

## I. Dogancan Yasar, Ph.D. - Curriculum Vitae

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### EDUCATION

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December 2023- August 2020	<b>Auburn University [AU]</b> <b>Department of Geosciences</b> <b>Doctor of Philosophy [Ph.D.]</b> <b>Research Area:</b> Geochronology, Geochemistry and Tectonics <b>Applications:</b> Ar-Ar Geochronology, Zircon & Rutile Petrochronology, Sr-Nd-Pb Isotope Geochemistry, Whole-Rock Geochemistry, Mineral Geochemistry <b>Dissertation Title:</b> Tectonic evolution of Paleozoic orogenic events <b>CGPA:</b> 3.88/4.00	<b>Auburn, AL, USA</b>
July 2020- September 2018	<b>Middle East Technical University [METU]</b> <b>Department of Geological Engineering</b> <b>Master of Science [M.Sc.]</b> [English Instruction] <b>Research Area:</b> Geochronology, Geochemistry and Tectonics <b>Applications:</b> Whole-Rock Geochemistry, Zircon Petrochronology <b>Thesis Title:</b> Petrogenesis and ages of the amphibolites within the Sogut Metamorphics, Central Sakarya Terrane (NW Eskisehir, Turkey) <b>CGPA:</b> 3.93/4.00	<b>Ankara, Turkey</b>
June 2018- September 2010	<b>Middle East Technical University [METU]</b> <b>Department of Geological Engineering</b> <b>Bachelor of Science [B.Sc.]</b> [English Instruction] <b>CGPA:</b> 2.79/4.00	<b>Ankara, Turkey</b>
June 2010- September 2006	<b>TED Ankara College Foundation Private High School</b> <b>Physical Sciences</b> [English Instruction]	<b>Ankara, Turkey</b>

### EXPERIENCE

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#### ACADEMIC

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Present- February 2024	<b>University of Florida [UF]</b> <b>Department of Geological Sciences</b> <b>Research Scientist (Full)</b> [Full-Time] Ar-Ar Geochronology Laboratory Co-PI and overseeing the SEM-XRD-XRF and Sample Preparation Laboratories. Co-teaching the Instrumental Methods (GLY6932) class, offered every semester. Mentoring Graduate Students.	<b>Gainesville, FL, USA</b>
December 2023- August 2020	<b>Auburn University [AU]</b> <b>Department of Geosciences</b> <b>Graduate Teaching Assistant</b> [Full-Time] Assisted students on <ul style="list-style-type: none"><li>• <b>Dynamic Earth</b> [GEOL1100]</li><li>• <b>Honors Dynamic Earth</b> [ GEOL1107]</li><li>• <b>Igneous and Metamorphic Petrology</b> [GEOL2050]</li><li>• <b>Mineralogy and Optical Crystallography</b> [GEOL2010]</li></ul> courses, particularly recognition of rocks via hand-specimen and laboratory [thin-section examination] studies. Held the <i>Head GTA</i> position for GEOL1100 during the 2021 & 2023 Fall Semesters. Substituted the instructors for lecture hours when needed. <i>Laboratory Coordinator</i> for GEOL1100 (28 sections) during the 2023 Fall Semester.	<b>Auburn, AL, USA</b>

December 2019-  
November 2016

**Middle East Technical University [METU]**  
**Department of Geological Engineering**  
**Teaching Assistant** [Part-Time]  
Assisted students on

- **Mineralogy** [5640213]
- **Petrography** [5640210]
- **Principles of Mineralogy and Petrography** [5640207]
- **Igneous and Metamorphic Petrology** [5640304]
- **Field Geological Mapping** [5640327]

courses, particularly recognition of rocks and geological structures in field excursions, hand-specimen and laboratory [thin-section examination] studies.

## INDUSTRIAL

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October 2017-  
August 2017

**Esan Eczacıbaşı Industrial Raw Materials Industry and Trade Inc.**  
**Exploration Directorate**  
**Exploration Geologist** [Intern]  
Carried out drill hole core examinations [Geotechnical Logging, Lithological Logging and Sampling] in the largest Pb-Zn mine plant in Turkey, located in Balya, Balıkesir. Completed core sampling of a drill hole in Bergama, İzmir. Conducted soil sampling and magnetic survey of a brown field exploration project in the Aegean province.

