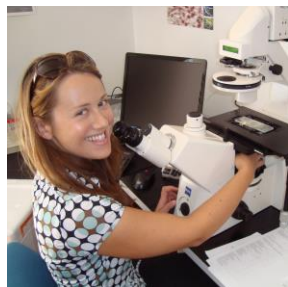


Contact Information



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Education

PhD in Oceanology/2009-2015 University of Zagreb, Croatia. PhD Thesis title: Importance, biodiversity and dynamics of coccolithophores in the coastal area of the north-eastern Adriatic Sea.

BSc in Biology-ecology/2000-2005 University of Zagreb, Croatia. Diploma Thesis title: Nanophytoplankton of the Rogoznica Lake.

Work experience

Post doc/2015 (ongoing) Laboratory for marine and atmospheric biogeochemistry, Division for Marine and Environmental Research, Ruđer Bošković Institute, Zagreb, Croatia.

PhD candidate/2009-2015 Laboratory for processes in the marine ecosystem, Centre for Marine Research, Ruđer Bošković Institute, Rovinj, Croatia.

Phytoplankton analyst/2006-2009 Laboratory for processes in the marine ecosystem, Centre for Marine Research, Ruđer Bošković Institute, Rovinj, Croatia.

Specialisation and training

2017/1 week: The role of microalgae biotechnology in blue & green economy, University of Cádiz, Spain

2017/3 months: Training phytoplankton culturing in wastewater, anaerobic digestion, and analysis of produced biogas, funded by COST Action ES1408 EUALGAE STSM project: "Wastewater treatment and biogas production: a comparison of green algae and diatoms", Imdea Energy, Madrid, Spain

2015/5 weeks: "Microbial Oceanography: Genomes to Biomes", **C-MORE**, Honolulu, Hawaii

2014/3 weeks: Training in bar-coding principles, funded by a SYNTHESYS project, host: Regine Jahn, Botanic Garden and Botanical Museum, Freie Universität Berlin, Germany

2014/1 week: INA Workshop on Extant Coccolithophores research, Heraklion, Greece

2013/2 weeks: Training in environmental SEM, funded by Croatian-German bilateral project, host: Regine Jahn, Botanic Garden and Botanical Museum, Freie Universität Berlin, Germany

2013/2 weeks: "Ramon Margalef summer colloquia: Physical-Biological ocean interactions: from the micro to the large scale" workshop, Barcelona, Spain

2012/2 weeks: Training in nanoplankton cell culturing and single cell PCR, funded by short term fellowship. hosts: Colomaban de Vargas, Ian Probert. Station Biologique de Roscoff, Roscoff, France

2012/2 weeks: Training in RNA extraction and Microarrays for the detection of Toxic Algae, funded by short term fellowship, host: Linda Medlin, Observatoire Océanologique de Banyuls sur Mer, France

2010/2 weeks: Training in SEM and crossed polarized LM, coccolithophore taxonomy, funded by a SYNTHESYS project, host: Jeremy Young, Natural History Museum, London, UK

2009/2 weeks: Taxonomy of Recent Dinophyceae by Malte Elbrächter, Wattenmeerstation Sylt of the Alfred Wegener Institut für Polar- und Meeresforschung Sylt, Germany

2008/2 weeks: International Graduate School of Conservation Biology organized by Croatian Biological Society at the Centre for Marine Research, Ruđer Bošković Institute, Rovinj, Croatia

2007/2 weeks: Marine Science and Coastal Management in the Adriatic, Western Balkan, an Educational and Research Network 2006-2009 Course 3: Marine Chemistry – Analytical methods, trace elements and organic matter in marine environment, Zagreb, Croatia

2007/6 weeks Marie Curie Actions-Series of events under the FP6 Mobility program, organizer: Norwegian University of Science and Technology. Postgraduate School of Industrial Ecology. Courses: (i) Industrial Ecology, (ii) Life Cycle Assessment, and (iii) Value Chain Modelling.

