

Curriculum Vitae (February, 2019)

PERSONAL INFORMATION

Name and surname **Dario Omanović**
Academic title Doctor of science
Year and institution of PhD obtained 2001., Ruđer Bošković Institute
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Citizenship Croatian
Date and place of birth 15.07.1968., Bihać, Bosnia and Herzegovina
CROSBI bibliography <http://bib.irb.hr/lista-radova?autor=214643>

WORK EXPERIENCE

Date (from – until) *September 2015.-*
Institution *Ruđer Bošković Institute*
Position *Senior Scientist*
Work field *Analytics and speciation of trace elements in natural waters*
Date (from – until) *July 2009.-September 2015*
Institution *Ruđer Bošković Institute*
Position *Senior research associate*
Work field *Analytics and speciation of trace elements in natural waters*
Date (from – until) *April 2004 – July 2009*
Institution *Ruđer Bošković Institute*
Position *Research associate*
Work field *Analytics and speciation of trace elements in natural waters*
Date (from – until) *December 2001. – April 2004.*
Institution *Ruđer Bošković Institute*
Position *Assistant*
Work field *Analytics and speciation of trace elements in natural waters*
Date (from – until) *July 1993. – December 2001.*
Institution *Ruđer Bošković Institute*
Position *Assistant*
Development of analytical methods for trace metal determination

EDUCATION

Date *2001.*
Place *Zagreb*
Institution *Ruđer Bošković Institute, Faculty of chemical engineering and technology*
Title of qualification awarded *Doctor of science (chemistry)*

Date *1996.*
Place *Zagreb*
Institution *Ruđer Bošković Institute, Faculty of science*
Title of qualification awarded *Master of science (Oceanology)*

Date *1993.*
Place *Zagreb*
Institution *Faculty of chemical engineering and technology*
Title of qualification awarded *Baccalaureate in Science*

LANGUAGES

MOTHER TONGUE **Croatian**
ENGLISH LANGUAGE
Speaking **Good**
Writing **Good**
Reading **Good**

RESEARCH AND OTHER PROJECTS

- 2018-2020: MedPAN project: NaTEF – Nautical Tourism Ecological Footprint in MPAs (PI)
- 2018-2020: Chinese/Croatian project: The speciation of trace metals in seawater at phase boundaries - implementation of advanced methodologies (PI)
- 2017-2019: HRZZ project: "ReHOHMem - Direct reuse of municipal wastewater for agriculture irrigation with membrane technologies" (Collaborator)
- 2015-2019: HRZZ project: "New methodological approach to biogeochemical studies of trace metal speciation in coastal aquatic ecosystems" (PI)
- 2016-2019: Croatian Water Agency/IZOR-Split: Monitoring of transitional and coastal waters of the Adriatic Sea (Collaborator)
- 2016-2017: Chinese/Croatian project: Comparison study on submarine groundwater discharge and its impacts on the eco-environments between Changjiang and Krka River estuaries – High human activity vs. low human activity (Collaborator)
- 2014-2015: Chinese/Croatian bilateral project: Determination of trace metal speciation in coastal waters: towards developing new criteria for water quality control and risk assessment (Collaborator)
- 2014-2015: Croatian Water Agency/IZOR-Split: Monitoring of transitional and coastal waters of the Adriatic Sea (Collaborator/Partner)
- 2014-2015: COMECOM/MERMEX - Metal contaminants in Mediterranean Coastal Environment (Partner)
- 2012-2013: French DGA agency: Study of electrochemical methods for the detection of trace metals in seawater (Partner)
- 2011-2012: COGITO (FRA-CRO) project: An impact of antifouling paints as a source of contamination by ecotoxic metals in the coastal marine environment (CRO PI)
- 2010-2012: Gold microwire: a new tool for trace metal speciation in natural waters (Royal Society of Chemistry) (CRO PI)
- 2007-2011: "Interactions of trace metal species in an aquatic environment", Croatian governmental project (Collaborator)
- 2008-2009: PHC ECONET (France, Croatia, B&H): Direct determination of arsenic species in natural ecosystems by electrochemistry and modelling of its speciation (CRO PI)
- 2006-2009: „Marine Science and Coastal Management in the Adriatic, Western Balkan, An Educational and Research Network“, Norwegian science foundation, (Collaborator)
- 2005-2007: „Ecotoxic trace metals in aquatic organisms of Plitvice Lakes National Park“ – NP PL (PI)
- 2005-2008: „MONALISA-Matiere Organique Naturelle en Milieu Sale“. Groupement de Recherche. Multipartitna suradnja s Universite de Toulon et du Var, Universite Aix-Marseille III, Universite de Bordeaux I, i IFREMER-a., Universite de Toulon et du Var, Universite Aix-Marseille III, Universite de Bordeaux I, and IFREMER-a, (Collaborator)
- 2003-2005: "Environmental sono-electroanalysis: Manganese speciation and determination". Institute "Ruđer Bošković" and Oxford University, Physical and theoretical chemistry laboratory. (Collaborator)
- 1993-1996: "Electroanalytical instrumentation development for physico-chemical characterisations of trace metals in the marine environment." EUREKA project EU-493 EUROMAR – ELANI. (Collaborator)
- 1998-2000: „Development and application of methods for trace metals speciation“, Croatian governmental project (PI)

