

## PERSONAL INFORMATION

Name and surname **Vlado Cuculić**  
Academic title PhD Science, Field of Chemistry  
Scientific position Senior scientific associate - Marine sciences  
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## POSITION

Date (from – until) 2015-  
Institution Ruđer Bošković Institute, Division for Marine and Environmental Research  
Position Senior scientific associate  
Work field Marine and environmental chemistry, electrochemistry, trace metals, mercury speciation, atomic absorption spectroscopy, iron speciation in water systems

Date (from – until) 2006-2015  
Institution Ruđer Bošković Institute, Division for Marine and Environmental Research  
Position Research associate  
Work field Marine and environmental chemistry, electrochemistry, trace metals, iron speciation in water systems

Date (from – until) 2003-2006  
Institution Ruđer Bošković Institute  
Position postdoc, senior research assistant  
Work field Marine and environmental chemistry, electrochemistry, trace metals, iron speciation in water systems

Date (from – until) 1997-2003  
Institution Ruđer Bošković Institute, Division for Marine and Environmental Research  
Position research assistant  
Work field Marine and environmental chemistry, electrochemistry, trace metals, iron speciation in water systems

## EDUCATION

Date	2003
Place	Zagreb
Institution	Ruđer Bošković Institute, Faculty of Science, University of Zagreb
Title of qualification awarded	Ph.D. Science, Field of Chemistry
Date	1997
Place	Zagreb
Institution	Ruđer Bošković Institute, Faculty of Science, University of Zagreb
Title of qualification awarded	M.Sc. Science, Oceanology
Date	1994
Place	Zagreb
Institution	Ruđer Bošković Institute, Faculty of Science, University of Zagreb
Title of qualification awarded	B.Sc. in Chemistry

## TEACHING

- 1) Interdisciplinary doctoral study in Oceanology, at Faculty of Science, Zagreb University: course „Marine chemistry“.
- 2) Interdisciplinary doctoral study in Oceanology, at Faculty of Science, Zagreb University: course „Trace elements in seawater, marine organisms and sediments“.
- 3) Interdisciplinary doctoral study in Oceanology, at Faculty of Science, Zagreb University: seminar in Stoichiometry.
- 4) Interdisciplinary doctoral study at Universities Dubrovnik, Osijek and Institute Ruđer Bošković, Molecular biosciences, Module: Marine Biology, course: "Metal ions and organic matter in natural waters".

## MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES

Council of the Interdisciplinary sciences, Ruđer Bošković Institute

Council of the doctoral study in Oceanology, Faculty of Science, University of Zagreb

Scientific Council for Adriatic Research, Croatian Academy of Sciences and Arts

Croatian Chemical Society

Croatian Society of Chemical Engineers

International commission for scientific explorations of the Mediterranean Sea (CIESM)

Management Committee in COST action ES1201 - NETLAKE - "Networking Lake Observatories in Europe"

## OTHER SCIENTIFIC ACTIVITIES

1. Deputy supervisor of the doctoral study in Oceanology, Faculty of Science, University of Zagreb
2. Member of the Organising Committee of Symposium "Fourth Day of Electrochemistry" - 2014.
3. Member of the Organising Committee of Symposium "Third Day of Electrochemistry" - 2012.
4. Reviewer for projects in COST action in the field: „2013-1-15302 Water, energy and greenhouse gas dynamics in mountain regions under global change.“
5. Reviewer for the following journals:  
Analytica Chimica Acta, Chemosphere, Croatica Chemica Acta, Electroanalysis, Environmental Engineering and Management Journal, Environmental Pollution, Environmental Science and Pollution Research, International Journal of Environmental Analytical Chemistry, Marine & Freshwater Research, Materials, Chemistry and Physics, Molecules.

### **Principal investigator:**

- 1) 2020-2024: "Marine (micro)plastic litter and pollutant metals interaction: a possible pathway from marine environment to human". Funding source: Croatian science foundation (CSF).
- 2) 2014-2015: „Study of biogeochemical processes in Mljet Island brackish lakes as possible source of drinkable and irrigation water." Funding source: The Foundation of the Croatian Academy of Sciences and Arts.
- 3) 2011-2012: "Influence of the water mass circulation on spatial and temporal distribution of ecotoxicants in Malo jezero and Veliko jezero lakes of Mljet National Park". Funding source: Mljet NP.
- 4) 2010. "Geochemistry of ecotoxic trace metals in water, air and anchialine caves of Mljet National Park". Funding source: Mljet NP.
- 5) 2009. "Geochemistry of ecotoxic trace metals in anchialine caves of Mljet National Park". Funding source: Mljet NP.
- 6) 2008. "Determination of ecotoxic trace metals in waters and sediments of Mljet National Park". Funding source: Mljet NP.
- 7) 2007. „Investigation of ecotoxic trace metals in waters, sediments and biota of Mljet National Park". Funding source: Mljet NP.
- 8) 2005-2006. „Determination of ecotoxic trace metals in waters and sediments of Mljet National Park". Funding source: Mljet NP.

