

ELIZABETH JACQUELINE CATLOS

Curriculum vitae
Associate Professor

[Department website](#) • [Research and Teaching website](#)

The University of Texas at Austin • Jackson School of Geosciences • Dept. Earth and Planetary Sciences
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RESEARCH INTERESTS

Developing and applying geochemical and geochronological techniques to the study of lithosphere dynamics. Investigating metamorphic processes, including advances in understanding mineral equilibria to estimate environmental conditions during dynamic recrystallization. Applying accessory mineral geochronology to broad questions about Earth's history. Developing and applying models for heat, mass, and fluid flow along fault systems.

EDUCATION

2000	Ph.D.	University of California Los Angeles (UCLA)	Geochemistry
		<i>Ph.D. Committee: Drs. Mark Harrison (Chair), Craig E. Manning, Laurence Smith, An Yin</i>	
		<i>Title: Geochronologic and Thermobarometric Constraints on the Evolution of the Main Central Thrust, Himalayan Orogen</i>	
1999	Phil Cand	UCLA	Geochemistry
1994	B.Sc.	University of California, San Diego	Chemistry w/ Spec. Earth Science

PROFESSIONAL APPOINTMENTS

2008-	Associate Professor	Dept. Earth and Planetary Sciences (EPS) Jackson School of Geosciences (JSG) The University of Texas at Austin (UT Austin)
2020-	Affiliate Faculty	Center for Planetary Systems Habitability, UT Austin
2019-	Affiliate Faculty	Center for Russian & Eastern European Studies UT Austin
2001-08	Assistant-Associate Prof.	School of Geology, Oklahoma State University (OSU)
2001 (01-08)	Postdoctoral research	UCLA-Smithsonian Museum of Natural History Dept. Mineral Sciences
		<i>Postdoctoral Mentor: Dr. Sorena Sorensen</i>

VISITING APPOINTMENTS

Summer 2022	Online Professor for "The Dynamic Earth" online introductory geology course	Soochow University International Programs, Taiwan
Winter 2023	Max Kade Distinguished Visiting Professor	Universität Heidelberg, Institut für Geowissenschaften, Germany
Fall 2017	Visiting Professor	Dept. of Earth and Space Sciences, UCLA, USA
Summer 2015	Visiting Researcher	Fulbright Program, Middle East Technical University, Ankara, Turkey
2008-09	Senior Lecturer	
2007-08	Donald D. Harrington Fellow Visiting Faculty	EPS, UT Austin, USA

FELLOWSHIPS AND AWARDS

Research		
2017	Max Kade Distinguished Visiting Professorship	Universität Heidelberg, Institut für Geowissenschaften, Germany
2013	Notable Paper	American Mineralogist, https://doi.org/10.2138/am.2013.4336
2008-09	Fulbright Lecturing Award	Middle East Technical University, Turkey
2007	Fellow	Geological Society of America
2007	Young Innovator	Smithsonian Magazine
2007-08	Donald D. Harrington Fellowship	UT Austin
2006	Young Scientist Award (Donath Medal)	Geological Society of America
2000	Fellow	Institute of Geophysics and Planetary Physics, UCLA
1997	Predocotrinal Fellowship	Smithsonian Institution
1994	Undergrad. Summer Research Fellowship	NASA
Teaching		
2023	Carolyn G. and G. Moses Knebel Teaching Award for Introductory Course (Geology of National Parks)	
2019-21	UT Austin Experiential Learning Ambassador based on distinguished accomplishments in teaching, mentoring, and service to the UT Austin community	
2015	Carolyn G. and G. Moses Knebel Teaching Award for Introductory Course (Introductory Geology)	
2011	UT Austin Texas Exes Teaching Award (Earth Materials)	
Service		
2021-24	Selected as a mentor for the JSG NSF-funded Champions of Diversity Program	
2013-17	Elected Councilor for the Geological Society of America	
2017	JSG Outstanding Service Award: Female Faculty as a teamwork towards improving the workplace environment	
2015	Outstanding Reviewer for Earth and Planetary Science Letters, Elsevier	
2006	Oklahoma State University College of Arts and Sciences Junior Faculty Award	
2006	Outstanding Reviewer for the Geological Society of America Bulletin	

RESEARCH PROJECTS

Sponsored Research Funding –Serves as PI/co-PI/co-I		
06/1/15 – 07/31/21	National Science Foundation, International (1460050). PI: E.J. Catlos, co-PIs: B. Elliott (UT Austin, Bureau of Economic Geology, BEG), R. Kyle (UT Austin, JSG, Dept. EPS) <i>International: Research Experiences for Students: Closing Oceans: Assessing the Dynamics of Turkish suture zones</i> Primary role in organization and development.	Amount \$250,000.
01/01/15 – 12/31/18	TUBITAK (Turkish Research Council) (114Y055T). PI: Tolga Oyman (Dokuz Eylül Üniversitesi, Turkey), co-PIs: E.J. Catlos, Melanie Kaliwoda (Ludwig-Maximilians-Universität München, Germany) <i>Link Between Mineralization in Magmatic-Hydrothermal Systems associated with Granitoid Intrusions in NE of Yenice (Çanakkale, Biga Peninsula).</i> Consultation role.	Amount 300,008YTL.
01/01/08 – 12/31/12	National Science Foundation, International (0728519). PI: E.J. Catlos, co-PIs: I. Çemen (OSU, presently at Univ. Alabama), E. Atekwana (OSU, presently at UC Davis).	Amount \$150,000.