Numerous research-commercial projects

TEACHING

- Doctoral study of Engineer Chemistry at Faculty of Chemical Engineering and Technology: "Electrochemical determination and speciation of trace elements in aquatic systems: from modelling to in-situ measurements"
- Graduate study at Faculty of Chemical Engineering and Technology: „The basics of electroanalytical chemistry“
- Doctoral study of Chemistry - Analytical chemistry at Faculty of Science: „Environmental electrochemistry“
- Interdisciplinary doctoral study in Oceanology, at Faculty of Science: „Analysis of trace elements in marine environment“

MENTORSHIPS AND TRAINING OF YOUNG RESEARCHERS AND SCIENTISTS

- 2015: Dissertation: Ana-Marija Cindrić. „Distribution, speciation and fate of trace metals in the stratified Krka River estuary“, University of Zagreb, faculty of Science, Doctoral study in Oceanology. Supervisors: Omanović, Dario; Garnier, Cedric.
- 2008: Dissertation: Louis, Yoann. „Mise au point d’ une systématique de caractérisation des interactions Matière Organique Naturelle Dissoute (MOND) – Contaminants métalliques“, Université du Sud Toulon – Var, France. Supervisors: Omanović, Dario ; Mounier, Stephane.
- 2017: Diploma thesis: Saša Marcinek. “Characterization of trace metal – organic ligands interaction by UV/Vis spectrophotometry”, Faculty of Chemical engineering and technology, University of Zagreb.
- 2005: Diploma thesis: Cmok, Petra. „Voltammetric determination of metal complexing capacity determination in model solutions and natural waters“ Zagreb, Faculty of Science, University of Zagreb.

VISITS TO FOREIGN RESEARCH AND EDUCATION INSTITUTIONS

Visiting professor - Laboratoire des PROcessus de Transferts et d'Echanges dans l'Environnement (PROTEE), Université de Toulon, France, (2 or 4 weeks: 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017)

Training/research visits: Institut für Chemie 4, Kernforschungsanlage, Jülich, Germany (in 1993, 1994, 1995)

AWARDS AND RECOGNITIONS

1993. University award for the best student research work, University of Zagreb

ORGANIZATIONAL SKILLS AND COMPETENCES

- 2015: Member of organizing committee of: An Open Workshop and Symposium organized by SCOR WG 139 (*Organic Ligands - A Key Control of Trace Metal Biogeochemistry in the Oceans*), Šibenik, 07-11.04.2015.
- 2012: Member of organizing committee of: COST 801 Action workshop: “Voltammetry and GEOTRACES”, Šibenik, 06-09.10.2012.
- 2008: Member of organizing committee of: „First Regional Symposium on Electrochemistry of South-East Europe“, Crveni Otok, Rovinj, 4.-8. May 2008.
- 2005: Member of scientific committee „Krka river and National park Krka“, Šibenik, 5.-8. October 2005.

MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES

Croatian Society of Chemical Engineers (CSCE)

International Commission for the Scientific Exploration of the Mediterranean Sea (CIESM)

- 2015-2019: COST Action TD1407: Network on technology-critical elements - from environmental processes to human health threats, member
- 2013-2015: COST Action ES1201, Networking Lake Observatories in Europe (NETLAKE), member
- 2014-2016: COST Action ES1302, European Network on Ecological Functions of Trace Metals in Anaerobic Biotechnologies, member

COMPUTER SKILLS

computer programming – development of software and algorithms for treatment of electrochemical signals; automation of electroanalytical measurements, development of equipment for measurement automation

Author of several programs for data treatment and processing: <https://sites.google.com/site/daromasoft/>

ADDITIONAL INFORMATION AND NOTES (Reviewer for journals and organisations)

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|---|---|
| 1. Environmental Science and Technology (EST) | 20. Estuaries and Coasts |
| 2. Scientific Reports (NPG) | 21. Environmental Monitoring and Assessment |
| 3. Nanoscale | 22. Environmental Science and Pollution Research |
| 4. Earth-Science Reviews | 23. Environmental Science: Processes & Impacts |
| 5. Electrochemistry Communications | 24. Estuarine, Coastal and Shelf Science |
| 6. Environmental Pollution | 25. Environmental Monitoring and Assessment |
| 7. Analytica Chimica Acta | 26. Open Journal of Marine Science |
| 8. Talanta | 27. International Biodeterioration & Biodegradation (IBB) |
| 9. Colloid and Interface Science Communications | 28. International Journal of Environm. Analytical Chemistry |
| 10. Marine Chemistry | 29. Collection of Czechoslovak Chemical Communications |
| 11. Environmental Chemistry | 30. Current Bioinformatics |
| 12. Science of the Total Environment | 31. Sustainability |
| 13. Chemosphere | 32. Croatica Chemica Acta |
| 14. Water Research | 33. IEEE Sensors Journal |
| 15. Deep Sea Research 1 | 34. Acta Botanica Croatica |

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| 16. Plos ONE | 35. Natura Croatica |
| 17. Frontiers in Marine Science | 36. Chilean National Science and Technology Commission |
| 18. Journal of Geophysical Research – Oceans | |
| 19. Geostandards and Geoanalytical Research | |

PAPERS

List of Publications

Citations: [1160 \(Scopus\)](#); [1103 \(WoS\)](#); [1522 \(Google Scholar\)](#)

H-index: [21 \(Scopus\)](#); [20 \(WoS\)](#), [25 \(Google Scholar\)](#)

Peer-review papers (CC/SCI):

