

## **CURRICULUM VITAE**

### **CONTACT INFORMATION**

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### **PERSONAL**

Date of birth: 23-June-1983 (Varaždin, Croatia)  
Citizenship: Croatian  
Married; mother of two children

### **EMPLOYMENT AND PRESENT POSITION**

2018 - Professional advisor  
Laboratory for Physical Chemistry of Traces  
Division for Marine and Environmental Research  
Ruder Boskovic Institute, Zagreb, Croatia

2012 -2018 Higher research assistant  
Laboratory for Physical Chemistry of Traces  
Division for Marine and Environmental Research  
Ruder Boskovic Institute, Zagreb, Croatia

2006 - 2012 Research assistant  
Laboratory for Physical Chemistry of Traces  
Division for Marine and Environmental Research  
Ruder Boskovic Institute, Zagreb, Croatia

### **EDUCATION**

2006 - 2011 Ph.D. in Chemistry, University of Zagreb, Zagreb  
2001 - 2005 B.Sc. in Chemistry, University of Zagreb, Zagreb  
1997 - 2001 High-school education in Varaždin, Croatia

Ph.D. Thesis: "Voltammetry of iron(III) complexes with organic ligands involved in natural processes", Mentor: Marina Mlakar, Ph.D.

B.Sc. Thesis: "Voltammetric determination of metal complexing capacity in model solutions and natural waters", Mentor: Dario Omanović, Ph.D.

### **AWARDS**

2015 Annual award of Ruder Boskovic Institute for publication of scientific paper with high impact factor in 2014  
2005 Award of the Department of Chemistry (University of Zagreb) for excellent success during study

### **SCIENTIFIC AND RESEARCH INTERESTS AND ACTIVITIES**

Current research interests are mainly focused on influence of nanoparticles (especially nanoplastics) on microalgae and their exudates (Extracellular Polymeric Substances, EPS) by applying various microscopy techniques, including Atomic Force Microscopy, AFM.

Previous research interest was characterisation of the trace metals in natural water samples, as well as in model solutions applying voltammetric and UV/Vis

spectrophotometric techniques. Characterisation included determination of the metal speciation in natural waters or model aqueous solutions, determination of stability constants of the metal complexes, as well as metal complexing capacity of natural water samples. Especially was involved in investigations of Fe(III) complexes with natural organic ligands.

**TEACHING ACTIVITIES:**

2007. - 2012. Assistant in exercise education at Physical Chemistry Department at Faculty of Science, University of Zagreb, Croatia.

**ATTENDED WORKSHOPS:**

1. 2020- 2023 Several Bruker's webinars on AFM application.
2. *Marine Chemistry- Analytical methods, trace elements and organic matter in marine environment* (Norwegian Cooperation Program on Research and Higher Education with the Countries on the Western Balkans), 11.-17. November 2007., Zagreb, Croatia.
3. TAQC-WFD workshop (*Training Course on Analytical Quality Control and method validation in support to the Water Framework Directive*), 02. - 04. November 2006., Budapest, Hungary.