

Volkan Özen

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Museum für Naturkunde, Leibniz-Institut für Evolutions- und Biodiversitätsforschung
Berlin, Germany

Education	Freie Universität Berlin, Museum für Naturkunde Berlin	Germany
	The Southern Ocean diatoms across the Eocene/Oligocene transition. Supervisor: Dr. Johan Renaudie and Dr. David Lazarus	ongoing
	Ludwig Maximilian Universität (LMU) München	Germany
	<i>Thesis:</i> The Jurassic fossil records of tetrapods: patterns and bias. Supervisor: Dr. Oliver Rauhut	2018
	Istanbul Technical University	Turkey
	Engineering Geology	2016
Grants/Scholarships	ECORD Scholarship	2022
	Scholarship to participate <i>ECORD Urbino Summer School in Paleoclimatology</i> .	
	LinnéSys: Systematics Research Fund	2021
	Genus <i>Pyxilla (Bacillariophyta)</i> : Systematics and end-Eocene events	
Expeditions	International Ocean Discovery Program: Expedition 400	Aug-Oct 2023
	Cenozoic evolution of the northern Greenland Ice Sheet exposed by transect drilling in northeast Baffin Bay. Micropaleontologist.	
Previous Research Experience	Ludwig Maximilian Universität Munich	Nov 2017 – Mar 2018
	<i>Supervisor:</i> Dr. Oliver Rauhut The Jurassic fossil records of mammals: implications for mammal evolution and diversity patterns.	
	The Bavarian State Collection of Zoology- LMU Munich	May-Aug 2017
	<i>Supervisor:</i> Dr. Nicola Heckeberg Skull morphology and morphometrics analysis of genus <i>Mazama</i> (Mammalia)	
	Yale University - Bhullar Lab	Jun-Aug 2016
	<i>Supervisor:</i> Dr. Bhart-Anjan Bhullar and Dr. Adam Pritchard Skull morphology and phylogeny of Lower Permian reptile <i>Araeoscelis</i> .	
	European Center of Prehistory, Tautavel/France	Jan-Feb 2015
	<i>Supervisor:</i> Dr. Sophie Grégoire and Dr. Loic Lebreton Faunal reconstruction of the Arago Cave.	
Yale University - Hull Lab	Jul-Sep 2014	
	<i>Supervisor:</i> Dr. Pincelli Hull and Dr. Micheal Henehan Boron isotope records across the K-Pg boundary.	
Institute de Paleontologie Humaine, Nice/France	Jan-Feb 2015	
	Prehistoric cave excavation, stone tool analyzing, sediment granulometry, bone restoration.	

Supervision
and Teaching

Julia Hunter, Universität Oldenburg 2024
Master Thesis (completed): Exploring diatom size dynamics: Insights from the Eocene/Oligocene Transition in the Southern Ocean and Equatorial Atlantic. Co-supervising with Dr. Holger Freund.
Research Project (completed - 2023): Size dynamics of the Southern Ocean diatom communities across the Eocene/Oligocene transition.

David M. Raup Lecture Series, Istanbul Technical University 2015
A lecture series in honor of David Malcom Raup.
First Lecture: Mass extinctions, historical background.
Second Lecture: Signor-Lips effect and stratigraphy of mass extinctions.
Third Lecture: Life in the aftermath of mass extinctions.

Publications/ (selected)
Conference Abstracts

Late Eocene to early Oligocene productivity events in the proto-Southern Ocean as drivers of global cooling and Antarctica glaciation - Gabrielle Rodrigues de Faria, David Lazarus, Johan Renaudie, Jessica Stammeier, **Volkan Özen**, and Ulrich Struck
Climate of the Past 2024

Identification of growing microorganisms in marine sediments under oxic and anoxic conditions through H₂¹⁸O quantitative DNA stable isotope probing - Ömer K. Coskun, **Volkan Özen**, Scott D. Wankel, William D. Orsi.
Nature ISME 2019

Marine diatom response to the Eocene-Oligocene climatic events - **V. Özen**, G. Fraria, J. Renaudie, D. Lazarus, A. Gayane *CBEP 2022*

Carbon Cycling at the Dawn of the Cenozoic - M. Henehan, J. Barnet, B. Kalderon-Asael, **V. Özen**, J. Rae, A. Ridgwell, S. Greene, E. Thomas, K. Littler, M. Hain, J. Witts, N. Planavsky, F. von Blanckenburg, P. Hull *ICP 2022*

A compilation of stratigraphic occurrences of diatomite through the Paleogene: implications for paleoclimate, silicate weathering, and carbon burial in shallow marine environments - C. Figus, A. Gladenkov, T. Oreshkina, **V. Özen**, J. Renaudie, P. Siver, J. Witkowski *CBEP 2022*

Insights into the Paleocene Carbon Cycle from Boron Isotopes - M. Henehan, J. Barnet, **V. Özen**, P. Hull, N. Planavsky, A. Ridgwell, J. Rae, K. Littler, M. Hain, E. Thomas, S. Greene, F. von Blanckenburg *CBEP 2022*