### **Associate Scientist:**

- 1) 2019-2021. EU INTERREG NETwork of small "in situ" WASTE Prevention and management initiatives: Estimations of microplastic content in seawater and near shore sediments. Funding source: EU.
- 2) 2015-2019. "New methodological approach in biogeochemical studies of trace metal speciation in coastal aquatic ecosystems". Funding source: Croatian science foundation (CSF).
- 3) 2014-2018. "Appearance and interaction of biologically important organic molecules and micronutrient metals in marine ecosystem under environmental stress". Funding source: Croatian science foundation (CSF).
- 4) 2014. „Anchialine cave Vodena jama", Funding source: City of Vodice
- 5) 2014. „Anchialine cave Vodena jama na Srimi", Funding source: Šibensko-kninska county
- 6) 2014. „Determination of trace metal speciation in coastal waters: towards developing new criteria for water quality control and risk assessment." Croatia - China bilateral project.
- 7) 2014. „Biogeochemical characterization of trace ecotoxic metals in Mir marine lake of Nature park Telašćica". Funding source: "Telašćica" Nature Park.
- 8) 2012. „Determination of ecotoxic trace metals in water, sediment and biota of Mir marine lake". Funding source: "Telašćica" Nature Park.
- 9) 2011. „Determination of trace metals concentrations in waters and sediments of Republic of Croatia ". Funding source: Croatian waters.
- 10) 2007-2013. Project No. 098-0982934-2720, "Interactions of trace metal species in an aquatic environment". Funding source: Ministry of Science, Education and Sports of the Republic of Croatia.
- 11) 2011. "Hydrogeological investigations of the upper flow of Kupa River and its tributaries", Croatia-Austria bilateral project.
- 12) 2011. "Estimation of antifouling influence as a source of ecotoxic metals pollution in coastal marine environment", COGITO Croatia-France bilateral project.
- 13) 2011. Analytics of heavy metal concentrations of copper (Cu), zinc (Zn), mercury (Hg), cadmium (Cd) and lead (Pb) in sediment of Port of Šibenik. Funding source: Port of Šibenik
- 14) 2011. Investigation of anthropogenic influence (ecotoxic metals) on Brljan Lake sediment and downstream lakes. Funding source: "Krka" National Park.

- 15) 2011. Environmental status on the future beach on area of ex-electrode factory in Šibenik (TEF). Funding source: City of Šibenik.
- 16) 2010. "Preliminary investigation of ecotoxic trace metals in water and biota of "Mir" marine lake, "Telašćica" Nature Park. Funding source: "Telašćica" Nature Park.
- 17) 2006-2009. Joint educational and research project „Marine Science and Coastal Management in the Adriatic, Western Balkans, An Education and Research Network". Funding source: Norwegian Research Council.
- 18) 2009. „Ecotoxic metals load of "Mala Mlaka" water well". Funding source: City of Zagreb.
- 19) 2009. „Determination of trace metals concentrations in waters and sediments of Republic of Croatia". Funding source: Croatian waters.
- 20) 2009. „Elaborate on environmental impact of Mandalina–Kuline port of nautical tourism. Funding source: Mandalina-Kuline Port.
- 21) 2008. „Geochemistry of ecotoxic metals in "Krka" National Park". Funding source: "Krka" National Park.
- 22) 2008. „Determination of trace metals concentrations in natural waters and sediments". Funding source: Croatian waters.
- 23) 2008. „Determination of history of anthropogenic influence on Port Rijeka sediments". Funding source: Port of Rijeka.
- 24) 2007. Geochemistry of ecotoxic metals in "Krka" National Park". Funding source: "Krka" National Park.
- 25) 2007. „Ecotoxic metals in Port of Rijeka". Funding source: Port of Rijeka.
- 26) 2007. „Determination of trace metals in fresh, brackish and marine waters of Republic of Croatia". Funding source: Croatian waters.
- 27) 2007. „Ecotoxic metals in water organisms of "Plitvička Jezera" National Park". Funding source: "Plitvička Jezera" National Park.
- 28) 2006. „Ecotoxic metals in water organisms of "Plitvička Jezera" National Park". Funding source: "Plitvička Jezera" National Park.
- 29) 2006. „Geochemistry of ecotoxic metals in "Krka" National Park". Funding source: "Krka" National Park.
- 30) 2005. „Geochemistry of ecotoxic metals in "Krka" National Park". Funding source: "Krka" National Park.

Publication list:

<http://bib.irb.hr/lista-radova?autor=218842>