

PERSONAL INFORMATION

Jelena Radonić



 Trg Dositeja Obradovića 6, 21000, Novi Sad, Serbia

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Sex Female | **Date of birth** 06/07/1976 | **Nationality** Serbian

POSITION

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

WORK EXPERIENCE

(01/02/2020 – present)

Full Professor

Faculty of Technical Sciences, University of Novi Sad

(01/02/2015 – 31/01/2020)

Associate Professor

Faculty of Technical Sciences, University of Novi Sad

(17/09/2009 – 31/01/2015)

Assistant Professor

Faculty of Technical Sciences, University of Novi Sad

(25/04/2009 – 16/09/2009)

Teaching Assistant (PhD)

Faculty of Technical Sciences, University of Novi Sad

(27/11/2006 – 24/04/2009)

Teaching Assistant (MSc)

Faculty of Technical Sciences, University of Novi Sad

(01/04/2004 – 26/11/2006)

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: Atmospheric transport and modelling of gas-particle partitioning of polycyclic aromatic hydrocarbons

Master Academic Studies (2002 - 2006)

Master of Science (MSc)

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: Concentration levels of persistent organic pollutants in the atmosphere generated during the war accident from 1992-1999

Bachelor Academic Studies (1995 - 2002)	Bachelor of Science (BSc) Faculty of Technology, University of Novi Sad - Study program: Chemical Engineering - Study field: Technology Engineering - Title of Bachelor Thesis: Testing the geometry and hydrodynamics of different materials fibre layers
(15/07/2002 – 16/08/2002)	Summer School of Chemical Engineering Die Technische Universität Dortmund, Dortmund, Germany
(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
(07/07/2008 – 13/07/2008)	Summer School of Environmental Chemistry and Ecotoxicology Research Centre for Environmental Chemistry and EcoTOXicology, Masaryk University, Brno, Czech Republic
(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
(17/04/2017 – 28/04/2017)	CEEPUS teacher mobility Universität für Bodenkultur Wien (BOKU), Vienna, Austria
(25/03/2019 – 29/03/2019)	ERASMUS mobility for teaching Environmental Research Institute, North Highland College, University of the Highlands and Islands, Thurso, Scotland
(03/07/2019 – 09/07/2019)	ERASMUS mobility for training SRH Heidelberg University, Heidelberg, Germany
(21/06/2021 – 25/06/2021)	Summer School on Social and Environmental Epidemiology Research Centre for Environmental Chemistry and EcoTOXicology, Masaryk University, Brno, Czech Republic
(17/10/2022 – 22/10/2022)	ERASMUS mobility for teaching University of the Aegean, Greece

PERSONAL SKILLS

Mother tongue Serbian

Other language

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

Organisational / managerial skills

- Head of the Chair of Environmental Engineering, Department of Environmental Engineering and Occupational Safety and Health, Faculty of Technical Sciences, Novi Sad (2018 - 2024)
- Leader of the Project: Treatment and quality of the meat industry wastewater and determination of the emerging substances with the aim of reducing the contamination of surface water, within the Project: 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, Ministry of Education, Science and Technological Development, Republic of Serbia, III46009 (2011 – 2019)
- Leader of the Project: Role of human exposure assessment in air quality management: links between risk factors and health outcomes, LiBAir, Science Fund of the Republic of Serbia (2021)
- Leader of the project: The Sounds of the Danube: Towards an Interdisciplinary Environmental Education, STREAM, Baden-Württemberg Foundation, Germany (2024)

Driving licence

B category

Research interests

Applied aspects of environmental pollution, behaviour and fate of the pollutants in the environment, air pollution, air quality monitoring and modelling, water quality monitoring, wastewater management and treatment techniques, pollution exposure, bioresource recovery, circular economy.

ADDITIONAL INFORMATION

Publications

Dmitrašinić, S., Brborić, M., Turk Sekulić, M., Radonić, J. (2025): Chronic Health Risk Assessment of PM_{2.5} in the Urban Core of Novi Sad, Serbia. Tehnički vjesnik, 32 (3): 981-992

Dmitrašinić, S., Radonić, J., Živković, M., Ćirović, Ž., Jovašević Stojanović, M., Davidović, M. (2024): Winter and Summer PM_{2.5} Land Use Regression Model for the city of Novi Sad, Serbia, Sustainability, 16 (13): 5314

Vujić, M., Vasiljević S., Rocha-Santos T., Agbaba J., Čepić Z., Radonić J., Tubić A. (2023): Improving of an easy, effective and low-cost method for isolation of microplastic fibers collected in drying machines filters, Science of the Total Environment, Volume 892: 164549

Ćojbašić, S., Dmitrašinić, S., Kostić, M., Turk Sekulić, M., Radonić, J., Dodig, A., Stojković, M. (2023): Application of machine learning in river water quality management: a review. Water Science and Technology, 88 (9): 2297–2308

Vojinović-Miloradov, M., Turk Sekulić, 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, Volume 1, No. 87: 157-168

