microporous carbon. **Chemosphere**, Vol. 264, Article 128439.

Ádám, B., Göen, T., Scheepers, P.T.J., Adliene, D., Batinic, B., Budnik, L.T., Duca, R.-C., Ghosh, M., Giurgiu, D.I., Godderis, L., Goksel, O., Hansen, K.K., Kassomenos, P., Milic, N., Orru, H., Paschalidou, A., Petrovic, M., Puiso, J., Radonic, J., **Turk Sekulic, M.**, Teixeira, J.P., Zaid, H., Au, W.W. **(2021)**: From inequitable to sustainable e-waste processing for reduction of impact on human health and the environment. **Environmental Research**, Vol. 194, March 2021, Article 110728.

Pap, S., Kirk, C., Bremner, B., **Turk Sekulic, M.**, Shearer, L., Gibb, S., Taggart, M. **(2020)**. Reply to comments on “Low-cost chitosan-calcite adsorbent development for potential phosphate removal and recovery from wastewater effluent” by Pap et al. [Water research 173 (2020) 115573]. **Water Research**, Vol. 179, 15 July 2020, Article 115828.

Bijlsma, L., Celma, A., Castiglioni, S., Salgueiro-González, N., Bou-Iserte, L., Baz-Lomba, J.A., Reid, M.J., Dias, M.J., Lopes, A., Matias, J., Pastor-Alcañiz, L., Radonić, J., **Turk Sekulic, M.**, Shine, T., van Nuijs, A.L.N., Hernandez, F., Zuccato, E. **(2020)**: Monitoring psychoactive substance use at six European festivals through wastewater and pooled urine analysis. **Science of The Total Environment**, Vol. 725, 10 July 2020, Article 138376.

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**, Vol. 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**, Vol. 27, pp. 9790–9802.

Turk Sekulic, 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., Maletic, 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 Sekulic, 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**, Vol. 84, Issue 12, pp. 1439-1453.

Gligorić, E., Igić, R., Suvajdzic, Lj., Teoflović, B., **Turk Sekulic, 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**, Vol. 66, No. 4.

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**, Vol. 639, pp. 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**, Vol. 268, pp. 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, pp. 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**, Vol. 31, pp. 2201–2213.

Radonić, J., Kocić Tanackov, S., Mihalović, I., Grujić, Z., Vojinović Miloradov, M., Škrinjar, M., **Turk Sekulić, M. (2017):** Occurrence of aflatoxin M1 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**, Vol. 52, Issue 1, pp. 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**, Vol. 162, pp. 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**, Vol. 26, No. 7, pp. 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 Pb²⁺, Cd²⁺ and Ni²⁺ from aqueous wastes. **Journal of Environmental Management**, Vol. 184, pp. 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**, Vol. 73, No. 10, pp. 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**, 2016 Nov-Dec Volume 144(11-12), pp. 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**, Vol. 25,

No. 11, pp. 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**, Vol. 81, No. 3, pp. 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**, Vol. 68, No. 1, pp. 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**, Vol. 23, No. 2, pp. 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**, Vol. 67, No. 2, pp. 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**, Vol. 128, pp. 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**, Vol. 76, No. 3, pp. 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**, Vol. 15, No. 1, pp. 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**, Vol. 65, No. 4, pp. 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**, Vol. 16, Issue 1, pp. 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 Journal**, Vol. 5, pp. 109-113.

Books

Occurrence, Physico – Chemical Characteristics and Analytical Determination of Emerging Substances. University of Novi Sad, Faculty of Technical Sciences, 2014.

Chemical phenomena in engineering. University of Novi Sad, Faculty of Technical Sciences, 2019.

The truth about the consequences of NATO bombing in Serbia during the 1999. Serbian Cancer Society, Belgrade, Serbia, 2021.

