Curriculum Vitae (June, 2020)

PERSONAL INFORMATION

Name and surname	**Dario Omanović**
Academic title	Doctor of science
PhD obtained	2001., Ruđer Bošković Institute
Address	Bijenička 54
Phone	+385 1 4680 231
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E-mail	omanovic@irb.hr
Personal web page	http://www.irb.hr/eng/People/Dario-Omanovic/
Citizenship	Croatian
Date and place of birth	15.07.1968., Bihać, Bosnia and Herzegovina
Bibliography	https://www.scopus.com/authid/detail.uri?authorId=6602357434

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

2020-2022: Partnership between scientists and fisherman - a network of town Ploče: Assessment of the physico-chemical and biological quality status of the fishery zone (Partner)

2020-2022: Croatian Water Agency: Monitoring of transitional and coastal waters of the Adriatic Sea (Partner)

2020-2022: ADRION project: SEAVIEWS - Sector Adaptive Virtual Early Warning System for marine pollution (Partner)

2020-2020: INTERREG CRO-ITA: Protecting the Enclosed Parts of the Sea in Adriatic from pollution (PEPSEA), Testing of pilot location and development of risk models and plans for cases of sudden sea pollution - Kaštela Bay. (Collaborator)

2020-2020: INTERREG CRO-ITA: Protecting the Enclosed Parts of the Sea in Adriatic from pollution (PEPSEA), Testing of pilot location and development of risk models and plans for cases of sudden sea pollution - Sali, Dugi otok (Collaborator)

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 it speciation (CRO PI)

2006-2009: „Marine Science and Coastal Management in the Adriatic, Western Balkan, An Educational and Reserch 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)

Collaborator on numerous commercial-research projects

TEACHING

- 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: PhD thesis: 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: PhD thesis: Louis, Yoann. „Mise au point d' une systématique de caractérisation des interactions Matiè re Organique Naturelle Dissoute (MOND) – Contaminants métalliques“, Université du Sud Toulon – Var, France. Supervisors: Omanović, Dario ; Mounier, Stephane.

2017: MSc 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: Cmuk, Petra. „Voltammetric determination of metal complexing capacity determination in model solutions and natural waters“ Zagreb, Faculty of Science, University of Zagreb.

2019: Master Internship: Arnud Chapoulie, Application of Cu(II) ion-Selective electrode (Cu-ISE) for Cu speciation in coastal waters, ENSICAEN, Caen, France: Supervisor

HDR or PhD thesis jury/reporter

2019. PhD thesis: Rebecca Zitoun, "Copper speciation in different marine ecosystems around New Zealand". University of Otago, New Zealand. Role: External examiner

2018. PhD thesis: Mirela Sadiković, Novel electrochemical methods in analysis of selected drugs using carbon nanotubes-based sensors, Faculty of pharmacy and biochemistry, University of Zagreb, Role: member of defense jury

2016. PhD thesis: Marija Marguš, Development of electroanalytical methods for detection and characterization of metal sulphide and sulphur nanoparticles in aquatic Environment, Faculty of Science, University of Zagreb, Role: member of defense jury

2015. PhD thesis: Marino Korlević, In-depth analysis of the Adriatic Sea bacterial diversity, Faculty of Science, University of Zagreb, Role: member of defense jury

2014. PhD thesis: Huy Duc Dang, Sedimentary dynamics and transfer mechanisms of metals/metalloids within a contaminated ecosystem: Toulon bay, University of Toulon, Role: reporter

2010. HDR degree: Cedric Garnier, Role de la matiere organique sur la speciation et le transfert des metaux dans l'environnement: outils analytiques et modelisation, Role: reporter

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, 2018, 2019)

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

2020: Review Editor for: *Frontiers in Environmental Chemistry - Environmental Analytical Methods*

2020: Guest Editor of *Archives of Environmental Contamination and Toxicology* (AECT) special issue: "*Environmental Fate and Effects of Technology Critical Elements*"

2020: Guest Editor of *Environmental Chemistry* special issue on related to Technology-Critical Elements (TCE)

2019: Final Meeting, COST Action TD1407: Network on technology-critical elements - from environmental processes to human health threats, Zagreb, 2-4. April. 2019.

