

Curriculum Vitae

Dr. Johannes Radinger

Contact

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PhD Thesis

2014 *Modelling fish dispersal in catchments affected by multiple anthropogenic pressures*

Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) Berlin / Humboldt-Universität zu Berlin, Faculty of Life Sciences, Berlin, supervised by Prof. Dr. Werner Kloas and Dr. Christian Wolter, *summa cum laude*

online: <http://edoc.hu-berlin.de/docviews/abstract.php?id=41066>

Diploma Thesis

2010 *The influence of flow velocity and substrate composition on the benthic fauna in the lower reaches of River Erlauf*

University of Natural Resources and Life Sciences (BOKU) Vienna, Austria, Institute of Hydrobiology and Aquatic Ecosystem Management, supervised by Prof. Dr. Otto Moog, *graduated with honors*

online: <http://permalink.obvsg.at/bok/AC08250618>

Academic Career

- Sept 2021 – **Postdoc**, *Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin*, (PI: R. Arlinghaus), Project BAGGERSEE: Promotion of biodiversity and ecosystem services in small gravel pits through implementation of habitat-oriented management practices in recreational-fisheries management.
- 2019 – 2021 **Postdoc**, *Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin*, (PI: C. Wolter), European H2020 project FITHydro: Fishfriendly Innovative Technologies For Hydropower.
- 2017 – 2019 **Postdoc**, *University of Girona, Institute of Aquatic Ecology, Research Group on Ecology of Inland Waters (GRECO), Spain*, (PI: E. García-Berthou), European BiodivERsA project ODYSSEUS: Between Scylla and Charybdis – Managing connectivity for freshwater fish.
- 2016 – 2017 **Postdoc**, *Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin*, (PI: C. Wolter), BfN F+E Vorhaben: Fachplanerische Bewertung der Mortalität von Fischen an Wasserkraftanlagen.
- 2014 – 2016 **Postdoc**, *Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin*, (PIs: F. Hölker, C. Wolter), European BiodivERsA project FISHCON: Biodiversity scenarios for fragmented landscapes; freshwater connectivity and the future of fish diversity.

- 2010 – 2014 **PhD**, *Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB)/ Humboldt-Universität zu Berlin*, Modelling fish dispersal in river networks within the European IWRMnet project IMPACT: Developing an integrated model to predict abiotic habitat conditions and biota of rivers application in climate change research and water management.
- 2009 – 2010 **Study abroad**, *Uppsala University, Sweden, Departments for Evolutionary Biology and Geoscience*, Erasmus exchange programme; Courses in ‘Applied ecosystem ecology’ and ‘Management of European catchments’.
- 2003 – 2010 **Individual diploma study programme: Ecological Land- and Water Management**, *University of Natural Resources and Life Sciences (BOKU)*, Vienna, Austria, thematic focus: freshwater ecology, hydrology, land use and land management, GIS and remote sensing, water and environmental protection, civil engineering.

Prizes and Awards

1st Prize MCED Award 2017 for innovative ecological modelling approaches and enhancing the understanding of complex ecological dynamics. Awarded by the MCED (Modelling Complex Ecological Dynamics) committee of the Ecological Society of Germany, Austria and Switzerland (GfÖ) for the contribution ‘Global change effects on shifts in fish habitats and implication for population distribution applied to the River Elbe catchment’. http://www.mced-ecology.org/?page_id=1151

Nominated for the final stage of the **1st SIL International Student Competition, 2016** with the article: Radinger J. and Wolter C. (2014) Dispersal patterns and abilities of freshwater fishes. *Fish and Fisheries*. 15:456–473.

Ruttner Prize 2014 for outstanding scientific achievements by young aquatic researchers, awarded by SIL Austria for: Radinger J. and Wolter C. (2014) Dispersal patterns and abilities of freshwater fishes. *Fish and Fisheries*. 15:456–473.

ISRS 2011 Best Poster Award for: Modelling fish dispersal in river networks with open source GIS. Poster. 2nd Biennial Symposium of the International Society of River Science, Berlin, August 09-12, 2011.

Teaching, Guiding and Seminars

- ongoing **IGB Berlin, University Girona**, *Co-supervision of 3 PhD students.*
- 2015-2017 **Humboldt-Universität zu Berlin / IGB Berlin**, *Teaching and hands-on (field) guidance within the scope of a Master-level lecture on Applied Fish Ecology and River Restoration*, Topic: Spatial modelling in aquatic ecology and river restoration.
- 2015 **University Duisburg-Essen, Essen**, *Introduction to spatial modeling with GRASS GIS and the fish dispersal model FIDIMO*, Seminar and hands-on workshop.
- 2010 **University of Natural Resources and Life Sciences (BOKU), Vienna, Austria**, *Institute of Hydrobiology and Aquatic Ecosystem Management*, Teaching of field sampling methods, identification of stream macroinvertebrates and WFD-compliant assessment methods.
- 2007 – 2008 **Mountains of the Moon University, Fort Portal, Uganda**, *Austrian service abroad - 12 months*, Lecturer at the departments of agriculture and ICT.
- 2006 **University of Natural Resources and Life Sciences (BOKU), Vienna, Austria**, *Institute of Surveying, Remote Sensing and Land Information*, Student guidance in field methods and usage of surveying instruments and spatial data analysis.

Organisation of Conferences and Workshops

- 2017 **5th Biennial Symposium of the International Society for River Science (ISRS) 2017**, Organisation of the special session “Spatial Patterns and Processes of Biota in River Networks”, November 19-24, 2017, Hamilton, New Zealand.
- 2015 **EcoMeetIng 2015**, Organisation of the conference “Ecology meets Ingenieur”, February 26-27, 2015, Berlin.

Further Scientific Experience and Advanced Training

- 2005 – 2009 **University of Natural Resources and Life Sciences (BOKU), Vienna, Austria**, *Institute of Hydrobiology and Aquatic Ecosystem Management*, Field sampling campaigns, lab work, identification of stream macroinvertebrates (various projects).
- 2009 **University Jyväskylä, Finland**, *Winterschool of Ecology*, courses in winter limnology and boreal winter ecology.
- 2008 **CTU Prague, Faculty of Civil Engineering, Czech Republic**, International course on soil erosion and sediment transport measurement and assessment.
- 2006 **Radboud University Nijmegen, The Netherlands**, *Student assistant*, research-work: Ecosystem-based urban water management in Nijmegen and Arnhem; field sampling and identification of macroinvertebrates.

Memberships

Ecological Society of Germany, Austria and Switzerland /
Gesellschaft für Ökologie e.V. - GfÖ

International Society of River Science

International Society of Limnology (SIL) Austria

Computer and Programming Skills

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| Programming | Python / GRASS (e.g. FIDIMO) R (e.g. package ‘fishmove’) SQL, SQLite | OS | MacOS, Linux, MacOS, Windows |
| GIS | GRASS GIS, QGIS, ArcGIS, Idrisi, Erdas Imagine | Miscellaneous | Adobe Creative Suite, HEC-RAS, EcoProf, L ^A T _E X, CASiMiR, Surfer, Ig- orPro, SigmaPlot, Arduino-Processing |
| Statistics | R, SPSS, PC-Ord, Canoco | | |

Berlin, April 13, 2021