

Personal information

Name and surname Zrinka Ljubešić
Place and date of birth Zagreb, 24. 3. 1975.
Nationality Hrvatsko
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Academic title Dr. sc.
Current employment position Associate Professor
University of Zagreb, Faculty of Science, Department of Biology
Web page <https://www.pmf.unizg.hr/biol/zrinka.ljubestic>

WORK EXPERIENCE

2017- to date Associate professor, Department of Biology, Faculty of Science, University of Zagreb
2009-2017 Assistant professor, Department of Biology, Faculty of Science, University of Zagreb
2008-2009 Senior teaching and research assistant, Department of Biology, Faculty of Science, University of Zagreb
2004 – 2008 Teaching and research assistant, Department of Biology, Faculty of Science, University of Zagreb
1998 - 2004 Younger Teaching and research assistant Department of Biology, Faculty of Science, University of Zagreb

EDUCATION

2007 PhD in Biology, Thesis: "Spatial distribution of phytoplankton in the Jabuka Pit", supervisor: prof. dr. sc. D. Viličić
2004 Enrolled in Doctoral Study of Biology (Ecology) at Faculty of Science, University of Zagreb
2003 Master degree in Biology, Master thesis title: Spatial and temporal distribution of phytoplankton in highly stratified estuary (Zrmanja, Adriatic Sea), supervisor: prof. dr. sc. D. Viličić
1998 Enrolled in Master Study of Biology (Ecology) at Faculty of Science, University of Zagreb
1997 Bachelor degree in Biology (ecology), Thesis title: Peryphiton community suscesion in the stream Veliki potok Medvednica", supervisor: prof. dr. sc. A. Plenковиć-Moraj
1992 Enrolled in Undergraduate program of Biology (ecology) at Faculty of Science, University of Zagreb
1992 Graduated high school
1988-1992 V gymnasia, Zagreb
1986-1988 Humbolt Gymnasium, Heidelberg, Germany
1980-1986 Grammar school, Zagreb

TRAINING

2014 February University of Uppsala, Geocentrum, Sweden
2008 April workshop: "Advanced Phytoplankton Taxonomy Course", Stazione Zoologica "Anton Dohrn", Neaples, Italy
2007 April-May

- University of Southern California, part of the PhD studies, under supervisor of prof. dr. sc. Burton Jones (Grant: „For women in Science“)
- 2005 February- June
National Oceanography Centre Southampton, Southampton, UK, part of the PhD studies under supervision of prof. dr. sc. Eric Achterberg. (Grant: „British Scholarship Trust“)
- 2004 November workshop: “The Role of Flow Cytometry in Marine Biodiversity and Ecosystem Functioning”, Raffaella Casotti & Glen Tarran, Stazione Zoologica “Anton Dohrn”, Napulj, Italija
- 2004 May workshop: “Phytoplankton culturing techniques course”, Dr. R. Andersen i Dr. M. Sieracki, Bigelow Laboratory for Ocean Sciences, Maine, USA

EXPEDITIONS

- 2017 January/February
RV Falkor (North Pacific Ocean, Grant: Schmidt Ocean Institution: „Sea to Space Particle Investigation“), PI: dr. sc. Ivona Cetinić
- 2015 February; 2016 February/March
RV Naše more (South Adriatic, HRZZ, UIP-2013-11-6433 “Bio-tracing Adriatic Water Masses), PI: dr. sc. Zrinka Ljubešić
- 2013 February; July
RV Hidra (Middle Adriatic, Research Council of Norway (FRIMEDBIO project 197823), the Royal Swedish Academy of Sciences, Knut and Alice Wal-lenberg Foundation (KAW 2009.0287)), PI: dr. sc. Jorijntje Henderiks
- 2003 May/June
RV Knorr (Adriatic Sea, Grant: The U.S. Office of Naval Research (ONR) N00014-02-1-0064: "Adriatic Circulation E Adriatic xperiment: Mesoscale Dynamics and Response to Strong Atmospheric Forcing"), PI: dr. sc. Craig Lee

RESEARCH GRANTS

CURRENT PROJECTS

Associate on international projects

- 2016 – to date COST action: OC-2015-2-20179 Developing new genetic tools for bio assessment of aquatic ecosystems in Europe (DNAqua-Net), PI: dr. sc. Florian Leese