Grants

2017/ Funding for **Short Term Scientific Mission** “Wastewater treatment and biogas production: a comparison of green algae and diatoms” as a part of **EU funded COST Action** ES1408 European network for algal-bioproducts (EUALGAE)

2015/ Funding from the Agouron Institute, the National Science Foundation (NSF), SOEST, and **C-MORE** for attending the “**Microbial Oceanography: Genomes to Biomes**” summer course

2014/ “Bar-coding marine diatoms: towards high throughput/resolution monitoring of marine phytoplankton.” **Grant No. DE-TAF-4090 - SYNTHESYS** Synthesis of systematic resources (European Community Research Infrastructure Action under the FP7 “Capacities” Program)

2012/ **French Embassy and RBI short term fellowship**, visits to Observatoire Océanologique de Banyuls sur Mer (Laboratory of microbial oceanography) and The Station Biologique de Roscoff (Plancton Océanique Group)

2010/ “Coccolithophorids in the Northern Adriatic Sea.” **Grant No. GB-TAF-132 – SYNTHESYS** Synthesis of systematic resources (European Community Research Infrastructure Action under the FP7 “Capacities” Program)

2009/ **Student Bursary** from The British Phycological Society, for attending “Taxonomy of Recent Dinophyceae” workshop

Scientific and specialized projects

Associate/2017 “Assessment of Adriatic algae potential in co-generation production of 3rd generation biofuel” Croatian science foundation”. Croatian science foundation

Management Committee Substitute/2016-2020 “Ocean Governance for Sustainability - challenges, options and the role of science.” EU funded COST Action - CA15217

Consultant/2014-2018 “Appearance and interaction of biologically important organic molecules and micronutrient metals in marine ecosystem under environmental stress (AMBIOMERES).” Croatian science foundation

Associate/2014-2015 “Bio-tracing Adriatic water masses (BIOTA).” Croatian science foundation

Associate/2012-2013 “Providing Access to the Phytoplankton Biodiversity of the Northern Adriatic Sea: Taxonomy, Systematics, Genetics, Ecology and Open Access Data Management.” Croatian-German bilateral project

PhD candidate/2009-2012 “Mechanism of long-term changes in the Adriatic Sea ecosystem.” Ministry of Science, Education and Sports - Project code 098-0982705-2731

Associate/2008-2009 “Implementation of the Water Quality Monitoring in the Western Istrian Coastal Sea (Northern Adriatic) (WICOS).” INTERREG - EU fund - IPA

Associate/2007-2008 “Coastal Cities Pollution Control Project.” World Bank

Associate/2007-2008 “Realization of an Integrated Monitoring System of the Quality of the Adriatic Sea, with Particular Regard to Eutrophication and Mucilage Phenomena (REQUISITE)” EU fund -IPA

Associate/2006-2011 Croatian national monitoring program “Systematic study of the Adriatic Sea as a basis for sustainable development of the Republic of Croatia”

Skills and competences

RV experience: 300 days aboard, 10 days longest cruise, basic oceanographic methods, collecting samples for different analysis of phytoplankton community (primary production, fluorometric measurements of chlorophyll *a*, HPLC pigments, microscopy and genomics)

Laboratory techniques: Isolation and culturing of phytoplankton, identification and enumeration of phytoplankton in light, epifluorescent, polarized and electron microscopy, flow cytometry, molecular techniques (DNA extraction, PCR based methods), thin layer chromatography for lipid analysis, high-temperature catalytic oxidation for DOC and POC determination, gas chromatography.

Software: Grapher, Surfer, ODV, Chemtax, FlowJo, Primer, Canoco, Statistica, SyStat, Galaxy.

Organization of conferences and workshops

8th **Central European Diatom Meeting** held at University of Zagreb, Croatia, 10-13 April 2014. – Member of the organizing committee.

MARELITT Regional Workshop, for pilot project: Removal of marine litter from Europe’s four regional seas, Rovinj, Croatia, 30-31 October 2014. Member of the organizing committee.

