

Berk Durutürk

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[ResearchGate](#) | [Google Scholar](#) | [LinkedIn](#)

EDUCATION

2023 - Present	PhD	University of Michigan	Resource Ecology and Management	Ann Arbor, MI, USA
2015 - 2018	MSc	Hacettepe University	Geological Engineering	Ankara, Türkiye
2009 - 2015	BSc	Hacettepe University	Geological Engineering	Ankara, Türkiye

EXPERIENCE

2023 - Present	Graduate Student Research Assistant, <i>University of Michigan, School for Environment and Sustainability, Ann Arbor, Michigan, USA</i>
2022 - 2023	Research Assistant, <i>Wright State University, Department of Earth and Environmental Sciences, Dayton, Ohio, USA</i>
2021	Visiting Researcher, <i>Shirshov Institute of Oceanography, Moscow, Russia</i>
2019 - 2021	Ph.D. Candidate, <i>Department of Geomorphology, Saint Petersburg State University, Russia</i>
2018 - 2021	Graduate Fellow and Scholar, <i>Ministry of Science and Higher Education of the Russian Federation</i>
2016 - 2017	Graduate Research Fellow, <i>Hacettepe University / Scientific and Technological Research Council of Türkiye (TUBITAK)</i>
2013	Geological Engineer Intern, <i>General Directorate of Mineral Research and Exploration (MTA), Ankara, Türkiye</i>

TEACHING

2020 - 2021	Foreign English as a Second Language Teacher, <i>Infinitive Language Schools, Saint Petersburg, Russia</i> . Taught Intermediate and Upper Intermediate ESL students. Designed course materials; selected course books and supplementary materials; organized speaking clubs; taught writing methods in daily and academic life.
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FIELDWORK

'22-'23 Summer	Scientist, <i>12 separate trips to Lake Superior & Lake Erie, USA</i> . Lake bottom sediment coring and water sampling on R/V Blue Heron of the University of
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Minnesota - Duluth and R/V Gibraltar III of The Ohio State University.

- 2020 Fall Field Researcher, *Lake Krasnaya, NW of Saint Petersburg, Russian Federation*. Conducted lake bottom sediment sampling and coring of the 24 meters in depth, preparation, and maintenance of the field equipment, accurately packing the cores to carry to the coolers at the institute.
- 2018 Spring Field Researcher, *Kas - Kalkan Region, Southwestern Anatolia, Türkiye*. Investigated the fault systems and secondary joint developments and examined the interactions with the fluid. Sampling carbonate veins for U-Th dating and stable isotope values in the seacoast between Kas and Kalkan in Antalya. Project: "Investigation of late Quaternary paleo-seismicity of the major active fault systems in Turkey with radiometric dating and isotope studies" Project no. 114Y544.
- 2012 Summer Geological Mapping Summer Training, *Northwestern of Ankara*. Practiced the geological fieldwork and mapping skills with a group of 10 students under the observation of field assistant on Kazan Depression of Central Anatolia. Detailed field report written and presented to the jury.
- 2012 Fall Field Geology Course, *Ankara, Central Anatolia, Türkiye*. Learned basic and advanced geologic field mapping skills in several different regions (12 sites) around Ankara. A semester of weekly field trips to designated and geologically significant locations.

HONORS & AWARDS

- 2023 - 2028 Full Doctoral Funding: *School for Environment and Sustainability, University of Michigan*
- 2023 WestRock Scholar Program: *CoSM, Wright State University*: Awarded \$5,537
- 2022 Benjamin Richard Memorial Field Experience Fund: *Department of Earth and Environmental Sciences, Wright State University*: Awarded \$105
- 2022 CoSM Fund: *College of Science and Mathematics, Wright State University*: Awarded \$500
- 2022 - 2024 Fully-funded Graduate Scholarship: *NSF Grant to Dr. Silvia Newell - Wright State University*: Transferred to the University of Michigan - Ann Arbor.
- 2018 - 2021 Graduate Research Fellowship and Scholarship: *Saint Petersburg State University via Ministry of Science and Higher Education of the Russian Federation*
- 2018 Rossotrudnichestvo Fellowship at Study in Russia Competition: Awarded
- 2016 - 2017 Graduate Student Scholar, *TUBITAK - Hacettepe University*
- 2013 - 2014 Department of Geological Engineering Honors, *Hacettepe University*
- 2004 - 2008 High School Scholarship (4 yrs), *Yildirim Beyazit High School Alumni Association*

PUBLICATIONS

Published

1. **Duruturk, B.**, Demir, N, Koseoglu, I., Onal, U. B., and Ercanoglu M., 2017. GIS-Based Determination of Landslide Properties in Regional Scale: Karabuk Province (NW Turkey). Annals of Valahia University of Targoviste, Geographical Series, Volume 17, Issue 1, Page 37. DOI: <https://doi.org/10.1515/avutgs-2017-0004>

