

Zeljko Jovanovic, PhD

R&D Scientist

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DOB 06/10/1973

ABSTRACT

Research and Development Scientist with specific focus on analytical instrumentation, analytical chemistry, biology, imaging measuring techniques, and micro-sensors; having broad chemistry, biogeochemistry, optics and medical lab work experience. Extensive experience with R&D, technical support, business development, academic research projects, development and design of experiments, and statistics. Professional, responsible and efficient with experience in project management, meeting deadlines, and working under pressure. Excellent IT skills: MS Office, ImageJ, VariCAD, SigmaPlot, Photoscape, Primer, R, Origin, CalMolli, and Profix– as well as a natural flair for quickly learning new systems.

EXPERIENCE

UIC Inc., Joliet, Illinois, USA

January 2015 – Present

Technical Director

- R&D of new analytical instruments and methods
- Project management-New generation of coulometers and different front-end units
- Managing European distribution network and obtaining new distributors (30% travel)
- Providing technical assistance and running samples for customers
- Updating documentation (service and operational manuals, SDS sheets, lab protocols, etc.)
- Organizing production of chemical reagents

Simple Laboratories, Chicago, Illinois, USA

June 2014 – January 2015

Manager-Order Entry Department

- Reorganizing Data Entry Department
- In charge of data entry, requisition checking, scanning and acquiring all relevant documents
- Coordinating work with other departments (e.g. billing, couriers, lab techs, IT, etc.)

University of Southern Denmark, Odense, Denmark

October 2010 - September 2013

PhD - Teaching Assistant

- Developed state-of-the-art method for simultaneous measurement of oxygen and sulfide concentrations
- Used novel methods (Planar and Point Optodes) for oxygen, pH, H₂S, phosphate, etc. measurements
- Designed and realized different scientific and educational projects
- Taught different Bachelor- and Master-level biology courses at the Biology Institute , with the total teaching hours amounting to 866.5 hours in three years
- Mentored students

Farbara, Bor, Serbia

February 2009 – June 2010

Lead Technologist

- Manager of paint mixing department
- In charge of paint production, sales and distribution
- Successfully managed team of five employees while achieving record sales

University of Southern Denmark, Odense, Denmark

June 2008 - December 2008

Research assistant

- Research within the European Union Project: *Thresholds of Environmental Sustainability*
- Collecting and investigating published data on nutrient enrichment in marine sediments in coastal waters worldwide in order to protect the endangered marine species
- Submitted written report which summarized collected results and suggested further possible steps

Rambøll, Odense, Denmark

February 2006 - March 2006

Researcher

- Member of a team of experts investigating impact of future stone quarry on dormice which is an endangered mouse species in that area and Denmark in general
- Investigation results facilitated suitable changes in company's projects, so dormice population would not be affected by company's production efforts in that area

Belgrade, Serbia

1998 - 2005

Tutor

- Held tutoring classes (chemistry, physics and mathematics) to high school and university students
- Helped students with subject content according to their individual strengths

EDUCATION

University of Southern Denmark, Odense, Denmark

December 2013

PhD in Biology

Major: Biogeochemistry

Title of the PhD Thesis: Small-scale spatial and temporal oxygen variability in coastal marine sediments

Interests: Benthic biogeochemistry, solute exchange, bioturbation, development and application of imaging techniques and microsensors in microbial ecology and biogeochemistry.

Major courses: Biogeochemistry, Sediment oxygen dynamics, Microsensors, Planar Optodes, Coastal ecology, Aquatic and Molecular Biology, Environmental Biology, Scientific Writing, Statistical programs: Primer and R

University of Southern Denmark, Odense, Denmark

May 2008

Master of Science in Aquatic Ecology

Major: Environmental Chemistry

Title of the Master Thesis: Changes in Soil Microbial Communities and Heavy Metal Mobility in Groundwater initiated by In Situ Chemical Oxidation of PCE with Potassium Permanganate

Relevant Courses: Environmental Biology, Soil and Groundwater pollution, Water Pollution and Treatments, Ecotoxicology

Belgrade University, Belgrade, Serbia

December 2002

Bachelor of Science in Environmental Protection

Major: Solid waste treatment

Title of the Bachelor Thesis: Characterization of the old copper mine flotation dump in the town of Bor, Serbia

Relevant Courses: Water and groundwater pollution, Water and wastewater treatments, Analytical, Organic, Physical and Electro-Chemistry, Solid waste treatment, Soil pollution, Air pollution and treatment.

ARTICLES

- **Jovanovic Z**, Larsen M, Organo Quintana C, Kristensen E, Glud RN (2014) Oxygen Dynamics and Porewater Transport in Sediments Inhabited by the Invasive Polychaete *Marenzelleria Viridis*. Marine Ecology Progress Series, Vol. 504: 181–192
- **Jovanovic Z**, Østergaard Pedersen M, Larsen M, Kristensen E, Glud RN (2015) Rhizosphere O₂ dynamics in *Zostera marina* and *Ruppia maritima* juveniles. Marine Ecology Progress Series, Vol. 518: 95–105

CONFERENCES

Attended an international conference Third Nereis Park Conference, in Sweden from 29-31 of August 2011, with the poster that won **the first prize**, entitled: Linking oxygen dynamics and porewater transport in sediments inhabited by the invasive polychaete *Marenzelleria viridis*.

SKILLS

- Languages: fluent in spoken and written English and Danish, Serbian (native language)
- Excellent communication skills
- Highly motivated team player
- Experienced in customer service
- Systematic, analytical, persistent, problem solving, and detail oriented
- Well qualified in both the theory and practice of analytical instrumentation, environmental engineering, biogeochemistry, and ecology
- Danish (EU) driving license