

MIRTA ZRNČIĆ, Scientific Personal Identification Number: 313972

Date and place of birth: 28th December 1982., Zagreb, Croatia

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

Status: Posdoctorand

Research fields: Analytical Chemistry; Sample preparation; Liquid chromatography;
Mass spectrometry; Environmental Chemistry; Photocatalytical
degradation of pharmaceuticals; Fate and behaviour of pollutants

Academic background:

- PhD in Chemistry, University of Zagreb, (2013)
- Degree in Chemical Engineering, University of Zagreb, (2007)

Professional experience:

- Postdoctorand at Faculty of Chemical Engineering and Technology, University of Zagreb (2014 – present)
- Scientific novice at Faculty of Chemical Engineering and Technology, University of Zagreb (2009 – 2014)
- Analyst at Quality Control in Pliva Hrvatska d.o.o., (2007 – 2009)

Training:

July – October 2011 - Catalan Institute for Water Research (ICRA), Girona, Spain

Projects:

National projects:

2015-2019 Fate of pharmaceuticals in the environment and during advanced
wastewater treatment (PharmaFate), project participant
2007–2013 Croatian nomenclature in analytical chemistry, participant

International projects:

2012–2013 Determination of toxicity and physico-chemical properties of
pharmaceuticals, Bilateral project Croatia-Slovenia

Publications:

HIRSCH INDEX: 2 (July 2015, Scopus)

Times cited: 37 (July 2015, Scopus)

CC papers: 5

Publications in respectable peer-reviewed scientific journals

1. S. Babić*, M. Zrnčić, D. Ljubas, L. Ćurković, I. Škorić, Photolytic and photocatalytic degradation of sulfamethazine in aqueous solution catalyzed by TiO₂ thin film, *Environmental Science and Pollution Research*, accepted, IF(2014)=2,828; Q1
2. M. Zrnčić, M. Gros, S. Babić, M. Kaštelan-Macan, D. Barcelo, M. Petrović, Analysis of anthelmintics in surface water by ultra high performance liquid chromatography coupled to quadrupole linear ion trap tandem mass spectrometry, *Chemosphere* **99**(2014)224-232. IF=3,340; Q1, Times cited=3
3. S. Babić, D. Mutavdžić Pavlović, D. Ašperger, M. Periša, M. Zrnčić, A. J. M. Horvat, M. Kaštelan-Macan, Determination of multi-class pharmaceuticals in wastewater by liquid chromatography-tandem mass spectrometry (LC-MS-MS), *Analytical and Bioanalytical Chemistry* **398**(2010)1185-1194. IF=3,841; Q1, Times cited=34