

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 field: 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 (all at Faculty of Chemical Engineering and Technology):

- Vice-dean for international cooperation (2007-2009)
- Head of doctoral study programme Chemical Engineering and Applied Chemistry (2014-2017), Head of doctoral study programme Engineering Chemistry (2008-2014)
- Head of Department of Analytical Chemistry (2009-2011)
- Full professor (since 2013)
- Associated professor (2009-2013)
- Assistant professor (2004-2009)
- Doctoral fellow, Research and Teaching Assistant (1995-2004)

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:

SCI papers: 60 (56 in CC journals)

Book chapters: 7

h-index: 16 (May 2018, Scopus)

Times cited: 1206 (1084 without self-citations, May 2018, Scopus)

Full list of publications: <https://bib.irb.hr/lista-radova?autor=224150&lang=EN>

Supervision:

- 2 post-doctoral students
- 5 PhD theses (+3 ongoing)
- 18 MSc theses
- 23 BSc theses

Teaching activities:

Undergraduate courses:

2011/2012 - Analytical chemistry 2, mandatory course

since 2005 - Chemical analysis of materials, mandatory course

since 2006 - Modern analytical techniques in environmental analysis, mandatory course

Graduate courses:

since 2009 - Quality management, mandatory course

since 2009 - Advanced separation techniques in environmental chemistry, optional course

Postgraduate doctoral courses:

2006/2007 - Liquid chromatography, mandatory course

since 2004 - Chromatographic methods in environmental protection, optional course

since 2011 - Chemical analysis in quality system, mandatory course

All in the area of analytical chemistry and all at University of Zagreb, Faculty of Chemical Engineering and Technology