Integrated and Hybrid Process Technology for Water and Wastewater Treatment. Elsevier, 2021. <https://doi.org/10.1016/b978-0-12-823031-2.00025-2>

Gayh, U., Turk Sekulic, M., Zierock, B. (2023). **Democratia-Aqua-Technica Initiative: Cross-Media Approach for Developing Sustainable Projects.** In: Leal Filho, W., Dinis, M.A.P., Moggi, S., Price, E., Hope, A. (eds) *SDGs in the European Region. Implementing the UN Sustainable Development Goals – Regional Perspectives.* Springer, Cham. https://doi.org/10.1007/978-3-031-17461-2_104.

Projects

REmote WATer quality monitoRing and INtelliGence, REWARDING, Green program of cooperation between science and industry, Science Fund of the Republic of Serbia (2023-2025).

Green Chemical Engineering Network towards upscaling sustainable processes, GREENERING, CA COST Action CA18224 (2019 – 2024).

Plastics monitoRING detectiOn RemedIaTion recovery, PRIORITY, CA COST Action CA20101 (2021-2025).

Democratia - Aqua – Technica IV, DAAD: Ost-West-Dialog: Hochschuldialog mit den Ländern des westlichen Balkans 2022, (01.01.2023 -31.12.2023)

New ecological commercial coagulant for water and wastewater treatment, Technology Transfer Program, Innovation Fund, SER (TTP ID 1131) (2022 -2023).

Rural Environmental Monitoring via Ultra Wide-Area Networks and Distributed Federated Learning, REMARKABLE, HORIZON-MSCA-2021-SE-01, Project ID: 101086387, European Commission (2022 – 2026).

Spatio-temporal variations of the respirable particles level in the urban area of Novi Sad - mobile monitoring, modeling and creation of high-resolution maps, City Administration for Environmental Protection, Novi Sad, Republic of Serbia, No: VI-501-2/2021-19v-19, (2021-2022).

Short-term Air Quality Action Plan of the Beočin municipality prepared by The Faculty of Technical Sciences, Department of Environmental Engineering and Occupational Safety and Health. Client: Republic of Serbia - AP Vojvodina, municipality of Beočin - municipal administration (2019 - present).

Democratia - Aqua – Technica III, DAAD: Ost-West-Dialog: Hochschuldialog mit den Ländern des westlichen Balkans 2022, (01.01.2022 -31.12.2022)

Role of Human Exposure Assessment in Air Quality Management: Links Between Risk Factors and Health Outcomes (LiBAir), Serbian Science and Diaspora Collaboration Program: Knowledge Exchange Vouchers - University of Novi Sad, Faculty of Technical Sciences, Serbia & University of Copenhagen, Section of Environmental Health, Department of Public Health, Denmark. Science Fund of the Republic of Serbia (2021-2022)

Democratia - Aqua – Technica II, DAAD: Ost-West-Dialog: Hochschuldialog mit den Ländern des westlichen Balkans 2021, (01.01.2021 -31.12.2021.)

New ecological commercial coagulant for water and wastewater treatment, Proof of concept, Innovation Fund; SER (ID: 5156) (01.01.2020 - 20.08.2021.)

Oasis Innovation Hub for Catastrophe and Climate Extremes Risk Assessment, H2020_Insurance, H2020-IA-730381, European Commission, H2020 (2017 – 2020.)

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

Diagnosis, Monitoring and Prevention of Exposure-Related Noncommunicable Diseases, DiMoPEX, CA COST Action CA15129 (2016 – 2020).

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

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

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)

Improvement and development of hygienic and technological procedures in production of animal originating foodstuffs with the aim of producing high-quality and safe products competitive on the global market, III46009, Ministry of Education, Science and Technological Development, Republic of Serbia (2011 – present)

Characterization of the kinetics and impact of the highly hazardous (emerging) pollutants of the waste streams of the graphic industry, TR34014, Ministry of Education, Science and Technological Development, Republic of Serbia (2011 – present)

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)

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