57. Paul K., Dilip; Meng, Kejie; **Omanović, Dario**; Alvarez, Julio C., Hydrogen Bonding and Proton Transfer in Aqueous Toluene Microdroplets Studied by Particle Collision Electrochemistry, *ChemElectroChem*, 5 (2018) 1–7.
56. Troni, Naser; Hoti, Ramiz.; **Omanovic, Dario**; Hashani, Ismet; Halili, Jeton, Quality estimation and chemical Characterisation of water resources of Lepenci river by DPASV, *Journal of Environmental Protection and Ecology*, 19(2) (2018) 490–498.
55. Cotte, Laura; **Omanović, Dario**; Waeles, Matthieu; Laës, A.; Cathalot, C.; Sarradin, P.M. and Riso, Ricardo. On the nature of dissolved copper ligands in the early buoyant plume of hydrothermal vents. *Environmental Chemistry* 15 (2018) 58-73
54. Huy Dang, Duc; Evans, R. Douglas; Wang, Wei; **Omanović, Dario**; El Houssainy, Amonda; Lenoble, Véronique; Mullot, Jean-Ulrich; Mounier, Stéphane; Garnier, Cédric. Uranium isotope geochemistry in modern coastal sediments: insights from Toulon Bay, France. *Chemical geology*. 481 (2018) 133-145.
53. Cindrić, Ana-Marija; Cukrov, Neven; Durrieu, Gaël; Garnier, Cédric; Pižeta, Ivanka; **Omanović, Dario**. Evaluation of discrete and passive sampling (Diffusive Gradient in Thin films - DGT) approach for the assessment of trace metal dynamics in marine waters – a case study in a small harbor, *Croatia Chemica Acta*, 90 (2017) 177-185.
52. Orlović-Leko, Palma; **Omanović, Dario**; Ciglencečki, Irena; Vidović, Kristijan; Brenko, Tomislav. Application of electrochemical methods in the physico-chemical characterization of atmospheric precipitation. *Bulgarian Chemical Communication*. 49 (2017) 211-217.
51. Branica, Gina; Mladinić, Marin; **Omanović, Dario**; Želježić, Davor. An alternative approach to studying the effects of ZnO nanoparticles in cultured human lymphocytes: Combining electrochemistry and genotoxicity tests. *Archives of Industrial Hygiene and Toxicology*, 67 (2016) 277-288.
50. Su, Han; Yang, Rujun; Pižeta, Ivanka; **Omanović, Dario**; Wang, Shirong; Li, Yan. Distribution and speciation of dissolved iron in Jiaozhou Bay (Yellow Sea, China), *Front. Mar. Sci. - Marine Biogeochemistry*, 3 (2016) 1-17
49. **Omanović, Dario**; Garnier, Cédric; Kristoff Gibbon-Walsh; Pižeta Ivanka. Electroanalysis in environmental monitoring: tracking trace metals - a mini review. *Electrochemistry Communications*, 61 (2015) 78–83.
48. Jović, Ozren; **Omanović, Dario**; Zelić, Marina; Pižeta Ivanka. Center of gravity (COG) method as a tool in processing of voltammetric signals. *Electroanalysis*, 27 (2015) 2347–2356.
47. Cindrić, Ana-Marija; Garnier, Cédric; Oursel, Benjamin; Pižeta, Ivanka; **Omanović, Dario**. Evidencing the natural and anthropogenic processes controlling trace metals dynamic in a highly stratified estuary: the Krka River estuary (Adriatic, Croatia). *Marine pollution bulletin*. 94 (2015) 199-216.
46. Dang, Duc Huy; Lenoble, Véronique; Durrieu, Gaël; **Omanović, Dario**; Mullot, Jean-Ulrich; Mounier, Stéphane; Garnier, Cédric. Seasonal variations of coastal sedimentary trace metals cycling: insight on the effect of manganese and iron (oxy)hydroxides, sulphide and organic matter. *Marine pollution bulletin*. 92 (2015) 113-124.
45. **Omanović, Dario**; Garnier, Cédric; Pižeta, Ivanka. ProMCC: an all-in-one tool for trace metal complexation studies. *Marine chemistry*. 173 (2015) 25-39.
44. Pižeta, Ivanka; Sander, Sylvia; Hudson, Robert; **Omanović, Dario**; Baars, Oliver; Barbeau, Katherine; Buck, Kristen; Bundy, Randelle; Carrasco, Gonzalo; Croot, Peter; Garnier, Cédric; Gerringa, Loes; Gledhill, Martha; Hirose, Katsumi; Kondo, Yoshiko; Laglera, Luis; Nuester, Jochen; Rijkenberg, Micha; Takeda, Shigenobu; Twining, Benjamin; Wells, Mona. Quantitative analysis of complexometric titration data: An intercomparison of methods for estimating models of metal complexation by mixtures of natural ligands. *Marine chemistry*. 173 (2015) 3-24.
43. **Omanović, Dario**; Pižeta, Ivanka; Vukosav, Petra; Kovács, Elza; Frančičković-Bilinski, Stanislav; Tamás, János. Assessing element distribution and speciation in a stream at abandoned Pb–Zn mining site by combining classical, in-situ DGT and modelling approaches. *Science of the total environment*. 511 (2015) 423-434.
42. Tschulik, Kristina; Cheng, Wei; Batchelor- McAuley, Christopher; Murphy, Stuart; **Omanović, Dario**; Compton, Richard. Non-Invasive Probing of Nanoparticle Electrostatics. *ChemElectroChem*. 2 (2015) 112-118.