“**Biodiversity**” **workshop** within a bilateral DAAD project “Providing Access to the Phytoplankton Biodiversity of the Northern Adriatic Sea”. Rovinj, Croatia 20 September-6 October 2012. Member of the organizing committee.

2nd **Workshop** of the World Bank funded project **Coastal Cities Pollution Control Project** “Collection and data processing” Rovinj, Croatia from, 25-30 May 2008. Member of the organizing committee.

Chapman Conference on Long Time-Series Observations in Coastal Ecosystems: Comparative Analyses of Phytoplankton Dynamics on Regional to Global Scales - Rovinj, Croatia, 8-12 October 2007. Member of technical support team.

9th **Croatian Biological Congress** with international participation, Rovinj, Croatia, 23-29 September 2006. Member of technical support team.

Reviewer

Ocean & Coastal Management, Journal of Marine Biology & Oceanography, Chinese Journal of Oceanology and Limnology, Phycologia, Hydrobiologia

Membership in professional organizations

Association for the Sciences of Limnology and Oceanography

Phycological Society of America – past member

The International Nannoplankton Association– past member

British Phycological Society– past member

Published:

1. Polović, Pfannkuchen, Babić, Mejdandžić, Mihanović, Marić Pfannkuchen, **Godrijan**, Peharec Štefanić, Olujić, Ljubešić. 2017. Multigene phylogeny and morphology of newly isolated strain of *Pseudo-nitzschia mannii* Amato & Montresor (Adriatic Sea). *Diatom Res*, 32:127-131.
2. Bosak, **Godrijan**, Šilović. 2016. Dynamics of the marine planktonic diatom family Chaetocerotaceae in a Mediterranean coastal zone. *Estuar Coast Shelf Sci*, 180:69-81.
3. Ivančić, Pfannkuchen, **Godrijan**, Djakovac, Marić Pfannkuchen, Korlević, Gašparović, Najdek. 2016. Alkaline phosphatase activity related to phosphorus stress of microphytoplankton in different trophic conditions. *Prog Oceanogr*, 146:175-186.
4. Arapov, Ujević, Marić Pfannkuchen, **Godrijan**, Bakrač, Ninčević Gladan, Marasović. 2016. Domoic acid in phytoplankton net samples and shellfish from the Krka River estuary in the Central Adriatic Sea. *Mediterr Mar Sci*, 17:340-350.
5. Mejdandžić, Ivanković, Pfannkuchen, **Godrijan**, Marić Pfannkuchen, Hrenović, Ljubešić. 2015. Colonization of diatoms and bacteria on artificial substrates in the sea. *Acta Bot Croat*, 74:407-422.
6. Nenadović, Šarčević, Čižmek, **Godrijan**, Marić Pfannkuchen, Pfannkuchen, Ljubešić. 2015. Development of periphytic diatoms on different artificial substrates in the Eastern Adriatic Sea. *Acta Bot Croat*, 74:377-392.
7. Hagino, Young, Bown, **Godrijan**, Kulhanek, Kogame, Horiguchi. 2015. Re-discovery of a "living fossil" coccolithophore from the coastal waters of Japan and Croatia. *Mar Micropaleontol*, 116:28-37.
8. Imešek, Pleše, Pfannkuchen, **Godrijan**, Marić Pfannkuchen, Klautau, Četković. 2014. Integrative taxonomy of four *Clathrina* species of the Adriatic Sea, with the first formal description of *Clathrina rubra* Sarà, 1958. *Org Divers Evol*, 14:21-29.
9. Gašparović, **Godrijan**, Frka, Tomažić, Penezić, Marić, Djakovac, Ivančić, Paliaga, Lyons, Precali, Tepić. 2013. Adaptation of marine plankton to environmental stress by glycolipid accumulation. *Mar Environ Res*, 92:120-132.
10. Viličić, Kuzmić, Tomažić, Ljubešić, Bosak, Precali, Djakovac, Marić, **Godrijan**. 2013. Northern Adriatic phytoplankton response to short Po River discharge pulses during summer stratified conditions. *Mar Ecol*, 34:451-466.
11. Orlić, Najdek, Supić, Ivančić, Fuks, Blažina, Šilović, Paliaga, **Godrijan**, Marić. 2013. Structure and variability of microbial community at transect crossing a double gyre structure (north-eastern Adriatic Sea). *Aquat Microb Ecol*, 69:193-203.
12. Marić, Frka, **Godrijan**, Tomažić, Penezić, Djakovac, Vojvodić, Precali, Gašparović. 2013. Organic matter production during late summer–winter period in a temperate sea. *Cont Shelf Res*, 55:52-65.