October 2016-  
August 2016

**ONUR Construction Transportation and Trade Limited Company**  
**Quality Control Department**  
**Geological Engineer** [Intern]  
Conducted quality experiments on aggregates and bitumen that will be used at asphalt mixture design for the project Ankara-Polatlı-Sivrihisar State Road [Section 1] Km: 14+651-82+341.

## VOLUNTARY

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October 2021-  
October 2016

**Society of Economic Geologists, Inc. [SEG]**  
**Middle East Technical University [METU] Student Chapter**

- **Foundation Member of Executive Committee** [October 2021-October 2020]
- **President of Executive Committee** [October 2020-October 2019]
- **Member-at-Large of Executive Committee** [October 2019-October 2018]
- **President of Executive Committee** [October 2018-October 2017]
- **Vice President of Executive Committee** [October 2017-October 2016]
  - Organized several seminars on economic geology given by both academicians and eminent geologists from the industry.
  - Organized field trips to operating mines in Western Turkey [Efeçukuru and Kışladağ Gold Mines operated by Eldorado Gold (September 2017)], Biga Peninsula [Balya Pb-Zn Mine operated by Eczacıbaşı ESAN and Kestanelik Gold Mine operated by TUMAD Mining Inc. (September 2018)] and Eastern Turkey [Fe Skarn Mine operated by Çiftay Mining and Bakırtepe Gold Mine operated by Demir Export (September 2019)].

## PUBLICATIONS

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Bristol K.E., Sprain, C.J., Meert, J.G., **Yasar, I.D.**, Pandit, M.K., Sinha, A.K., Dann, A.B., 2025, Absolute Paleointensity Estimates from Precambrian India and the Long-Term Thermal Evolution of the Earth. *Geophysical Journal International*.

**Yasar, I.D.**, Sayit, K., Miller, B.V., Hames, W.E., Koralay, O.E., Jeong, Y.J., and Goncuoglu, M.C., 2024, Multistage Tectonic Record of the Central Sakarya Terrane Basement (NW Turkey): Implications for the Paleozoic Evolution of Rheic Ocean and Northern Gondwanan Margin. *Geological Society of America Bulletin*.

**Yasar, I.D.**, Miller, B.V., and Hames, W.E., 2024, Silurian Ocean Island Basalt Magmatism and Devonian-Carboniferous Polymetamorphism: 100 million years in the Western Blue Ridge, USA: *Geological Society of America Bulletin*.

## MANUSCRIPTS IN PREPARATION

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**Yasar, I.D.**, Kamenov, G., Zou, H., Miller, B.V., and Hames, W.E. Petrogenesis and Thermal Evolution of the Granite Harbor Intrusives, Central Transantarctic Mountains, Antarctica: Insights on the Ross Orogeny. *In preparation for submission to Geological Society of America Bulletin*.

**Yasar, I.D.**, Sayit, K., Koralay, O.E., Jeong, Y.J., and Goncuoglu, M.C. Tectonic Window within the Central Sakarya Terrane Basement: Petrogenesis of a Cretaceous Neotethyan Intra Oceanic Arc. *In preparation for submission to Geochemistry (Chemie der Erde)*.

Aktag, A., Sayit, K., Peters, B.J, **Yasar, I.D.**, Hames, W.E., Sancar, T. Mid-Miocene Asthenospheric Melt Ascent through Translithoperic Fault System, East-Central Anatolia. *In preparation for submission to Lithos*.

Kwafo, S., **Yasar, I.D.**, Meert, J., Kamenov, G., Pandit, M.K., Sinha, A.K. Geochronology of the Bundelkhand and Surrounding Basins: Age distribution from the Betwa River – Orchha Basin. *In preparation for submission to Gondwana Research*.

<sup>†</sup>Davis, Z.T., **Yasar, I.D.**, Kamenov, G., Sayit, K., Miller, B.V., Koralay O.E., Billor, Z., Multi-method dating of Ore Deposits: A case study from the Tetyhan Metalogenic Belt. *In preparation for submission to Ore Geology Reviews*.

## CONFERENCE ABSTRACTS

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Kwafo, S., Meert, J., Kamenov, G., **Yasar, I.D.**, Pandit, M.K., Sinha, A.K., 2024, Sands of Time: Investigating the Bundelkhand Craton from detrital zircons in the Betwa River, *GSA Abstracts with Programs*, 56(5).

**Yasar, I.D.**, Miller, B.V., and Hames, W.E., 2024, The Marble Hill Hornblende Schist Amphibolite: The key to the Paleozoic evolution of the Western Blue Ridge, *GSA Abstracts with Programs*, 56(2).