CONFERENCE ABSTRACTS, POSTERS, AND PRESENTATIONS

1. Suder, T., **Duruturk, B.**, Sauer, H., O'Beirne M., Hamilton, T., Newell S.E., and Werne, J., 2023. The εpor proxy in modern large lake systems representing trophic extremes (Poster). The Geological Society of America Connects 2023, 15-18 October 2023, Pittsburgh, Pennsylvania, USA.
2. **Duruturk, B.**, Werne, J., Suder, T., Gonzalez-Boy, K., and Newell. S.E., 2023. Nitrogen loss and recycling in the western and seasonally hypoxic central basins of Lake Erie (Poster). Association for the Sciences of Limnology and Oceanography (ASLO) Meeting 2023, 4-9 June 2023, Palme De Mallorca, Spain.
3. **Duruturk, B.**, Dirik, R. K., Unal-Imer, E., Uysal, İ. T., Mutlu, H., Yuce, G., and Temel, A., 2018. New Evidences about Carbonate Veins and Calcite Fiber outcrops between Kaş-Kalkan (Antalya, Turkey) (Poster). 8th TURQUA Quaternary Symposium of Turkey, 2-5 May 2018, Istanbul Technical University – Eurasia Institute of Earth Science, Istanbul, Turkey.
4. Mutlu, H., Dirik, R. K., Uysal, T., Yuce, G., Bayari, S., Ozyurt, N. N., Temel, A., Seyitoglu, G., Unal-Imer, E., Aydogdu, I., Yildirim, G., and **Duruturk, B.**, 2017. Radiometric, stable isotopic, geochemical and noble gas signals from the active fault zones in Anatolia (Oral Presentation) 70th Geological Congress of Turkey, 10-14 April 2017, Ankara, Turkey.
5. **Duruturk, B.**, Demir, N., Koseoglu, I., Onal, U.B. and Ercanoglu, M., 2016. GIS-Based Determination of Landslide Properties in Regional Scale: Karabuk Province (NW Turkey) (Poster). 3rd International Conference Geography, Environment and GIS, 19-21 May 2016, Targoviste, Romania.

PROFESSIONAL SOCIETIES

Turkish Chamber of Geological Engineers,
Association for the Sciences of Limnology and Oceanography (ASLO)
Cooperative Institute for Great Lakes Research (CIGLR)

LANGUAGES

Turkish; English; Russian.

SKILLS

Computer: CorelDraw, QGIS, R, IDRISI Selva, SketchUp, Adobe Photoshop, Geosetter, Stereonet, Win Tensor, HYDRUS, Modview, phreeqci, Modflow, OxCal, digital photography.

Laboratory: MIMS (Membrane inlet mass spectrometer), LaChat nutrient analyzer, sedimentary sample preparation (especially microtectonic features such as carbonated rocks and calcite veins), sample preparation for radiocarbon and U-Th dating, scanning electron microscopy, lake bottom core preparation, splitting and scanning, multi-sensor core logger; MSCL-S (GEOTEK), fossil picking for radiocarbon analysis, rock and sediment sample repository organization, Bayesian Analysis for Radiocarbon Dates, Bacon age-depth modeling

Field: soil pit excavation and sedimentological description, sampling fossil organic matter for radiocarbon dating, Russian peat corer, gravity corer, multi-corer, pole corer, piston corer (UWITEC), and assembling the floating platform, lake sediment core collection and sub-sampling (gravity cores, multi-cores, and piston cores), lake bottom GPR surveys for geophysical analysis and bathymetrical investigation, Secchi disc, surface water sampling, auger drill logging, and sediment sampling, monitoring well and piezometer completion, groundwater level measurement, camp management, field logistics & operations, sample management, domestic and international shipping.

RELEVANT COURSEWORK

Wright State University, Ph.D. GPA: 3.72: Global Biogeochemical Cycles, Oceanography, Writing in the Biological Sciences, Perspectives in Environmental Sciences, Environmental Field Techniques.

Saint Petersburg State University: History and Philosophy of Science

Hacettepe University, M.Sc. GPA: 3.75: Water Quality Management, Plate Tectonics, Groundwater and Surface-water Interactions (METU), Groundwater Contamination (METU), Isotopes in Hydrology, Paleocology and Palaeobiological Environments, Extensional Tectonics.

Hacettepe University, B.Sc. GPA: 2.86: Environmental Geology, Hydrogeology, Mineralogy, Structural Geology, Stratigraphy - Sedimentology, Paleontology, Remote Sensing and GIS, Environmental Impact Assessment, Applied Geophysics, Igneous and metamorphic Petrology, Geomorphology, Subsurface Geology, Historical Geology, Geostatistics, Engineering Mathematics, Thermal and Mineralized Waters, Calculus II.

VOLUNTEER PROJECTS

- European Union Project, “All Equal” 2013, *Kosice, Slovakia* – As Participant
- GSM Int’l Volunteer Workcamp 2012, *Kastamonu, Türkiye* – As Camp Leader
- GSM Int’l Volunteer Workcamp 2011, *Didim, Muğla, Türkiye* – As Camp Leader
- IJGD Int’l Volunteer Workcamp 2007, *Gerolstein, Cologne, Germany* – As Volunteer
- Model UN Society of Hacettepe University, 2009-2012, Founder & President