

MIRA PETROVIĆ

Date and place of birth: January 19, 1965, Sarajevo (Bosnia and Herzegovina)

Affiliation: Catalan Institute for Water Research (ICRA), Girona, Spain

Status: Senior researcher (research professor ICREA- Catalan Institution for Research and Advanced Studies)

Research fields: Analytical Chemistry; Environmental Chemistry; Fate and behaviour of pollutants; Sustainable water management

Academic background:

- PhD in Chemistry, University of Zagreb, (1995)
- Master of Science in Environmental Chemistry, University of Zagreb, (1991)
- Degree in Chemical Engineering, University of Zagreb, (1988)

Professional experience:

- ICREA Research Professor at ICRA - Water Quality (2011-Present).
- ICREA Research Professor. CSIC - IDAEA (Institut de Diagnosi Ambiental i Estudis de l'Aigua) - (2005-2011).
- Contract Ramon y Cajal. CSIC-IIQAB (Institut de Quimica Ambiental de Barcelona) - (2003-2005).
- Postdoctoral fellowship. CSIC-IIQAB - (1999-2003).
- Assistant professor. UNIZG (University of Zagreb) - Faculty of Chemical Engineering and Technology - Analytical Chemistry (1999-1999).
- Doctoral fellow, Research and Teaching Assistant, University of Zagreb - Faculty of Chemical Engineering and Technology - Analytical Chemistry (1989-1998).

Projects:

She has participated in 15 EU and 13 national (Spanish) projects. The ones most relevant for this application are TreatREC (H2020 MCS ITN, 1,2 M€) dealing with the future challenges of wastewater treatment, (M. Petrovic is the coordinator); AQUATERRA (FP6 integrated project, CT-505428-2004) where she was responsible for sub-project MONITOR (3 WPs, 6 partners, >600.000 €) dealing with the monitoring of organic contaminants in 5 European river basins.; SCARCE (integrated Spanish project, total budget >4 M€) where she is the leader of a WP dealing with the chemical quality (monitoring of organic emerging contaminants) in Iberian rivers. She was the project manager of FP6 INCO project EMCO [INCO CT 2004-509188] dealing with the reduction of environmental risks, posed by Emerging Contaminants, through advanced treatment of municipal and industrial wastes in Western Balkan Countries. She participated as the leader of Spanish partner in FP7 Marie Curie Initial Training Network (ITN) CSI-Environment – Isotope forensics meets biogeochemistry linking sources and sinks of organic contaminants by compound specific isotope investigation where her main task was related with the study of biotic and abiotic transformation of emerging contaminants in the environment.

Publications:

HIRSCH INDEX: 47 (Sept 2014, Web of Science)

Times cited: 5823 (Without self-citations)

SCI papers: 151; **Books:** (1 co-author), 8 (Editor); **Book chapters:** 32

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

1. M. Gros, M. Petrović, D. Barceló, Development of a multi-residue analytical methodology based on liquid chromatography-tandem mass spectrometry (LC-MS/MS) for screening and trace level determination of pharmaceuticals in surface and wastewaters, *Talanta* **70**(2006)678-690. IF=3.498, Q1, Times cited=298
2. J. Radjenovic, M. Petrovic, D. Barceló, Fate and distribution of pharmaceuticals in wastewater and sewage sludge of the conventional activated sludge (CAS) and advanced membrane bioreactor (MBR) treatment, *Water Research* **43**(2009) 831-841. IF=4.355, Q1, Times cited=215
3. M. Petrovic, D. Barcelo, Determination of anionic and nonionic surfactants, their degradation products, and endocrine-disrupting compounds in sewage sludge by liquid chromatography/mass spectrometry, *Analytical Chemistry* **72**(2000)4560-4567. IF=5.695, Q1, Times cited=146