41. Oursel, Benjamin; Garnier, Cédric; Zebracki, Mathilde; Durrieu, Gaël; Pairaud, Ivane; **Omanović, Dario**; Cossa, Daniel; Lucas, Yves. Flood inputs in a Mediterranean coastal zone impacted by a large urban area: dynamic and fate of trace metals. *Marine chemistry*. 167 (2014) 44-56.
40. Cobelo-Garcia, Antonio; Santos-Echeandia, Juan; Lopez-Sanchez, Daniel; Almecija, Clara; **Omanović, Dario**. Improving the voltammetric quantification of ill-defined peaks using second derivative signal transformation: example of the determination of platinum in water and sediments. *Analytical Chemistry*. 86 (2014) 2308-2313.
39. Dang, Huy D; Tessier, Erwan; Lenoble, Véronique; Durrieu, Gaël; **Omanović, Dario**; Mullot, Jean-Ulrich; Pfeifer, Hans-Rudolf; Mounier, Stéphane; Garnier, Cédric. Evidencing the key parameters controlling arsenic dynamics in coastal sediments, an analytical and modeling approach. *Marine Chemistry*. 161 (2014) 34-46.
38. Vukosav, Petra; Mlakar, Marina; Cukrov, Neven; Kwokal, Željko; Pižeta, Ivanka; Pavlus, Natalija; Špoljarić, Ivanka; Vurnek, Maja; Brozičević, Andrijana; **Omanović, Dario**. Heavy metal contents in water, sediment and fish in a karst aquatic ecosystem of the Plitvice Lakes National Park (Croatia). *Environmental science and pollution research*. 21 (2014) 3826-3839.
37. Oursel, Benjamin; Garnier, Cédric; Pairaud, Ivane; **Omanović, Dario**; Durrieu, Gaël; Syakti, Agung Dhamar; Le Poupon, Christophe; Thouvenin, Bénédicte; Lucas, Yves. Behaviour and fate of urban particles in coastal waters: settling rate, size distribution and metals contamination characterization. *Estuarine, coastal and shelf science*. 138 (2014) 14-26.
36. Ellison, Joanna; Tschulik, Kristina; Stuart, Emma J E; Jurkschat, Kerstin; **Omanović, Dario**; Uhlemann, Margitta; Crossley, Alison; Compton, Richard G. Get more out of your data – a new approach to agglomeration and aggregation studies using nanoparticle impact experiments. *ChemistryOpen*. 2 (2013) 69-75.
35. Lees, Jessica; Ellison, Joanna; Batchelor-McAuley, Christopher; Tschulik, Kristina; Damm, Christine; **Omanović, Dario**; Compton, Richard. Nanoparticle Impacts Show High-Ionic-Strength Citrate Avoids Aggregation of Silver Nanoparticles. *ChemPhysChem*. 14 (2013) 3895-3897.
34. Tschulik, Kristina; Haddou, Baptiste; **Omanović, Dario**; Rees Neil V.; Compton, Richard G. Coulometric sizing of nanoparticles-Cathodic and anodic impact experiments open two independent routes to electrochemical sizing of Fe₃O₄ nanoparticles. *Nano Research*. 6 (2013) 836-841.
33. Stuart, Emma E.; Tschulik, Kristina; **Omanović, Dario**; Cullen, Jay T.; Jurkschat, Kerstin; Crossley, Alison; Compton, Richard G. Electrochemical detection of commercial silver nanoparticles: identification, sizing and detection in environmental media. *Nanotechnology*. 24 (2013) 444002-444008.
32. Contreira-Pereira, Leonardo; Yücel, Mustafa; Brulport, Jean-Pierre; **Omanović, Dario**; Le Bris, Nadine. Compact autonomous voltammetric sensor for sulphide monitoring in deep sea vent habitats. *Deep-sea research. Part 1. Oceanographic research papers*. 80 (2013); 47-57.
31. Zelić, Marina; **Omanović, Dario**; Pižeta, Ivanka; Jagnjić, Željko, Symmetry and shape of voltammetric signals in the light of time-series classification based on qualitative space fragmentation. *Journal of Electroanalytical Chemistry*. 701 (2013) 43-49.
30. Superville, Pierre-Jean; Pižeta, Ivanka; **Omanović, Dario**; Billon, Gabriel. Identification and on line monitoring of reduced sulphur species (RSS) by voltammetry in oxic waters. *Talanta*. 112 (2013) 55-62.
29. Oursel, Benjamin; Garnier, Cédric; Durrieu, Gaël; Mounier, Stéphane; **Omanović, Dario**; Lucas, Yves. Dynamic and fate of trace metals chronic input in a Mediterranean coastal zone impacted by a large urban area. *Marine pollution bulletin*. 1-2 (2013) 137-149.
28. Lenoble, Veronique; **Omanović, Dario**; Garnier, Cedric; Mounier, Stephane; Đonlagić, Nusreta; Le Poupon, Christophe; Pižeta, Ivanka. Distribution and chemical speciation of arsenic and heavy metals in highly contaminated waters used for health care purposes (Srebrenica, Bosnia and Herzegovina). *Science of the total environment*. 443 (2013) 420-428.
27. Cukrov, Neven; Tepić, Nataša; **Omanović, Dario**; Lojen, Sonja; Bura-Nakić, Elvira; Vojvodić, Vjeročka; Pižeta, Ivanka. Qualitative interpretation of physico-chemical and isotopic parameters in the Krka River (Croatia) assessed by multivariate statistical analysis. *International Journal of Environmental Analytical Chemistry*. 92 (2012) 1187-1199.
26. Kovács, Elza; Tamás, János; Frančišković-Bilinski, Stanislav; **Omanović, Dario**; Bilinski, Halka; Pižeta, Ivanka. Geochemical study of surface water and sediment at the abandoned Pb-Zn mining site at Gyöngyösorszi, Hungary. *Fresenius environmental bulletin*. 21 (2012) 1212-1218.
25. Superville, Pierre-Jean; Louis, Yoann; Billon, Gabriel; Prygiel, Jean; **Omanović, Dario**; Pižeta, Ivanka. An adaptable automatic trace metal monitoring system for on line measuring in natural waters. *Talanta*. 87 (2011) 85-92.
24. **Omanović, Dario**; Garnier, Cédric; Louis, Yoann; Lenoble, Véronique; Mounier, Stéphane; Pižeta, Ivanka. Significance of data treatment and experimental setup on the determination of copper complexing parameters

