

Ozan Sinoplu

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Department of Earth Sciences, University of Connecticut
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Research Interests

(Active-) Tectonics, Basin Analysis, (Detrital) Geo-/Thermo-chronology, Geochemistry

Education

2023-Ongoing	University of Connecticut (UConn), Department of Earth Sciences, Storrs (CT), USA Geology, Ph.D. C.GPA: 3.93/4.00 (Expected graduation in Summer, 2027)
2021-2023	Auburn University (AU), Department of Geosciences, Auburn (AL), USA Geology, M.Sc. C.GPA: 4.00/4.00 <u>Thesis:</u> Petrogenesis and Tectonic Implications of Almond Trondhjemite of Southern Appalachians in Alabama
2019-2020	China University of Geosciences Wuhan, Wuhan, CN Geology, not finished (Obstructed by COVID-19 Pandemic)
2012-2019	Middle East Technical University (METU), Dpt. of Geological Engineering, Ankara, TUR Geological Engineering, B.Sc. C.GPA: 3.12/4.00 (3.70/4.00 in department courses) <u>Graduation Project:</u> Economic Evaluation of Granny Smith Gold Deposit, W. Australia

Publications

Papers

- Meng, J., Kusky, T. M., Bozkurt, E., Deng, H., & **Sinoplu, O.** (2024). Partitioning Anatolian Kinematics into Tectonic Escape and Slab Rollback Dominated Domains. *Journal of Earth Science*, 1-11. <https://doi.org/10.1007/s12583-023-1906-3>.
- Meng, J., **Sinoplu, O.**, Zhou, Z., Tokay, B., Kusky, T., Bozkurt, E., & Wang, L. (2021). Greece and Turkey Shaken by African tectonic retreat. *Scientific Reports*, 11(1), 1-10. <https://doi.org/10.1038/s41598-021-86063-y>.

Conference Abstracts

- Sinoplu, O.**, Biddle, J., Edgington, T., Fosdick, J., Milanesio, D., Mota, A., Armas, P., Otamendi, J., Peterman, E., Palmero, L. (2024). Comparative appraisal of detrital monazite-zircon U-Th-Pb age spectra in Paganzo Basin (Argentina): A step towards single grain double dating of monazite for basin analysis. Geological Society of America Abstracts with Programs. Vol. 56, No. 5, 2024.
- Biddle, J., **Sinoplu, O.**, Fosdick, J., Milanesio, D., Otamendi, J., Peterman, E., Cortyna, C. (2024). Thermal history and exhumation of the Western Gondwanan Famatinian orogen, Sierras Pampeanas, Argentina: a multi-geo-thermochronometric approach. Geological Society of America Abstracts with Programs. Vol. 56, No. 5, 2024.

Sinoplu, O., Zou, H. (2022). Petrogenesis of Almond Trondhjemite and Its Implications in Southern Appalachian Tectonics. 2022 Fall Meeting, AGU in Chicago, IL, 12-16 December 2022.

Sinoplu, O., Meng, J., Kusky, T., Bozkurt, E. (2022). Structural Analysis of Cameli Basin in the Context of Fethiye Burdur Fault Zone, SW Anatolia 2022 Fall Meeting, AGU in Chicago, IL, 12-16 December 2022.

Meng, J., Kusky, T., Bozkurt, E., **Sinoplu, O.** (2022). A new perspective on Anatolian Kinematics. Geological Society of America, Abstracts with Programs. Vol 54, No. 5, 2022.

Meng, J., **Sinoplu, O.**, Zhou, Z., Tokay, B., Kusky, T., Bozkurt, E., and Wang, L. (2021). Unusual Mw 7.0 Extensional Aegean Earthquake Related to African Slab Rollback and Formation of Extensional Plate Boundary in Anatolia, EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-8366.

Notable Experiences

- 2022 AAPG Imperial Barrel Award with AU Team
2 Months | Seismic interpretation on IHS Kingdom, regional geology, figure preparation.
- 2019 Economic Evaluation of Granny Smith Gold Deposit, W. Australia (BSc. graduation project)
3 Months | 3D geological and ore body modelling using LeapFrog GEO and borehole data, resource estimation and economic analysis for various alternative scenarios (Equivalent of B.Sc. Thesis).
- 2018 Brownfield Exploration in Hod Maden Gold Deposit, NE. Anatolia
1 Month | Geological and geotechnical drillcore logging (>1 km), gold assay sample selection from drillcores, rock sample collection in the field.
- 2017 Paleomagnetism Measurements in Utrecht University Fort Hoofddijk
5 Months | Sample preparation, AMS, AF and Thermal Demagnetization for “Post Oligocene Evolution of N-W Himalayan front, Potwar Plateau and Salt Range (Pakistan)”.
- 2017 Brownfield Exploration in Efemcukuru Gold Deposit, W. Anatolia
2 Months | Field mapping and rock sample collection, underground gallery wall mapping and sample collection, geological and geotechnical drillcore logging (>1,5 km), gold assay sample selection from drill-cores, surface and underground drill planning.
- 2016 EAGE Field Challenge with METU Team
2 Months | Seismic interpretation on IHS Kingdom, regional geology, figure preparation.

Grants

- 2024 GSA Graduate Research Grant
\$2500
- 2022 Auburn University Geosciences Advisory Board Research Grant
\$640
Auburn University Geosciences Advisory Board Travel Grant
\$250

Software Skills

QGIS, ArcGIS, Global Mapper, Python, R, IHS Kingdom, Microsoft Office, Adobe Illustrator

Professional Memberships

- Active American Geophysical Union, Geological Society of America, Sigma Gamma Epsilon (SGE), AAPG, Sigma Xi
- Past Society of Economic Geologists, Turkish Association of Economic Geologists, Turkish Chamber of Geological Engineers