SANDRA BABIĆ, Scientific Personal Identification Number: 224150

Date and place of birth: January 30, 1970, Osijek (Croatia)
Affiliation: University of Zagreb, Faculty of Chemical Engineering and Technology, Croatia
Status: Full professor

Research fields: Analytical chemistry; Environmental chemistry; Fate of pharmaceuticals in the environment and during advanced wastewater treatment, identification of degradation products, elucidation of degradation pathways

Academic background:

- PhD in Chemistry, University of Zagreb, (2003).
- Master of Science in Analytical Chemistry, University of Zagreb, (1998).
- Degree in Chemical Technology, University of Zagreb, (1995).

Professional experience:

- Head of doctoral study programme Chemical Engineering and Applied Chemistry (2014-present)
- Head of Department of Analytical Chemistry (2009-2011)
- Head of doctoral study programme Engineering Chemistry (2008-2014)
- Vice-dean for international cooperation (2007-2009)
- Full professor (2013-present)
- Associated professor (2009-2013)
- Assistant professor (2004-2009)
- Doctoral fellow, Research and Teaching Assistant (1995-2009)

All at University of Zagreb, Faculty of Chemical Engineering and Technology

Projects:

National projects:

2015-2019 Fate of pharmaceuticals in the environment and during advanced wastewater treatment (PharmaFate), leader
2007–2013 Development of advanced analytical methods for determination of pharmaceuticals in the environment, leader
2002–2007 Chemometric optimization and evaluation of separation parameters, participant
1999–2000 Organic matter in drinking water, participant

International projects:

2012–2013 Determination of toxicity 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) UKF project, participant
2007–2008 Development of chromatographic methods for proanthocyanidins determination in food and nutraceuticals, bilateral project Croatia-Slovenia, leader
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:

H-index: 12 (July 2015, Scopus)
Times cited: 668 (591 without self-citations, July 2015, Scopus)
SCI papers: 50 (44 in CC journals)
Book chapters: 7

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

1. S. Babić*, M. Periša, I. Škorić, Photolytic degradation of norfloxacin, enrofloxacin and ciprofloxacin in various aqueous media, *Chemosphere* **91**(2013)1635-1642. IF=3,499; Q1, Times cited=21
2. 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
3. S. Babić*, A.J.M. Horvat, D. Mutavdžić Pavlović, M. Kaštelan-Macan, Determination of p*K*a values of active pharmaceutical ingredients, *TrAC-Trends in Analytical Chemistry* **26**(2007)1043-1061 IF=5,827; Q1, Times cited=120