- by anodic stripping voltammetry. *Analytica chimica acta*. 664 (2010) 136-143.
23. Louis, Yoann; Garnier, Cédric; Lenoble, Véronique; Mounier, Stéphane; Cukrov, Neven; **Omanović, Dario**; Pižeta, Ivanka. Kinetic and equilibrium studies of copper-dissolved organic matter complexation in water column of the stratified Krka River estuary (Croatia). *Marine chemistry*. 114 (2009) 110-119.
 22. Louis, Yoann; Garnier, Cedric; Lenoble, Veronique; **Omanović, Dario**; Mounier, Stephane; Pižeta, Ivanka. Characterisation and modelling of marine dissolved organic matter interactions with major and trace cations. *Marine Environmental Research*. 67 (2009) 100-107.
 21. Plavšić, Marta; Kwokal, Željko; Strmečki, Slađana; Peharec, Željko; **Omanović, Dario**; Branica, Marko. Determination of the copper complexing ligands in the Krka river estuary. *Fresenius Environmental Bulletin*. 18 (2009) 327-334.
 20. Cukrov, Neven; Cmuk, Petra; Mlakar, Marina; **Omanović, Dario**. Spatial distribution of trace metals in the Krka River, Croatia. An example of the self-purification. *Chemosphere*. 72 (2008) 1559-1566.
 19. Louis, Yoann; Cmuk, Petra; **Omanović, Dario**; Garnier, Cédric; Lenoble, Véronique; Mounier, Stéphane; Pižeta, Ivanka. Speciation of trace metals in natural waters: The influence of an adsorbed layer of natural organic matter (NOM) on voltammetric behaviour of copper. *Analytica Chimica Acta*. 606 (2008) 37-44.
 18. Nicolau, Rudy; Louis, Yoann; **Omanović, Dario**; Garnier, Cédric; Mounier, Stéphane; Pižeta, Ivanka. Study of interactions of concentrated marine dissolved organic matter with copper and zinc by pseudopolarography. *Analytica Chimica Acta*. 618 (2008) 35-42.
 17. Metikoš-Huković, Mirjana; Pilić, Zora; Babić, Ranko; **Omanović, Dario**. Influence of Alloying Elements on the Corrosion Stability of CoCrMo Implant Alloy in Hank's Solution. *Acta Biomaterialia*. 2 (2006) 693-700.
 16. **Omanović, Dario**; Kwokal, Željko; Goodwin, Alexander; Lawrence, Andrew; Banks, Craig; Compton, Richard; Komorsky-Lovrić, Šebojka. Trace Metal Detection in Šibenik Bay, Croatia: Cadmium, Lead and Copper with Anodic Stripping Voltammetry and Manganese via Sonoelectrochemistry. A Case Study. *Journal of the Iranian Chemical Society*. 3 (2006) 128-139.
 15. Branica, Gina; Metikoš-Huković, Mirjana; **Omanović, Dario**. Voltammetric determination of stability constants of lead complexes with C-vitamin. *Croatica Chemica acta*. 79 (2006) 77-83.
 14. **Omanović, Dario**. Pseudopolarography of trace metals. Part III. Determination of stability constants of labile metal complexes. *Croatica Chemica acta*. 79 (2006) 67-76.
 13. Goodwin, Alexander; Lawrence, Andrew; Banks, Craig; Wantz, Frédéric; **Omanović, Dario**; Komorsky-Lovrić, Šebojka; Compton, Richard. On-site monitoring of trace levels of free manganese in sea water via sono-electroanalysis using a boron-doped diamond electrode. *Analytica chimica acta*. 533 (2005) 141-145.