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)

1. Environmental Science and Technology (EST)
2. Scientific Reports (NPG)
3. Nanoscale
4. Earth-Science Reviews
5. Electrochemistry Communications
6. Environmental Pollution
7. Analytica Chimica Acta
8. Talanta
9. Science of the Total Environment
10. Chemosphere
11. Water Research
12. Journal of Electroanalytical Chemistry
13. Colloid and Interface Science Communications
14. Marine Chemistry
15. Environmental Chemistry
16. Deep Sea Research 1
17. Plos ONE
18. Frontiers in Marine Science
19. Limnology and Oceanography
20. Journal of Geophysical Research – Oceans
21. Geostandards and Geoanalytical Research
22. Estuaries and Coasts
23. Environmental Monitoring and Assessment
24. Environmental Science and Pollution Research
25. Environmental Science: Processes & Impacts
26. Estuarine, Coastal and Shelf Science
27. Open Journal of Marine Science
28. Archives of Environ. Contamination and Toxicology
29. Sensors
30. International Biodeterioration & Biodegradation (IBB)
31. International Journal of Environm. Analytical Chemistry
32. Collection of Czechoslovak Chemical Communications
33. Current Bioinformatics
34. Sustainability
35. Croatica Chemica Acta
36. IEEE Sensors Journal
37. Acta Botanica Croatica
38. Natura Croatica
39. Chilean National Science and Technology Commission

PAPERS

List of Publications

Citations: 1389 (Scopus); 1354 (WoS); 1802 (Google Scholar)
H-index: 23 (Scopus); 23 (WoS), 26 (Google Scholar)

Peer-review papers (CC/SCI):

71. Saša Marcinek, Chiara Santinelli, Ana-Marija Cindrić, Valtere Evangelista, Margherita Gonnelli, Nicolas Layglon, Stéphane Mounier, Véronique Lenoble and **Dario Omanović**. Dissolved organic matter dynamics in the pristine Krka River estuary (Croatia), *Marine Chemistry*, under R1 review

70 . Tea Mišić Radić, Andrea Čačković, Abra Penezić, Jelena Dautović, Jovica Lončar, **Dario Omanović**, Krunoslav Juraić, Zrinka Ljubešić. Physiological and morphological response of marine diatom Cylindrotheca closterium (Bacillariophyceae) exposed to cadmium, *European Journal of Phycology*, doi:10.1080/09670262.2020.1758347.

69. Jacopo Aguzzi, Neven Iveša, Martina Gelli, Corrado Costa, Ana Gavrilović, Neven Cukrov, Marijana Cukrov, Nuša Cukrov, **Dario Omanović**, Mauro Štifanić, Simone Marini, Marins Piria, Ernesto Azzurro, Emanuela Fanelli, Roberto Danovaro, Ecological video monitoring of Marine Protected Areas by underwater cabled surveillance cameras, *Marine Policy*, 119 (2020) 104052.

68. Nicolas Layglon, Benjamin Misson, Gaël Durrieu, Clément Coclet, Sébastien D'Onofrio, Huy Duc Dang, David François, Jean-Ulrich Mullot, Stéphane Mounier, Véronique Lenoble, **Dario Omanović**, Cédric Garnier. Long-term monitoring emphasizes impacts of the dredging on dissolved Cu and Pb contamination along with ultraplankton distribution and structure in Toulon Bay (NW Mediterranean Sea, France), *Marine Pollution Bulletin*, 156 (2020) 111196.

