Dr. Maja Ilić
Dr. rer. nat. / PhD in Biology

* 5th of July 1989 in Rijeka, Croatia

112 University Street, BT7 1HH Belfast, UK

Website: majailicbio.netlify.com

Date of CV: 17.12.2020

+49 176 3294 0037

maja.ilic.bio@gmail.com

ORCiD: 0000-0002-8387-9932

PROFESSIONAL CAREER AND EDUCATION

Queen's University Belfast, United Kingdom
Data Analyst/R Programmer
Project: Grassland Resilience	11/2019 – present
Project: PROBYFISH – Protecting bycaught species in mixed fisheries	03/2019 – 10/2019

Heinrich-Heine-University Düsseldorf, Germany
Scientific Assistant   10/2017 – 03/2018
Co-funding with University of Cologne, Germany

University of Cologne, Germany   10/2014 – 02/2019
PhD Research (Date of disputation: **10.05.2019**)
Project: "Effects of natural phytoplankton trait diversity on *Daphnia* spp."
Workgroup: Aquatic Chemical Ecology
Supervisor: PD Dr. Patrick Fink
Funding: German Research Foundation (DFG)

Ludwig-Maximilians-University Munich, Germany
Master of Science in Biology (Final grade: 1.92, Thesis: 1.3)   10/2012 – 09/2014
Bachelor of Science in Biology (Final grade: 2.74, Thesis: 1.7)   10/2009 – 08/2012

FELLOWSHIPS AND SCIENTIFIC AWARDS

Award for the **best lightning talk** at British Ecological Society Aquatic Group Annual Meeting in London, United Kingdom (2019)

DAAD Travel grant (1965 €) for the international conference ASLO 2019 Aquatic Sciences Meeting in San Juan, Puerto Rico (2019)

Award for the **best oral presentation** at Cladocera XI. Meeting in Kulmbach, Germany (2017)

Frontiers in Zoology Award (200 €) for the **best oral presentation** at 108th Annual Meeting of the German Zoological Society (DZG) in Graz, Austria (2015)

DAAD RISE fellowship (German Academic Exchange Service, 2910 €) for supervision of one undergraduate student intern from University of British Columbia, Canada (2015)

RESEARCH OUTPUT (SEE LIST OF PUBLICATION FOR DETAILS)

Number of peer-reviewed scientific articles:

First author: 2
Co-author: 4

Number of non-refereed scientific articles:

Co-author: 1

Number of theses: 3   (Doctoral, Master's and Bachelor's Thesis)

RESEARCH SUPERVISION

2017 – 2018	**Co-supervision of two external students (2 months each)** Supervision in the lab during HPLC analyses of phytoplankton pigments
2015 – 2018	**Co-supervision of five Bachelor's theses (B.Sc., 4 months each)** Developed Bachelor's projects with my PhD supervisor and the respective student; provided support during the experiments, data analysis and thesis writing (in German and English) Topics: biodiversity-ecosystem functioning relationship, phytoplankton pigments, food quality, *Daphnia*, intraspecific competition
2015	**Co-supervision of one international student (3 months)** DAAD RISE fellowship student from Canada

TEACHING (SEE TEACHING PORTFOLIO FOR DETAILS)

12/2020	**Online workshop** for PhD candidates at **King's College London** and **Imperial College London:** *Introduction to R*
06/2019 – 12/2020	**Workshops, seminars** and **video tutorials** on programming in **R**, data management, processing and visualization, basic statistics, data integrity, version control and reproducibility
10/2014 – 07/2017	**Teaching assistance** at **University of Cologne, Germany** *Methods and Techniques in Chemical Ecology* (M.Sc., in English) *Experimental Ecology* (B.Sc., in German)
04/2012 – 07/2014	**Teaching assistance** at **Ludwig-Maximilians-University Munich, Germany** Several courses within the B.Sc. program (in German)

SCIENTIFIC MEETINGS AND CONFERENCES (SELECTED)

12/2020   BES Annual Meeting (online conference)
             oral presentation

12/2019   BES Annual Meeting in Belfast, United Kingdom
             oral presentation

09/2019   BES Aquatic Group Annual Meeting in London, United Kingdom
             oral presentation **(Award)**

02/2019   ASLO Aquatic Sciences Meeting ("Planet Water") in San Juan, Puerto Rico
             oral presentation

09/2017   Cladocera XI. Meeting in Kulmbach, Germany
             oral presentation **(Award)**

02/2017   ASLO Aquatic Sciences Meeting ("Mountains to the Sea") in Honolulu, Hawai'i
             oral presentation

09/2015   108th Annual Meeting of the German Zoological Society (DZG) in Graz, Austria
             oral presentation **(Award)**

INVITED TALK

04/2017   Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB)
             Invited by: Dr. Stella Berger, Experimental Limnology

RESEARCH RELATED WORKSHOPS AND CAREER DEVELOPMENT TRAINING

Scientific Soft Skills

09/2018   "Career Advancement for Exceptional Female Scientists: Fast Tract to
             Independence" (including grant writing training) in Vienna, Austria

03/2015   "Theory and Literature Workshop on Trait variation and Ecological
             dynamics" at University Potsdam, Germany

Statistical Analysis

02/2017   "Population Growth Models with R" at University of Cologne, Germany

02/2016   "Time Series Analysis with R" at University Potsdam, Germany

07/2015   "Univariate Statistics in Ecology and Evolution" at University Bremen,
             Germany

RESEARCH RELATED ACTIVITIES AND RESPONSIBILITIES

2020	Science communication article for Freshwater Biological Association
2018 - 2020	Manuscript review for *The American Naturalist*, *Nature Scientific Reports*, *Environmental Reviews Biology*, *Aquatic Ecology* and *Limnology*
2017 – 2018	Organizer of a regular workgroup-internal PhD meeting
2015 – 2018	Responsible scientist for the standardized pigment analysis via HPLC (involving a collaboration with the University of Duisburg-Essen, Germany)
2015	Organizer and lecturer of a weekly workgroup-internal course on "Statistical analysis and data visualization in R"

MEMBERSHIPS

2019 – present	British Ecological Society (BES)
2019 – present	German Limnological Society (DGL)
2017 – present	Association for the Sciences of Limnology and Oceanography (ASLO)
2015 – present	German Zoological Society (DZG)

CORE COMPETENCIES

Analytical Chemistry

- Gas chromatography
- High-performance liquid chromatography
- Method development (HPLC)
- Water chemistry

Molecular Biology and Biochemistry

- DNA extraction and PCR
- Microsatellite analysis
- Protein purification
- SDS-PAGE, Western Blot

Statistics and Programming

- R and RStudio
- Python, Perl, Matlab
- Quantitative analysis of ecological data
- Multivariate statistical analysis
- Statistical modelling

Languages (written and oral)

- Croatian (native speaker)
- English (fluent)
- German (fluent)
- Spanish (basic communication skills)
- Swedish (basic communication skills)