 12. Hellberg, Dirk; Scholz, Fritz; Schubert, Frank; Lovrić, Milivoj; **Omanović, Dario**; Hernández, Víctor Agmo; Thede, Richard. The kinetics of liposome adhesion on a mercury electrode. *The journal of physical chemistry. B, Condensed matter, materials, surfaces, interfaces & biophysical*. 109 (2005) 14715-14726.
 11. Pižeta, Ivanka; Billon, Gabriel; **Omanović, Dario**; Cuculić, Vlado; Garnier, Cédric; Fischer, Jean-Claude. Pseudopolarography of lead (II) in sediment and in interstitial water measured with a solid microelectrode. *Analytica chimica acta*. 551 (2005) 65-72.
 10. **Omanović, Dario**; Branica, Marko. Pseudopolarography of trace metals. Part 2. The comparison of the reversible, quasireversible and irreversible chemical reactions. *Journal of Electroanalytical Chemistry*. 565 (2004) 37-48.
 9. **Omanović, Dario**; Lovrić, Milivoj. A simulation of an anion-induced adsorption of metal ions in pseudopolarography using a thin mercury film covered rotating disk electrode. *Electroanalysis*. 16 (2004) 563-571.
 8. **Omanović, Dario**; Branica, Marko. Pseudopolarography of trace metals. Part 1. The automatic ASV measurements of reversible electrode reactions. *Journal of Electroanalytical Chemistry*. 543 (2003) 83-92.
 7. Branica, Gina; Paulić, Nevenka; Grgas, Branka; **Omanović, Dario**. Complexation of copper(II) with L-alanine and its N-alkyl derivatives. *Chemical speciation and bioavailability*. 11 (1999.) 125-134.
 6. Pižeta, Ivanka; **Omanović, Dario**; Branica, Marko. The influence of data treatment on the interpretation of experimental results in voltammetry. *Analytica chimica acta*. 401 (1999) 163-172.
 5. **Omanović, Dario**; Branica, Marko. Automation of voltammetric measurements by polarographic analyser PAR 384B. *Croatica Chemica Acta*. 71 (1998) 421-433.
 4. **Omanović, Dario**; Peharec, Željko; Pižeta, Ivanka; Brug, Gertjan; Branica, Marko. A new mercury drop electrode for trace metal analysis. *Analytica Chimica Acta*. 339 (1997) 147-153.
 3. **Omanović, Dario**; Pižeta, Ivanka; Peharec, Željko; Branica, Marko. Voltammetric determination of the metal complexing capacity in the model solution. *Marine Chemistry*. 53 (1996) 121-129.

2. Pižeta, Ivanka; **Omanović, Dario**; Branica, Marko. Application of thallium(I) as an internal standard redox process in voltammetric measurements. *Analytica Chimica Acta*. 331 (1996) 125-130.
1. **Omanović, Dario**; Peharec, Željko; Magjer, Tomislav; Lovrić, Milivoj; Branica, Marko. Wall-jet electrode system for anodic stripping voltammetry. *Electroanalysis*. 6 (1994) 1029-1033.

Other peer-reviewed scientific papers

7. Troni, Naser; **Omanović, Dario**; Gashi, Fatbardh; Hoti, Ramiz; Hashani, Ismet. Quality Water Assessment of Morava E Binçes River and Dobercan Resource (Kosovo) By Multi Elementary Analyses ICPMS and ICP/OES, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 9(3) (2018) 347-357.
6. Kovács, Elza; **Omanović, Dario**; Pižeta, Ivanka; Bilinski, Halka; Frančičković-Bilinski, Stanislav; Tamás, János. Chemical water quality changes along a stream at an abandoned Pb-Zn mining site. *European Chemical Bulletin*. 1 (2013) 11-14.
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