GRANTS

Principal investigator

- 2014 – 2017 Installation project “Bio-tracing Adriatic water masses (BIOTA)“ UIP-2013-11-6433, Croatian Science Foundation, 943.960,00 kn
- 2017 University of Zagreb research support 2017 „Calibration of automatic image analyses of phytoplankton with classical methods of microscopy“, 43.190,81 kn
- 2011 - 2012 „Phytoplankton diversity in relation to environmental conditions in PP Telašćica“, 70.000,00 kn

Associate on international projects

- 2015 – 2019 COST action: ESSEM COST Action ES1408 European network for algal-bio products (EUALGAE), PI: dr. sc. Christina Gonzales
- 2017 „Sea to Space Particle investigation“, PI: dr. Ivona Cetinić
- 2006 - 2010 “Marine science and coastal management in the Adriatic region, Western Balkans. An educational and research network.”, PI: dr. Paul Wassman
- 2003 "Adriatic Circulation Experiment: Mesoscale Dynamics and Response to Strong Atmospheric Forcing", PI: dr. Craig Lee
- 2003 – 2005 “The Croatian and Norwegian coastal zone: ecosystem dynamics and environmental challenges“, PI: dr. Paul Wassman

Associate on projects of Ministry of Science, Education and Sport

- 2007-2013 MZOŠ – 119-1191189-1228 „ Structure and development of microalgae in trophic gradient,, PI: prof. dr. sc. Damir Viličić
- 2001-2006 MZOŠ - 0119144 “Struktura i razvoj zajednica mikroalga u krškom estuariju”, PI: prof. dr. sc. Damir Viličić
- 1998-2013 Hrvatske Vlade “Systematic research of the Adriatic Sea as a base for sustainable development of the Republic of Croatia””, voditelj Nenad Smodlaka
- 1998-2001 MZT 119121 „ Organisms and communities on the on contact between karstic waters and the sea “, PI: prof. dr. sc. Damir Viličić.

Associate on other projects

- 2018 University of Zagreb, Support 2018 “Investigation of epibiont association on loggerhead sea turtle *Caretta Caretta*”, 60.000,00 kn, PI: prof. dr. sc. Sunčica Bosak
- 2016 NP Krka: „Phytoplankton indicator species as biological indicator species of water quality in NP Krka”, 153.100,00 kn, PI: prof. dr. sc. Marija Gligora Udovič
- 2015 University of Zagreb, Support 2015 „The impact of climate changes to the coralline communities in Adriatic Sea“, 31.000,00 kn, PI: prof. dr. sc. Petar Kružić

PUBLICATIONS

1. Edited books: 2
2. Book Chapter: 2
3. Peer-review publications: **60** (39 in Q1, Q2 and Q3 ranked journals)
First or corresponding author of 10 papers
Citations – 535, h-indeks 12 (Web of Science)
559, h-indeks 14 (Scopus)
681, h-indeks 14 Google Scholar
5. Other publication: 7

CONFERENCESS

1. Participation on 41 international conferences with 17 oral and 49 poster presentations
2. Participation on 19 national conferences with 13 oral and 17 poster presentations

INVITED LECTURES

- 2018 – “Morphology, physiology and phylogeny of the newly isolated *Picochlorum* sp strain from Adriatic Sea” AMBIOMERES project workshop, Institute Ruđer Bošković

- 2017 - „From microscopes to telescopes“, Department of Geophysics, PMF, University of Zagreb
- „Adriatic Sea and phytoplankton“ Fenoliga, Medulin
- 2016 - “Bio-tracing Adriatic Water Masses” seminar, GEOMAR, Kiel, Germany
- “Expedition Nessie II” Croatian Botanical Society, PMF, University of Zagreb
- 2015 - „Search for microbes- valid indicators of state and change in a ecosystem of Adriatic Sea
“Croatian Academy of Arts and Crafts, Zagreb
- “Bio-tracing Adriatic Water Masses” Croatian Biological Society, PMF, University of Zagreb
- “Expedition Nessie” Croatian Botanical Society, PMF, University of Zagreb
- 2013 - “Bio indicators in modern research of the Adriatic” Croatian Academy of Arts and Crafts, Zagreb
- “Phytoplankton – source of the life on Earth”, Croatian Botanical Society, PMF, University of Zagreb
- 2012 - “Phytoplankton diversity in the Adriatic Sea”, Croatian Biological Society, PMF, University of Zagreb

