

MAURYCY ŻARCZYŃSKI

Research unit	Office address	E-mail address
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Education

	University of Gdansk PhD in Earth sciences
2014 – 2019	<i>Environmental change during the last 2000 years recorded in microfacies and geochemistry of varved sediments from Lake Żabińskie (northeastern Poland)</i>
	University of Gdansk Master
2012 – 2014	<i>Conditions of spatial and chemical variability of Lake Łazduny lacustrine sediments</i>
	University of Gdansk Bachelor
2009 – 2012	<i>Morphometric drivers of sedimentation in Lake Żabińskie</i>

Work experience

2022 – now	School of Earth and Sustainability, Northern Arizona University Post-doc; Research Scholar
2022 – now	Division of Geomorphology and Quaternary Geology, University of Gdansk Assistant Professor (sabbatical)
2021 – 2022	Institute of Geography, University of Gdansk Technician
2019 – 2021	Environmental Change Reconstruction Laboratory, University of Gdansk Assistant Professor (Post-doc)
2020 – 2020	Marine Biogeochemistry Laboratory, Institute of Oceanology, Polish Academy of Sciences Internship
2019 – 2019	Oeschger Centre for Climate Change Research, University of Bern Internship (International scholarship exchange of PhD candidates and academic staff PROM, NAWA)
2017 – 2017	Sedimentology Laboratory, Pedagogical University of Cracow Internship
2016 – 2016	Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences Internship
2014 – 2019	Environmental Change Reconstruction Laboratory, University of Gdansk PhD student

2013 – 2013 GEOPOLAR Laboratory, University of Bremen
Internship

Awarded grants / Participation in research projects

2022 – 2023 **Reconstruction of environmental change during glacial-interglacial cycles of the last 1.3 million years recorded in the Stoneman Lake sediments (Arizona, USA): a novel perspective from hyperspectral imaging (BPN/BEK/2021/1/00133)**
Principal investigator

2021 – 2022 **UGrants-first: The Excellence Initiative - Research University programme grant (1220/153/2021)**
Principal investigator

2020 – 2022 **Potential of Georgian lake sediments for environmental change reconstructions during the Holocene (2020/04/X/ST10/00467)**
Principal investigator

2019 – 2021 **Tracking climate signals preserved in lake sediments from integrated process studies and ultra high-resolution analysis of annually laminated sediments (2015/18/E/ST10/00325)**
Post-doc, Investigator

2019 – 2022 **Investigating fire history in Poland over the last 2000 years using annually laminated lake sediments (2019/32/C/ST10/00038)**
Investigator

2019 – 2020 **Ultrahigh-resolution monitoring of dissolved O₂ as a tool for tracking lake mixing processes and alternations of sedimentary Fe and Mn phases in lakes Łazduny and Żabińskie (Masurian Lakeland) (539-G110-B433-19)**
Principal investigator

2018 – 2018 **Historical and modern conditions for sedimentation of laminated sediments in lakes of northern Poland (538-G110-B099-18)**
Investigator

2017 – 2017 **Estimation of erosion rate changes in the Lake Żabińskie catchment during the last 2000 years based on the high-resolution grain-size analysis (538-G110-B576-16)**
Principal investigator

2016 – 2016 **Recognition of the Lake Żabińskie varve microfacies as a tool for determination of annual deposition rhythm and creation of robust chronology for the last 2000 years (538-G110-B218-16)**
Principal investigator

2016 – 2016 **An influence of limnological conditions on sedimentation in selected lakes of northern Poland (538-G110-B216-16)**
Investigator

2015 – 2017 **Air temperature variability in northern Poland during the past two millennia - quantitative reconstruction based on annually laminated sediments of Lake Żabińskie (CLIMPOL-2k) (2014/13/B/ST10/01311)**
Investigator

Scientific awards

- **Stefan Kozarski Award:** The best doctoral thesis defended in 2019, Association of Polish Geomorphologists, 2020
 - **Highly commended oral presentation:** *“Tracing lake mixing regimes using sedimentological and geochemical proxies in varved sediments: 2000-years-long record from Lake Żabińskie (NE Poland)”*, IPA-IAL 2018 Joint Meeting: Unravelling the Past and Future of Lakes, 18-21.06.2018, Stockholm
 - **Best poster award:** X Paleolimnological Symposium, 18–19.03.2019, Białystok
 - **Best poster award:** VII Paleolimnological Symposium, 03–04.03.2016, Szczecin
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Professional memberships

- American Geophysical Union (AGU)
 - Association of Polish Geomorphologists
 - PAGES Varve Working Group
 - Past Global Changes (PAGES)
 - PAGES Varve Working Group
 - Polish Geographical Society
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OTHER INFORMATION
