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Field of research

Environmental research, Soil chemistry, Soil humic acids – aggregation and pollutants binding processes, Characterization of natural and engineered nanomaterials (nanoparticles) with various applications

Experimental Techniques:

Dynamic Light Scattering, Laser Doppler Electrophoresis, Isothermal Titration Calorimetry, etc.

Education

PhD Thesis: University of Belgrade, Faculty of Physical Chemistry, 1997

(Thermodynamic properties of concentrated aqueous solutions of mixed electrolytes)

MSc Thesis: University of Belgrade, Faculty of Natural Sciences and Mathematics, 1989

(Thermodynamics of adsorption of organic compounds on chemically modified silica)

BSc Thesis: University of Belgrade, Faculty of Natural Sciences and Mathematics, 1984

Research and academic titles

1989 - 1997	Research Assistant
1997 - 2014	Research Associate
2014	Senior Research Associate

Employment history

1985 - 2001	VINČA Institute of Nuclear Sciences, Chemical Dynamics Laboratory, University of Belgrade, National Institute of the Republic of Serbia
2001 - 2008	Institute of Pesticides and Environmental Protection, Belgrade
2008 until now	VINČA Institute of Nuclear Sciences, Chemical Dynamics Laboratory, University of Belgrade, National Institute of the Republic of Serbia

National projects

- 2006 - 2008 *Toxic elements and pesticides in the agricultural soil and plant products in the City of Belgrade* (financially supported by the Secretariat for Environmental Protection of the City Assembly of Belgrade) - the project leader
- 1985 until now Regular participation in basic research and technological development projects funded by the national Ministry of Science
- More recently:
2011 – 2020 *Synthesis, processing and characterization of nanostructured materials for application in the field of energy, mechanical engineering, environmental protection and biomedicine* (sub-project *Synthesis and study of inorganic oxide and natural organic nanostructured materials*) - participant
- 2020 - 2023 *Environment and Health* (financed by the Serbian Ministry of Science, Technological Development and Innovation (Grant no. 451-03-47/2023-01/ 200017), research topic: Immobilization of inorganic and organic pollutants by soil humic acids - the topic leader

Mentorship

- 2006 *Optimization of the Solid Phase Microextraction process in the determination of pesticide residues in the agricultural products* - MSc Thesis (co-mentor), Faculty of Physical Chemistry, University of Belgrade
- 2023 *Study of arsenic - soil humic acids interaction* - PhD dissertation (co-mentor), Technical Faculty in Bor, University of Belgrade

Publication and reviewing

27 articles published in the SCI journals
Member of the Editorial Board of the International Journal of Food Contamination (manuscript reviews)
Reviewing manuscripts in other international journals dealing with environmental topics