

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. end-2022
Supervisor: Dr. David Lazarus

Ludwig Maximilian Universität (LMU) München Germany
Thesis: The Jurassic fossil records of tetrapods: patterns and bias. 2018
Supervisor: Dr. Oliver Rauhut

Istanbul Technical University Turkey
Engineering Geology 2016

Grants

LinnéSys: Systematics Research Fund 2021
Project title: Genus *Pyxilla* (*Bacillariophyta*): Systematics and end-Eocene events

Research Experience

Ludwig Maximilian Universität Munich Nov 2017 – Mar 2018
Supervisor: 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
Supervisor: Dr. Nicola Heckeberg
Skull morphology and morphometrics analysis of genus *Mazama* (Mammalia)

Yale University - Bhullar Lab Jun-Aug 2016
Supervisor: Dr. Bhart-Anjan Bhullar and Dr. Adam Pritchard
Skull morphology and phylogeny of Lower Permian reptile *Araeoscelis*.

European Center of Prehistory, Tautavel/France Jan-Feb 2015
Supervisor: Dr. Sophie Grégoire and Dr. Loic Lebreton
Faunal reconstruction of the Arago Cave.

Yale University - Hull Lab Jul-Sep 2014
Supervisor: 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 2021 - ongoing
Size dynamics of the Southern Ocean diatom communities across the Eocene/Oligocene transition. - co-supervised with Dr. David Lazarus

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

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 (DOI: <https://doi.org/10.1038/s41396-019-0373-4>) 2019.

Southern Ocean diatom diversity across the Eocene-Oligocene transition

Volkan Özen, Gabrielle Rodrigues 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. Henahan, James Barnett, 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. Henahan, 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 It's Geological Wonders. **Volkan Özen**, 2015 (Turkish Astronomical Society Gökyüzü (Sky) Magazine, August 2015)

Schools/Workshops

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

Programming skills

Proficient in: **Julia** programming language, **Python** programming language.
Familiar with: R programming language.

References

Dr. David B. Lazarus - Museum für Naturkunde Berlin, Germany
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Dr. Jakub Witkowski - University of Szczecin, Poland
jakub.witkowski@univ.szczecin.pl

Dr. Ulrich Struck - Museum für Naturkunde Berlin, Germany
ulrich.struck@mf.n.berlin

Dr. Michael Henehan - Helmholtz Center Potsdam, Germany
michael.henehan@gfz-potsdam.de