Southern Ocean diatoms across the Eocene/Oligocene Transition - **Volkan Özen**, Gabrielle R. de Faria, Johan Renaudie, and David Lazarus. *CPEG 2021*

Southern Ocean Diatom Size Dynamics and the end-Eocene Paleoproductivity - Julia Hunter, **Volkan Özen**, Gabrielle R. de Faria, Johan Renaudie, David Lazarus. *CPEG 2021*

Climatic range of modern fossilizable phytoplankton - Johan Renaudie, David Lazarus, **Volkan Özen**, Gabrielle R. de Faria, Sarah Trubovitz. *CPEG 2021*

Biological Productivity in the Southern Ocean across the Eocene-Oligocene transition - Gabrielle R. de Faria, **Volkan Özen**, David Lazarus, Ulf Struck, Johan Renaudie, Gayane Asatryan. *GeoKarlsruhe 2021*

Southern Ocean diatom diversity across the Eocene-Oligocene transition - **Volkan Özen**, Gabrielle R. de Faria, Johan Renaudie, and David B. Lazarus. *TMS Annual Meeting, 2020*.

Cenozoic plankton diversity dynamics and the impact of macroevolution on the marine carbon cycle - Johan Renaudie, David Lazarus, Sarah Trubovitz, **Volkan Özen**, Gabrielle Rodrigues de Faria, Gayane Asatryan, and Paula Noble. *EGU, 2020*.

Investigating the role of Southern Ocean phytoplankton in the end-Eocene climatic events - **Volkan Özen**, Gabrielle Rodrigues de Faria, Gayané Asatryan, Johan Renaudie, and David B. Lazarus. *Jahrestagung der Paläontologischen Gesellschaft 2019*.

Interrogating the Palaeocene Palaeoclimate Paradox - Michael J. Henehan, James Barnet, Noah J. Planavsky, Kate Littler, Mathis P. Hain, Ellen Thomas, **Volkan Özen**, Friedhelm von Blanckenburg, Pincelli M. Hull. *Goldschmidt, 2019*.

Between a rock and a hard place: The history of Palaeocene ocean pH - Michael J. Henehan, Pincelli M. Hull, Noah J. Planavsky, Ellen Thomas, **Volkan Özen**. *Goldschmidt, 2015*.

Popular Science:

Volcanism on Mars; Tharsis Region. **Volkan Özen**, 2016 (Turkish Astronomical Society 'Gökyüzü' (Sky) Magazine, March-April 2016)

Geology of Enceladus. **Volkan Özen**, 2015 (Turkish Astronomical Society Gökyüzü (Sky) Magazine, December 2015)

Geology of Venus; Evidence of Active Volcanism." **Volkan Özen**, 2015 (Turkish Astronomical Society Gökyüzü (Sky) Magazine, September 2015)

Pluton and Its Geological Wonders. **Volkan Özen**, 2015 (Turkish Astronomical Society Gökyüzü (Sky) Magazine, August 2015)

Invited Talks

Diatom diversity and paleoproductivity history across The Eocene-Oligocene Transition

Keynote - *TMS 6th Silicofossil and Palynology Meeting* June 2022
Northumbria University (UK)

Programming

Proficient in **Julia programming language**.

Schools/Workshops

ECORD Urbino Summer School in Paleoclimatology (USSP) Italy
ECORD summer school on deep-time climate dynamics. July 2022

ECORD Downhole logging for IODP Science Summer School online
ECORD - University of Leicester September 2021
One week petrophysics summer school introduces the interpretation and applications of downhole logs and physical property data.

Artificial Intelligence Summer School online
Turkish Academy of Science June 2021
Three days summer school of artificial intelligence covering topics from AI application in biological system research to high performance computing.

School in Algorithms, Combinatorics, and Complexity online
St Petersburg University May 2021
An advanced school of algorithms and computational complexity.

Science Communication and Public Engagement online, Germany
Humboldt-Universität zu Berlin May 2021

The KI-Camp 2021 online, Germany
the Federal Ministry of Education and Research (BMBF) April 2021
Multidisciplinary machine learning camp organized by the BMBF and the the German Informatics Society (GI) - kicamp.org/about

Summer School on Foundations in Quantitative Palaeontology online
Helsinki University May 2020
One week quantitative paleobiology school.

3rd Mathematical Evolution Summer School Izmir, Turkey
Ecology and Evolution Society Turkey Sep 2015

Others

Behind Open Doors (movie) - Assistant Director Berlin
Winner: Best Director in Adana Golden Boll Film Festival 2023

References

Dr. David B. Lazarus - Museum für Naturkunde Berlin, Germany
david.lazarus@mf.n.berlin

Dr. Johan Renaudie - Museum für Naturkunde Berlin, Germany
johan.renaudie@mf.n.berlin

Dr. Jakub Witkowski - University of Szczecin, Poland
jakub.witkowski@usz.edu.pl