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., Ketzel, M., Hertel, O., Brandt, J., Jensen, S.S., Christensen, J.H., Sigsgaard, T., Geels, C., Frohn, L.M., Brborić, M., Radonić, J., Turk Sekulic, M., Bønnelykke, K., Backalarz, C., Kildevæld Simonsen, M., Jovanović Andersen, Z. (2021): Long-term air pollution and road traffic noise exposure and COPD: the Danish Nurse Cohort. European Respiratory Journal, <https://doi.org/10.1183/13993003.04594-2020>

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., Ketzel, 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 exposure to ambient air pollution and road traffic noise and asthma incidence in adults: The Danish Nurse cohort. Environment International, Volume 152: 106464

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., Sekulic, M.T., 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*, Volume 194: 110728

Davidović, M., Dmitrašinović, S., Jovanović, M., Radonić, J., Jovašević-Stojanović, M. (2021): Diurnal, Temporal and Spatial Variations of Main Air Pollutants Before and during Emergency Lockdown in the City of Novi Sad (Serbia). *Applied Sciences*, Volume 11: 1212

Bijlsma, L., Celma, A., Castiglioni, S., Salgueiro-Gonzales, N., Bou-iserte, L., Baz-Lomba, J., Reid, M., Dias, M., Lopes, A., Matias, J., Pastor-Alcaniz, L., Radonić (Jakšić), J., Turk Sekulić, M., Shine, T., van Nuijs, A., Hernandez, F., Zuccato, E. (2020): Monitoring psychoactive substance use at six European festivals through wastewater and pooled urine analysis, *Science of Total Environment*, Volume 725: 138376

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*, Volume 84: 1439-1453

Milovanović, D., Spanik, I., Vojinović Miloradov, M., Mihajlović, I., Radonić, J., Machynakova, A., Petrović, M. (2019): Risk assessment approach for prioritizing Danube basin-specific pollutants: a Case study in the Novi Sad region. *Polish Journal of Environmental Studies*, Volume 28: 4297- 4309

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

Petrović, M., Sremački, M., Radonić, J., Mihajlović, I., Obrovski, B., Vojinović Miloradov, M. (2018): Health risk assessment of PAHs, PCBs and OCPs in atmospheric air of municipal solid waste landfill in Novi Sad, Serbia. *Science of the Total Environment*, Volume 644: 1201-1206

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 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*, 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 Pb²⁺, Cd²⁺ and Ni²⁺ 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

Vojinović Miloradov, M., Mihajlović, I., Vyviurska, O., Cacho, F., Radonić, J., Milić, N., Spanik, I. (2014): Impact of wastewater discharges to Danube surface water pollution by emerging and priority pollutants in the vicinity of Novi Sad, Serbia. *Fresenius Environmental Bulletin*, Volume 23, No. 9: 2137-2145

Jovčić, N., Radonić, J., Turk Sekulić, M., Vojinović Miloradov, M., Popov, S. (2013): Identification of emission sources of particle-bound polycyclic aromatic hydrocarbon in the vicinity of the industrial zone of the city of Novi Sad. *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): Assessment of atmospheric distribution of polychlorinated biphenyls and polycyclic aromatic hydrocarbons using polyparameter model. 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

Projects

Producing biochar from sewage sludge to support sustainable bioresource renewal and reduce carbon emissions, Public Call for the Improvement of Cooperation Between Science and Economy in the Field of Circular Innovations – Circular Vouchers 2024, The United Nations Development Programme (2024-2025)

The Sounds of the Danube: Towards an Interdisciplinary Environmental Education (STREAM), Baden-Württemberg Foundation (2024)

REmote WAtER quality monitoRing andD IntelliGence – REWARDING, Science Fund of the Republic of Serbia, grant number 6707 (2023-2025)

Rural Environmental Monitoring via ultra wide-ARea networkS And distriButed federated Learning – REMARKABLE, HORIZON-MSCA-2021-SE-01 – Staff Exchanges programme, Grant Agreement project number 101086387 (2023-2026)

Spatio-temporal variations of the respirable particles level in the urban area of Novi Sad - mobile monitoring, modelling 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)

Role of human exposure assessment in air quality management: links between risk factors and health outcomes, LiBAir, Science Fund of the Republic of Serbia (2021)

Plastics monitoRing detectiOn RemedlaTion recovery, PRIORITY, CA COST Action CA20101 (2021-2025)

Democratia - Aqua – Technica, DAAD: Ost-West-Dialog: Hochschuldialog mit den Ländern des westlichen Balkans 2020, (2020 - 2025)

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)

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

ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry Education, NETCHEM, EAC-A04-2015, Erasmus+ (2017 – 2020)

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

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

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 – 2019)

Characterization of kinetics and influence of emerging pollutants of waste flow in graphic industry, TR34014, Ministry of Education, Science and Technological Development, Republic of Serbia (2011 – 2019)

Drinking Water Quality Risk Assessment and Prevention in Novi Sad municipality, Serbia, ESP.EAP.SFP 984087, NATO Project (2011 – 2015)

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

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-0-0002, 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)

Memberships

Serbian Chemical Society

Society of Environmental Toxicology and Chemistry (SETAC)

Citations

1,106 (Scopus, 29th May 2025)