

CURRICULUM VITAE

PERSONAL INFORMATION

Surname / First name **Lužar-Oberiter, Borna**
E-mail bluzar@geol.pmf.hr
Nationality Croatian
Date of birth 14.4.1979



EDUCATION

Year and qualification awarded 2009: **PhD in Geology**
Year and qualification awarded 2006: *Master of Science in Geology*
Year and qualification awarded 2002: *Bachelor in Geology*
Place of education Zagreb, Croatia
Name of organization University of Zagreb Faculty of Science, Department of Geology

WORK EXPERIENCE

Name and address of employer **University of Zagreb Faculty of Science** (Department of Geology, Horvatovac 102a, 10000 Zagreb, Croatia)

- Position (from – to) **Associate Professor 2023-present**
- Position (from – to) Assistant Professor 2017-2023
- Position (from – to) Senior Lecturer 2014 - 2017
- Position (from – to) Senior Assistant 2009 –2013
- Position (from – to) Assistant 2002 –2009

Main activities, responsibilities and work experience

Areas of experience, interest and peer review publication:

Sedimentology and facies analysis of clastic deposits, Provenance analysis, Regional geology and orogen-basin evolution, Sedimentary petrography and heavy mineral analysis, Geochemistry, Thermochronology, Spatial data analysis and modeling, 3D geological modelling, Remote sensing, UAV data collection

Teaching experience, past and present:

Geological mapping, Computer applications in geology (GIS), Remote sensing methods, Sedimentary basins of convergent margins, Facies analysis and interpretation, Geological mapping and sedimentology field courses, PhD and diploma thesis supervisor

ADDITIONAL TRAINING AND

WORK EXPERIENCE

Project involvement: 2023-present “Sedimentary evolution of Late Cretaceous deep-water basins in the Dinarides” as project co-coordinator and leader of Croatian team, Bilateral project funded by Croatian Science Foundation and Slovenian Research and Innovation Agency
2017-2020 “Sedimentology, stratigraphy and structural-geological relations of the Plitvice Lakes” as project leader, funded by the National Park Plitvička jezera
2015-present “Cretaceous GEodynamic PROOFS in the Dinarides and Pannonian Basin” as researcher, funded by the Croatian Science foundation
2007-2013, “From subduction to today’s modern Adriatic beaches: major changes in the evolution of the Dinarides” as researcher, funded by the Croatian ministry of science, education and sports
2005-2008, “Zircon fission-track chronology and heavy mineral chemistry of Cretaceous clastic formations of the Croatian Dinarides” as PhD student, funded by

the Deutsche Forschungsgemeinschaft
2002-2006, "From ancient sedimentary basins to modern sediments" as researcher,
funded by the Croatian ministry of science, education and sports

Consultancy: 2015. Technical translation and consultancy for Oando in their successful bid during the first onshore licensing round in Croatia
2014. Technical translation of well data, ranging from full geological reports to complex log translation for Spectrum ASA. Providing insight and geological knowledge to scouting and petroleum exploration in the Hrvatsko Zagorje sub basin and other regions in North West Croatia.

Research stay: Visiting researcher - German Research Foundation (DFG) scholarship, 2005-2007 (6 months in total) at University of Göttingen, Geoscience Center (Germany)

Leading of professional field trips and workshops: 2023. "Mesozoic-Cenozoic Dinaric foreland basins" field trip of the 36th IAS Meeting of Sedimentology
2019. „Geology of Banovina“ field trip of the 6th Croatian Geological Congress
2012. "Clastics" workshop for postgraduate students held at the Department of Geology, Faculty of Science, University of Zagreb
2010. "Evolution of a Dinaric foreland basin fill: flysch and molasse of North Dalmatia" field trip of the 4th Croatian Geological Congress
2009. "PP Žumberak-Samoborsko gorje - Vilinska staza" field trip of the Croatian Geological Society

Other related positions and responsibilities: 2023-present: Head of doctoral studies in Geology (University of Zagreb Faculty of Science)
2016-2020: member of the governing board of the Croatian Geological Society
2007-2017: member of the Natural sciences council of the University of Zagreb
2007-2017: member of the Faculty council of the Faculty of Science (University of Zagreb)
2011-2012: member of a task group for developing a project proposal and pre-feasibility study for the Northern Campus of the University of Zagreb

LANGUAGE SKILLS

Mother tongue *Croatian*
Other language *English* - Proficient user (EU instructions: C2) – Native speaker
Other language *Italian* - Basic user (EU instructions: B1)

SKILLS AND COMPETENCIES

Knowledge of computer software: ArcGIS (ESRI), Quantum GIS, Move (Midland Valley), Adobe Photoshop, Adobe Illustrator, MS Office
Geological consultancy and technical translation related to oil industry and application bids in licensing rounds
Experience with the application of various field and analytical methods in the study of sedimentary rocks and related laboratory preparation of samples
Experience in presentation:
Over 20 years of experience in teaching at the Department of Geology (Faculty of Science/University of Zagreb) on courses of various subject matter related to geology, sedimentology and computer application. I have been involved in the hosting of a sedimentary analysis workshop for postgraduate students and have held numerous talks at scientific conferences.

ADDITIONAL INFORMATION

Awards and scholarships:
2010. Award „Josip Tišljar“ for the best PhD dissertation in sedimentology awarded by the Croatian Geological Society
2005. Scholarship of the German Research Foundation - DFG
2005. Scholarship of the Croatian Ministry of science, education and sports
1994. National Honor Society of Secondary Schools, Int. School of Naples, Italy

SELECTED PUBLICATIONS

- Gizdavec, N., Gašparović, M., Miko, S., **Lužar-Oberiter, B.**, Ilijanić, N., Peh, Z. (2022) Discrimination of Rock Units in Karst Terrains Using Sentinel-2A Imagery. *Remote Sensing*, 14, 5169. doi.org/10.3390/rs14205169
- Razum, I., **Lužar-Oberiter, B.**, Zaccarini, F., Babić, Lj., Miko, S., Hasan, O., Ilijanić, N., Beqiraj, E., Pawlowsky-Glahn, V. (2021) New sediment provenance approach based on orthonormal log ratio transformation of geochemical and heavy mineral data: Sources of eolian sands from the southeastern Adriatic archipelago. *Chemical Geology*, 583, 120451.
- Dunkl et al. (2020) Comparability of heavy mineral data – The first interlaboratory round robin test. *Earth-Science Reviews*, 211, 103210.
- Lužar-Oberiter, B.**, Mikes, T., Dunkl, I., Babić, Lj., von Eynatten, H. (2012): Provenance of Cretaceous synorogenic sediments from the NW Dinarides (Croatia). *Swiss Journal of Geosciences*, 105, 377-399.
- Lužar-Oberiter, B.**, Mikes, T., von Eynatten, H., Babić, Lj. (2009): Ophiolitic detritus in Cretaceous clastic formations of the Dinarides (NW Croatia): evidence from Cr-spinel chemistry. *International Journal of Earth Sciences*, 98, 1097-1108.