

DRAGANA MUTAVDŽIĆ PAVLOVIĆ, Scientific Personal Identification Number: 236333

Date and place of birth: June 24, 1976, Osijek (Croatia)

Affiliation: University of Zagreb, Faculty of Chemical Engineering and Technology, Croatia

Status: Associated professor, Head of Department of Analytical Chemistry

Research fields: Analytical chemistry (chromatography and sample preparation); Environmental chemistry (determination of organic pollutants (pesticides, pharmaceuticals, etc.) in environmental samples (water, soil, sediments); Sorption

Academic background:

- PhD in Natural sciences, Analytical Chemistry, University of Zagreb (2007)
- Master of Science in Natural sciences, Analytical Chemistry, University of Zagreb (2004)
- Degree in Chemical Technology, University of Zagreb (2000)

Professional experience:

- Head of Department for Analytical Chemistry (2013-present), Faculty of Chemical Engineering and Technology
- Associated professor (2013-present), Faculty of Chemical Engineering and Technology
- Assistant professor (2008–2013), Faculty of Chemical Engineering and Technology
- Scientific novice (2000–2008), Faculty of Chemical Engineering and Technology

Projects:

National projects:

- 2015-2019 Fate of pharmaceuticals in the environment and during advanced wastewater treatment (PharmaFate), project participant
- 2007-2013 Development of advanced analytical methods for pharmaceuticals determination in the environment, participant
- 2002-2007 Chemometric evaluation and optimization of separation parameters, participant
- 2001-2002 Improving the quality of pharmaceutical preparations, Technological project, participant
- 2000-2002 Organic substances in drinking water, participant

International projects:

- 2012-2016 COST ACTION ES1202: Conceiving Wastewater Treatment in 2020 - Energetic, environmental and economic challenges (Water 2020), participant (Substitute Member of the Board)
- 2012-2013 Determination of ecotoxicity and physico-chemical properties of pharmaceuticals, Bilateral project Croatia-Slovenia, participant
- 2007-2010 Reduction of environmental risks posed by pharmaceuticals and their degradation products in process wastewaters, through RO/NF membrane treatment» (REPHAD), Unity through Knowledge (UKF) project, participant
- 2007-2008 Development of chromatographic methods for proanthocyanidins determination in food and nutraceuticals, Bilateral project Croatia-Slovenia, participant
- 2004-2007 Reduction of Environmental Risks, posed by emerging contaminants, through advanced treatment of Municipal and industrial Wastes (EMCO), (INCO CT 2004-509188) FP6, participant

Publications:

HIRSCH INDEX: 9 (July 2015, Scopus and WoS)

Times cited: 433 (396 without self citation)

SCI papers: 29 (27 in CC journals);

Book chapters: 4

3 the most important publications in respectable peer-reviewed scientific journals:

1. D. Mutavdžić Pavlović, L. Ćurković, D. Blažek, J. Župan, The sorption of sulfamethazine on soil samples: Isotherms and error analysis, *Science of the total environment* **497-498**(2014)543-552. IF=3.163 (2013), Q1, Times cited=1
2. D. Mutavdžić Pavlović, T. Pinušić, M. Periša, S. Babić, Optimization of matrix solid-phase dispersion for liquid chromatography tandem mass spectrometry analysis of 12 pharmaceuticals in sediments, *Journal of Chromatography A* **1258**(2012)1-15. IF=4.612, Q1, Times cited=8
3. D. Mutavdžić Pavlović, S. Babić, A.J.M. Horvat, M. Kaštelan-Macan, Sample preparation in analysis of pharmaceuticals, *TRAC-Trends in Analytical Chemistry* 26 (11)(2007) 1062-1075. IF = 3.841, Q1, Times cited=61