\*Swartz, J., **Yasar, I.D.**, Sayit, K., Billor, M.Z., Zou, H., Hames, W.E., 2024, Sample Suitability Assessment and Preparation for Geochronological and Geochemical Analysis, *GSA Abstracts with Programs*, 56(2).

**Yasar, I.D.**, Zou, H., Miller, B.V., and Hames, W.E., 2023, Geochemistry and Thermochronology of Granitoid Magmatism During the Ross Orogeny, Central Transantarctic Mountains (CTAM), *GSA Abstracts with Programs*, 55(6).

**Yasar, I.D.**, Sayit, K., Miller, B.V., Hames, W.E., Koralay, O.E., Jeong, Y.J., and Goncuoglu, M.C., 2023, Paleozoic Evolution of the Central Sakarya Terrane: Timing of Magmatism and Metamorphism, *GSA Abstracts with Programs*, 55(6).

**Yasar, I.D.**, Miller, B.V., and Hames, W.E., 2023, Polymetamorphic evolution of the Western Blue Ridge Terrane through Acadian and Alleghanian orogenies, *GSA Abstracts with Programs*, 55(2).

**Yasar, I.D.**, Miller, B.V., and Hames, W.E., 2022, Mid-Silurian OIB-like magmatism prior to the Late-Carboniferous Amphibolite Facies Metamorphism during Alleghanian Orogeny recorded in the Western Blue Ridge Terrane (Tate, GA, USA), *AGU Fall Meeting*.

**Yasar, I.D.**, Sayit, K., Hames, W.E., Koralay, O.E., Jeong, Y.J., and Goncuoglu, M.C., 2021, Overview of the tectonic evolution of the Sogut Metamorphics, Variscan basement assemblage of the Central Sakarya Terrane (NW Eskisehir, Turkey), *GSA Abstracts with Programs*, 53(6).

**Yasar, I.D.**, Parsons, K.W. and Hames, W.E., 2021, Revisiting the Miller and Geologists Ranges, Central Transantarctic Mountains: Single-crystal <sup>40</sup>Ar/<sup>39</sup>Ar ages and their implications, *GSA Abstracts with Programs*, 52(6).

**Yasar, I.D.**, Sayit, K. and Goncuoglu, M.C., 2019, Mafic and ultramafic rocks within the Söğüt Metamorphics of the Sakarya Composite Terrane, NW Eskişehir, Turkey: Preliminary field and petrological findings, *International Earth Science Colloquium on the Aegean Region Abstracts*, 13.

**Yasar, I.D.**, Sayit, K., 2018, Petrographic Characterization and Provenance of a White Archaeological Stone, *71<sup>st</sup> Geological Congress of Turkey Abstracts*, 341-342.

<sup>†</sup>Current Ph.D. Student.

\*Mentored undergraduate student.

## INVITED SEMINARS

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Paleozoic Polymetamorphism of the Western Blue Ridge. Seminar presented at Department of Earth Sciences, University of Connecticut, November 15, 2024.

The Dance of Geochronology and Geochemistry: Deciphering Tectonic Processes & Vision for the Future. Seminar presented at Department of Geological Sciences, University of Florida, November 14, 2023.

The Dance of Geochronology and Geochemistry: Deciphering Tectonic Processes & Vision for the Future. Seminar presented at New Mexico Bureau of Geology, The New Mexico Institute of Mining and Technology, June 1, 2023.

## SERVICE

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### GRADUATE STUDENT COMMITTEES

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Zachary Davis – University of Florida, PhD Student – Chair  
Samuel Kwafo – University of Florida, PhD Student – Member  
Megan Williams – University of Florida, MSc Student – Member  
Mackenzie Benton – Auburn University, MSc Student – Member

### DEPARTMENTAL COMMITTEES

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Environmental and Safety Committee, Department of Geological Sciences, University of Florida

## GRANTS

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### RESEARCH

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- GSA SE Section Graduate Research Grant (2022) Project Title: Testing the zipper hypothesis for Alleghanian and Variscan Orogenies, Amount: \$2000 [PhD]
- AU Geosciences GAB Research Grant (2022) Project Title: Testing the zipper hypothesis for Alleghanian and Variscan Orogenies, Amount: \$640 [PhD]
- AU Geosciences GAB Research Grant (2021) Project Title: Thermal History of the Ross Orogen, Southern and Central Transantarctic Mountains, Amount: \$660 [PhD]
- GSA SE Section Graduate Research Grant (2021) Project Title: Thermal History of the Ross Orogen, Southern and Central Transantarctic Mountains, Amount: \$1500 [PhD]
- METU AdimODTÜ Undergraduate Research Grant (2018) Project Title: Determination of Provenance of a White Archaeological Stone using Petrography, Whole-Rock and Sr Isotope Geochemistry, Amount: 515 TL [BSc]