67. Amonda El Houssainy, Carine Abi-Ghanem, Duc Huy Dang, Céline Mahfouz, **Dario Omanović**, Gaby Khalaf, Stéphane Mounier, Distribution and diagenesis of trace metals in marine sediments of a coastal Mediterranean area: St-Georges Bay (Lebanon), *Marine Pollution Bulletin*, 155, (2020) 111066.

66. Ana-Marija Cindrić, Saša Marcinek; Cédric Garnier, Pascal Salaun, Neven Cukrov, Benjamin Oursel, Véronique Lenoble, **Dario Omanović**. Evaluation of Diffusive Gradients in Thin films (DGT) technique for speciation of trace metals in estuarine waters - a multimethodological approach, *Science of the Total Environment*, 721 (2020) 137784.

65. Palma Orlović-Leko, Kristijan Vidović, Irena Ciglenečki, **Dario Omanović**, Ivan Šimunić, Mathieu Dutour Sikirić. Physico-Chemical Characterization of an Urban Rainwater (Zagreb, Croatia), *Atmosphere*, 11(2) (2020) 144.

64. Nuša Cukrov, Nezli Doumandji, Cédric Garnier, Ivana Tucaković, Huy Duc Dang, **Dario Omanović**, Neven Cukrov. Anthropogenic mercury contamination in sediments of Krka River estuary (Croatia), *Environmental Science and Pollution Research*, 27 (2020) 7628–7638.

63. Jasmin Pađan, Saša Marcinek, Ana-Marija Cindrić, Nicolas Layglon, Cédric Garnier, Pascal Salaün, Antonio Cobelo-García, **Dario Omanović**, Determination of sub-pico-molar levels of platinum in the pristine Krka River estuary (Croatia) using improved voltammetric methodology. *Environmental Chemistry*,17 (2020) 77-84.

62. Nicolas Layglon, Benjamin Misson, Stéphane Mounier, Véronique Lenoble, **Dario Omanović**, Cédric Garnier. Have decades of abiotic studies in sediments been misinterpreted? *Science of the Total Environment*, 707 (2020) 135949

61. Huy Duc Dang, Nicolas Layglon, Nicolas Ferretto, **Dario Omanović**, Jean Urlich Mullot, Véronique Lenoble, Stéphane Mounier, Cédric Garnier. Kinetic processes of copper and lead remobilization during sediment resuspension of marine polluted sediments, *Science of the Total Environment*, 698 (2020) 134120

60. Jasmin Pađan, Saša Marcinek, Ana-Marija Cindrić, Nicolas Layglon, Véronique Lenoble, Pascal Salaün, Cédric Garnier, **Dario Omanović**, Improved voltammetric methodology for chromium redox speciation in estuarine waters. *Analytica Chimica Acta*, 1089 (2019) 40-47.

59. **Dario Omanović**, Chiara Santinelli, Saša Marcinek, Margherita Gonnelli. ASFit - An all-inclusive tool for analysis of UV–Vis spectra of colored dissolved organic matter (CDOM), Computers & Geosciences 133 (2019) 104334

58. Clément Coclet, Cédric Garnier, Gaël Durrieu, **Dario Omanović**, Sébastien D'Onofrio, Christophe Le Poupon, Jean-Ulrich Mullot, Jean-François Briand, Benjamin Misson, Changes in bacterioplankton communities resulting from direct and indirect interactions with trace metal gradients in an urbanized marine coastal area. *Frontiers in Microbiology*, 10 (2019) 1–14.

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. Naser Troni, Ramiz Hoti, **Dario Omanović,** Ismet Hashani, Jeton Halili, 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. Laura Cotte, **Dario Omanović,** Matthieu Waeles, A. Laës, C. Cathalot, P.M. Sarradin, and Ricardo Riso. 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, *Croatica Chemica Acta*, 90 (2017) 177-185.

52. Orlović-Leko, Palma; **Omanović, Dario**; Ciglenečki, 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; Frančišković-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; Brozinčević, 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 Fe_3O_4 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 Gyöngyösoroszi, 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.
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