

Curriculum Vitae

Last update: 05th April 2023

Dr. Joschka Wiegleb

Personal information

Name: Dr. Joschka Wiegleb
Adress: University of Southampton, International Centre for Ecohydraulic Research (ICER), Bodlrewood Campus, Burgess Road, SO16 7QF, United Kingdom
Day and place of birth: 12.05.1993 in Schwalmstadt, Germany
Nationality: German
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Website: joschkawiegleb.github.io
Orcid: 0000-0003-2000-532X
Society membership: Fisheries Society of the British Isles (FSBI) (since April 2023)

Married, with two children (*2019 and 2020)

Employment

Since 02/2023 PostDoc, International Centre for Ecohydraulic Research (ICER), University of Southampton, United Kingdom

01/2022 – 01/2023 PostDoc, Program MGU, University of Basel, Switzerland

Education

12/2017 – 01/2022 PhD student, Dissertation title: 'Hydraulic burden and swimming behaviour of benthic fish in a vertical slot fish pass', University of Basel, Switzerland, grade: 5.5 (Magna cum laude), defended on 06/01/2022, Supervisor: Prof. Dr. Patricia Burkhardt-Holm

10/2015 – 09/2017 M.Sc. Aquaculture, thesis title: 'About the feeding ecology of the round goby', University of Rostock, Germany, Thuenen-Institute of Baltic Sea Fisheries, grade: 1.7, Supervisor: Dr. Daniel Oesterwind

10/2012 – 09/2015 B.Sc. Biology, thesis title: 'Construction of an aquatic system for incubation of cod (*Gadus morhua*) and lumpsucker (*Cyclopterus lumpus*) eggs with documentation of their development', grade: 2.6, University of Düsseldorf, Germany, Supervisor: Prof. Dr. Christopher Bridges

Practical experience

07/2017 – 08/2017 Research assistant, Thuenen-Institute for Baltic Sea Fisheries, Rostock, Germany

06/2017 – 07/2017 Voluntary work, Thuenen-Institute for Baltic Sea Fisheries, Rostock, Germany

01/2017 – 02/2017 Internship, Thuenen-Institute for Baltic Sea Fisheries, Rostock, Germany
08/2016 – 09/2016) (2 months)

06/2016 – 02/2017 Research assistant, Mecklenburg-Vorpommern Research Centre for Agriculture and Fisheries, Institute of Fisheries, Research Station Aquaculture, Born a. Darss, Germany

09/2015 – 10/2015 Internship, Mecklenburg-Vorpommern Research Centre for Agriculture and Fisheries, Institute of Fisheries, Research Station Aquaculture, Born a. Darss, Germany

Supervision of students

08/2022 – 05/2023 Master thesis of Lucas Bergmann, 'Microplastics pollution and animal swimming behaviour', Master of Sustainable Development, University of Basel, Switzerland

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| 06/2021 – 03/2022 | Master thesis of Nandhakumar Govindasamy, 'What is the physical benefit of staying close to the ground in flowing water in benthic fish?', Master of Sustainable Development, University of Basel, Switzerland |
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Teaching

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| SpS (Spring semester) 2022 | Tools and Methods of Natural Sciences Research, 3 ECTS (Credit Points) |
| FS (Fall semester) 2019, FS 2020, FS 2021, FS 2022 | Critical Reading Seminar, Master of Sustainable Development, University of Basel, 1 ECTS |
| 02/2020 | One-day workshop 'Fischwohl und Forschung' in 'Fachkurs Aquakultur' of the University of Applied Science Bern, Switzerland |
| FS 2018 – FS 2022 | Organisation of the Life Science Kolloquium, Master of Sustainable Development, University of Basel, 1 ECTS |

Review activity for scientific publications

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| 06/2020 | Article review for 'Journal of Aquacultural Engineering' |
| 10/2020 | Article review for 'Journal of Great Lakes Research' |
| 08/2021 | Article review for 'Ecology and Evolution' |
| 11/2021 | Article review for 'Ecology and Evolution' |

Acquired third-party funds

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| 12/2022 | Postdoc.Mobility fellowship of the Swiss National Science Foundation (SNSF), amount: 158,248 CHF, project number: 214358, duration: 24 months |
| SpS 2021 | Funding for scientific assistant support for one semester from the program 'Get on Track' of the University of Basel to support PhD students in parenthood (ca. 2,800 CHF) |
| SpS 2020 | Funding for scientific assistant support for one semester from the program 'Get on Track' of the University of Basel to support PhD students in parenthood (ca. 2,800 CHF) |

Prizes and Awards

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| 08/2022 | Second Prize 'Best Poster' at the International Congress of Ecology (INTECOL) in Geneva, Switzerland |
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Personal skills

Languages:

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| German | Native speaker |
| English | Level C1 (CEFR) |
| Latin | Latinum |

IT:

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| Microsoft Office (Word, Excel, PP) | Daily use |
| R | Daily use |
| Matlab | Good skills |
| Python | Daily use |
| Blender | Good skills |

Continuing education during the PhD

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| SpS 2021 | Course: Konstruktive Konfliktlösung (30 h working hours), organizer: University of Basel, Switzerland |
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| SpS 2021 | Course: Boost Your Career: Fit for Own Third-Party Funding (30 h working hours), organizer: University of Basel, Switzerland |
| 02/2021 | Course: Python Crash Course (for Beginners) (10 h working hours), organizer: University of Basel, Switzerland |
| FS 2020 | Course: Meine erste Lehrveranstaltung unter Berücksichtigung der digitalen Lehre (30 h Arbeitsaufwand), organizer: University of Basel, Switzerland |
| FS 2020 | Course: Writing for Publication in the Natural and Life Sciences (30 h working hours), organizer: University of Basel, Switzerland |
| FS 2020 | Course: Writing Workflow: Forming Your Next Research Article (30 h working hours), organizer: University of Basel, Switzerland |
| 05/2019 | Course: Optimizing Research Data Management (14 h working hours), organizer: University of Basel, Switzerland |
| FS 2019 | Course: Rapid prototyping for measurement systems, automation, control, artificial intelligence, and virtual reality (60 h working hours), organizer: University of Basel, Switzerland |
| 01/2019 | Course: Das Tierwohl (Bestandteil des Fachkurses Aquakultur) (8 h working hours), organizer: University of Applied Science Bern, Switzerland |
| FS 2018 | Course: Filmmaking for Scientists (30 h working hours), organizer: University of Basel, Switzerland |
| 12/2018 | LTK Moul 6E: Weighing of interests (6 h working hours), organizer: ETH Zürich, Switzerland |
| 10/2018 | Tierschutz-Kurs P: Arttypisches Verhalten: Haltung, Betreuung und Pflege von Fischen in der Praxis (6.5 h working hours), organizer: Ecotoxolutions, Switzerland |
| 03/2018 | LTK Modul EGA: Introductory Course in Laboratory Animal Science (8 h working hours), organizer: ETH Zürich, Switzerland |

Additional Qualifications

Basics of Laboratory Animal Science according to FELASA B

Exam for Ordinance on Aptitude of Instructors of the Chamber of Commerce and Industry, Rostock, achieved points: 89 / 94, grade: good

International Certificate for Operators of Pleasure Craft in Inland Waters

International Certificate for Operators of Pleasure Craft on the Waterways navigable by sea-going ships

Driver's license, class B