### TRAVEL

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- AU Geosciences GAB Student Travel Grant (2023) for GSA Connects, Amount: \$500 [PhD]
- AU COSAM Graduate Student Travel Award (2023) for SEGSA/NEGSA Joint Meeting, Amount: \$500 [PhD]
- AU Graduate Student Council Travel Fellowship (2023) for SEGSA/NEGSA Joint Meeting, Amount: \$400 [PhD]
- AU Geosciences GAB Student Travel Grant (2023) for SEGSA/NEGSA Joint Meeting, Amount: \$250 [PhD]
- AU Geosciences GAB Student Travel Grant (2022) for AGU Fall Meeting, Amount: \$250 [PhD]
- GSA SE Section Travel Grant (2021) for GSA Connects, Amount: \$198 [PhD]
- AU COSAM Graduate Student Travel Award (2021) for GSA Connects, Amount: \$400 [PhD]
- AU Geosciences GAB Student Travel Grant (2021) for GSA Connects, Amount: \$460 [PhD]

## HONORS

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- AU Outstanding Doctoral Student Award (2023) [PhD]
- AU Charles Savrda Outstanding Graduate Student Award (2022) [PhD]
- METU Graduate Course Performance Award (2020) [MSc]
- METU Honor Student in 2018 Spring Semester [BSc]
- METU Honor Student in 2015 Fall Semester [BSc]

## CERTIFICATES & TRAINING

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### SHORT COURSE

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- *Detrital Geochronology and Thermochronology*, January 18<sup>th</sup> - February 3<sup>rd</sup>, 2021  
**Instructors:** Dr. Igor M. Villa, Dr. Marco G. Malusa, Dr. Georgina King and Dr. Massimiliano Zattin
- *Principles and Applications of Fission Track and (U-Th)/He Thermochronology*, April 23<sup>rd</sup>, 2019  
**Instructors:** Dr. Andrew J.W. Gleadow and Dr. Kip Hodges

### WORKSHOP

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- *Positive Mental Health in the Geosciences*, October 19<sup>th</sup>, 2023.  
**Instructors:** Dr. Cailin Huyck Orr and Dr. Rory McFadden
- *Methods and Geological Applications in Geo-Thermo-Petro-Chronology*, October 13-14<sup>th</sup>, 2023  
**Instructors:** Dr. Mauricio Ibanez-Mejia, Dr. Allen Schaen, Dr. Kurt Sundell, Dr. Kendra Murray, Dr. Sarah George, Dr. Michelle Foley, Dr. Clay Campbell
- *Mobile Summer Institute on Scientific Teaching*, July 10-14<sup>th</sup>, 2023  
**Instructors:** Dr. Melissa Michael and Dr. Debra Pires
- *Phase Equilibrium Modelling: Approaches and Pitfalls*, May 10-14<sup>th</sup>, 2021  
**Instructors:** Dr. Dave Pattison, Dr. Jacob Forshaw, Dr. Pierre Lanari, Dr. Dave Waters, Dr. Mark Caddick and Dr. Doug Tinkham
- *Structural Geology and Global Tectonics: Links to Lithosphere Evolution and Mantle Geodynamics*, April 24-26<sup>th</sup>, 2019

### SOFTWARE

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- ArcGIS 1: Introduction to GIS and ArcGIS 2: Essential Workflows [June 2019]
- v.15 MapInfo Professional [February 2016]
- Encom Discover & Discover 3D [February 2016]

**ESRI Turkey**  
**Basarsoft\***  
**Basarsoft\***

\*Official Representative of MapInfo in Turkey.

### MEMBERSHIPS

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- Geological Society of America [GSA]
- Geochemical Society
- American Geophysical Union [AGU]
- Society of Economic Geologists, Inc. [SEG]
- European Geosciences Union [EGU]
- Sigma-Gamma-Epsilon Chapter, Department of Geosciences, Auburn University [SGE]
- METU Alumni Association
- TED Ankara College Alumni Society