Reviewer

Journal of Marine Systems, Continental Shelf Research, Biogeosciences, Botanica Serbica, Fottea, Oceanologia, Diatom Research, Ecological Indicators, Acta Botanica Croatica, Journal of Phycology, Nova Hedwigia, Molecules, Acta Botanica, Fresenius Bulletin, Estuarine, Coastal and Shelf Science

COMMISSIONS, COMMITTEES, BOARDS AND WORK GROUPS

- 2019 -Chair of the 7th European Phycological Congress
-Organisation Committee member „Ocean Optics XXV “, Norfolk, 2020
-Scientific Committee member of the “6. Croatian Botanical Symposium”
- 2018 -Leader of doctoral study Biology, Faculty of Science, University of Zagreb
-President elect of the Federation of European Phycological Societies
-Scientific Committee member “13. Croatian Biological Congress”
-Organisation Committee member „Ocean Optics XXIV “, Dubrovnik, 2018
- 2016 -Chair of the 5th Croatian Botanical Symposium
- 2015 – to date member of FEPS council (Federation of European Phycological Societies)
- 2015 -Scientific Committee member “10th Central European Diatom Meeting”
-Scientific and Organisation Committee member 6 Balkan Botanical Congress
-Scientific Committee member “12. Croatian Biological Congress”
- 2014 -Chair of the 8th Central European Diatom Meeting
- 2013 Scientific Committee member “4th Croatian Botanical Symposium”
- 2012 –to date Board member - of Scientific Council for Adriatic Research, Croatian Academy for Sciences and Arts

MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES

Croatian Botanical Society, International Society for Diatom research, Croatian Biological Society
1885

ORGANISATION SKILLS AND COMPETENCE

- 2019 Chair of the 7. European Phycology Congress
- 2018 -Chair of the Workshop “Molecular methods in algology”, Croatian Botanical Society

- Organisation of the exhibition "Beauty in detail, structure and transformation: Adriatic Coccolithophores" at Academy of fine arts, University of Zagreb, at Natural history museum Dubrovnik, and Aquarium Dubrovnik
- 2017 -Workshop "Developing diatom indices", COST action (DNAqua-Net), Zagreb
-Chair of the 5th Croatian Botanical Symposium
- 2015 -Chair of the round table: „Bio indicators of the state and change in the Adriatic Sea”, Croatian Academy of Science and Arts, Zagreb
-Co -chair of the 6 Balkan Botanical Congress
- 2015,2016 – Chief scientist, RV Naše more (South Adriatic, HRZZ, UIP-2013-11-6433 "Bio-tracing Adriatic Water Masses)
- 2015 – 2018 president of Croatian Botanical Society
- 2014 -Chair of the 8th Central European Diatom Meeting
- 2014 – to date Organisation of field trips for students
- 2013 - organization of two fieldtrips in middle Adriatic (investigation of coccolithophores in nutrient gradient). Collaboration with University of Uppsala and University of Oslo
- 2013 – to date Head of Phycological section of Croatian Botanical Society

EDITORIAL BOARDS

- 2015 Guest editor Acta Botanica Croatica
2012- to date Section editor Acta Botanica Croatica
2010-to date Natura Croatica, Editorial board member

TEACHING

MENTORSHIP OF DEFENDED DOCTORAL AND MASTER DISSERTATIONS AND TRAINING OF YOUNG RESEARCHERS AND SCIENTISTS

PhD students

- 2018 Maja Mucko

Master students

- 2018 Hrvoje Višić, Medić Nikola, Barbara Čolić, Andrea Čačković
2017 Tamara Rukavina
2016 Nina Verčević, Mirta Vugrin
2014 Maja Mejdandžić, Nikola Malešević
2013 Marta Sušek, Tina Nenadović, Doroteja Polović
2012 Luka Šupraha, Magdalena Jambrek
2005 Jelena Godrijan

Bachelor students

- 2017 Zlatka Plavec, Iva Šunić, Petra Stić
2012 Maja Mejdandžić, Marina Linardić
2011 Doroteja Polović
2010 Ivana Pozojević

Courses - leader

Postgraduate study: Ecology and taxonomy of marine phytoplankton, Photosynthetic processes in the oceans, Marine molecular ecology, Marine Biology, Marine phytoplankton, Marine microbial ecology

Graduate study: Protist ecology

Undergraduate study: Protists, Biological oceanography, Field work

AWARDS

2007 „For women in Science” national Fellow

LANGUAGES

English, German