13. **Godrijan**, Marić, Tomažić, Precali, Pfannkuchen. 2013. Seasonal phytoplankton dynamics in the coastal waters of the north-eastern Adriatic Sea. *J Sea Res*, 77:32-44.
14. Ivančić, **Godrijan**, Pfannkuchen, Marić, Gašparović, Djakovac, Najdek. 2012. Survival mechanisms of phytoplankton in conditions of stratification induced deprivation of orthophosphate: Northern Adriatic case study. *Limnol Oceanogr*, 57:1721-1731.
15. **Godrijan**, Marić, Imešek, Janeković, Schweikert, Pfannkuchen. 2012. Diversity, occurrence, and habitats of the diatom genus *Bacteriastrum* (Bacillariophyta) in the northern Adriatic Sea, with the description of *B. jadrantum* sp. nov. *Bot Mar*, 55:415-426.
16. Pfannkuchen, **Godrijan**, Marić Pfannkuchen, Iveša, Kružić, Ciminiello, Dell'Aversano, Dello Iacovo, Fattorusso, Forino, Tartaglione, Godrijan, 2012. Toxin-producing *Ostreopsis* cf. *ovata* are likely to bloom undetected along coastal areas. *Environ Sci Technol*, 46:5574-5582.
17. Fuks, Ivančić, Najdek, Lučić, Njire, **Godrijan**, Marić, Šilović, Paliaga, Blažina, Precali, Orlić. 2012. Changes in the planktonic community structure related to trophic conditions: The case study of the northern Adriatic Sea. *J Mar Syst*, 96-97:95-102.
18. Marić, Kraus, **Godrijan**, Supić, Djakovac, Precali. 2012. Phytoplankton response to climatic and anthropogenic influences in the north-eastern Adriatic during the last four decades. *Estuar Coast Shelf Sci*, 115:98-112.
19. Frka, Gašparović, Marić, **Godrijan**, Djakovac, Vojvodić, Dautović, Kozarac. 2011. Phytoplankton driven distribution of dissolved and particulate lipids in a semi-enclosed temperate sea (Mediterranean): Spring to summer situation. *Estuar Coast Shelf Sci*, 93:290-304.
20. Ljubešić, Bosak, Viličić, Borojević, Marić, **Godrijan**, Ujević, Peharec, Djakovac. 2011. Ecology and taxonomy of potentially toxic *Pseudo-nitzschia* species in Lim Bay (north-eastern Adriatic Sea). *Harmful Algae*, 10:713-722.
21. Marić, Ljubešić, **Godrijan**, Viličić, Ujević, Precali. 2011. Blooms of the potentially toxic diatom *Pseudo-nitzschia calliantha* Lundholm, Moestrup & Hasle in coastal waters of the northern Adriatic Sea (Croatia). *Estuar Coast Shelf Sci*, 92:323-331.
22. Pletikapić, Radić, Zimmermann, Svetličić, Pfannkuchen, Marić, **Godrijan**, Žutić. 2011. AFM imaging of extracellular polymer release by marine diatom *Cylindrotheca closterium* (Ehrenberg) Reiman & J.C. Lewin. *J Mol Recognit*, 24:436-445.
23. Pfannkuchen, Marić, **Godrijan**, Fritz, Brümmer, Jaklin, Hamer, Batel. 2009. Sponges (Porifera) and eukaryotic, unicellular plankton: A case study on *Aplysina aerophoba*, Nardo 1886 in the Northern Adriatic. *J Exp Mar Biol Ecol*, 382:40-46.

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