	<i>International: Research Opportunities in Extensional Dynamics for US Undergraduate and Graduate Geosciences Students in Western Turkey</i>	
	Primary role in organization and development.	
02/01/05 – 01/31/08	National Science Foundation, Tectonics (0440169). PI: E.J. Catlos, co-PIs: I. Çemen (OSU), M. Kohn (Boise State University). <i>Collaborative Research: Extensional Unroofing of the Central Mendere Metamorphic Complex, Southwestern Turkey.</i>	Amount: \$216,917.
	Primary role in organization and development.	
8/1/02 – 8/31/05	National Science Foundation, International (Standard Grant). PI E.J. Catlos, co-PI: R. Marston (OSU, presently at Kansas State University). <i>Investigation of Activity along the Himalayan Main Central Thrust: Present Geomorphology and Past Slip, Garhwal, NW India.</i>	Amount: \$36,000.
	Primary role in organization and development.	
6/1/02 – 5/31/05	National Science Foundation, Astronomy (0138942). PI: R. Marston, co-PI: E.J. Catlos. <i>Subcontract from New Frontiers-Research Experience for Undergraduates in the Space and Planetary Sciences</i>	Amount: \$70,770.
	Primary role in student supervision and minor role in organization and development.	

Sponsored Research Funding –Serves as Key Personnel Role

11/18/18– 10/30/23	European Union Programme Horizon 2020 MSCA-RISE #823934. PI: Alessio di Iorio, Alma Sistemi Srl (Italy); with co-PIs and collaborators at Cyprus Space Exploration Organisation, Università degli Studi “Gabriele D’Annunzio” (Italy); Università degli Studi di Sassari (Sardina, Italy); Universidad Complutense Madrid (Spain); Space System Solutions (Cyprus); Sensia Solutions (Spain) <i>Project IN-TIME: Developing a Luminescence Instrument for Geochronology on Mars.</i>	Amount \$15,000.
	U.S. partner collaborator. Organized a conference at UT Austin regarding Martian geochronology, participated in project discussions and provided lectures at international conferences regarding research in planetary habitability.	

Internal Research Funding (UT Austin) – Serves as PI/co-PI/Co-I

2023	UT Libraries Map and Geospatial Collections Explorer Fellowship PI: E.J. Catlos <i>Exploring Himalayan Lineaments in ArcGIS to Improve Hazard Mapping</i>	Amount \$1,500
	Developing an open access ArcGIS map of Himalayan lineaments	
2023	JSG Equipment Matching Program. PI: E.J. Catlos, co-PIs R. Kyle, K. Milliken (UT Austin, JSG) <i>Funds for the Repair of the Dept. of Earth and Planetary Sciences X-ray Diffraction Instrument.</i>	Amount \$1,545.
	Repaired and upgraded the EPS Dept. XRD system, which is of use for several student and researcher projects in the electron microbeam facility.	
2020	Vice President for Research (VPR) Office, Special Research Grant. PI: E.J. Catlos <i>Vertebrate Lies; Arthropods were the First Land Animals.</i>	Amount \$1,000.
	Provided funding for geochronological analyses.	
2019	Faculty Innovation Center, Faculty DIY Award PI: E.J. Catlos <i>Creating Videos on Site (at a dig in the UK) for an Introductory Geology Course.</i>	Amount \$500.
	Provided funding for a GoPro to take videos in the field for Virtual Field Trips.	

2018-19	Center for Teaching and Learning, Faculty Innovation Grant PI: E.J. Catlos <i>Incorporating Electron Microbeam Technology into Geosciences Undergraduate Education.</i> Provided funding for experiential learning for UT Austin students in the EPS Electron Microbeam facility who were taking GEO416K: Earth Materials.	Amount \$9,100.
2018-19	Texas Global, Global Classrooms Curriculum Integration Grant. PI: E.J. Catlos, co-PI Axel Schmitt, Universität Heidelberg, Institut für Geowissenschaften, Germany <i>Integrating the Analysis of Silver Ore from a German Mine into the Education of Students in GEO416K: Earth Materials</i> Provided funding for international opportunities for learning for UT Austin students who were taking GEO416K: Earth Materials.	Amount \$6,500.
2017	JSG Equipment Matching Program. PI: J. Maner, co-PIs E.J. Catlos, J. Gardner (UT Austin, EPS) <i>A Request for Cost-Sharing Financial Support for the Electron Microbeam Laboratory</i> Repaired and upgraded the EPS Electron Microprobe and Scanning Electron Microscope systems, which are of use for several student and researcher projects in the electron microbeam facility.	Amount \$5,773.
2017	JSG Equipment Matching Program. PI: EJ Catlos, co-PI: D. Zhao, J. Gardner, Behr, W. <i>Request for Funds for the Dept. Geological Sciences Electron Microbeam Facility Service Agreements</i> Provided funds for service agreements on instruments in the electron microbeam facility.	Amount \$22,600.
2014	UT Austin, JSG Seed Grant PI: E.J. Catlos, coPI: P. Eichhubl (Bureau of Economic Geology, JSG, UT Austin) <i>Ion Microprobe Stable Isotope Analyses of Fracture-filling Cement—Implications for Basin Structural and Pore Fluid Evolution in Unconventional Oil and Gas Reservoirs.</i> Provided funding for stable isotopic analyses of calcite cements using a large-radius ion microprobe for preliminary data for a proposal. Supported students and generated data for a paper and proposal.	Amount \$20,173.
2014	JSG Equipment Matching Program. PI: E.J. Catlos, co-PIs: R. Kyle, K. Milliken, R. Martindale, C. Kerans, D. Breecker, T. Quinn (UT Austin, JSG) <i>Funds for the Repair of the Dept. of Geological Sciences Bench-Top Cathodoluminescence (CL) System</i> Repaired and upgraded the EPS Dept. CL system, which is of use for several student and researcher projects in the electron microbeam facility.	Amount \$11,387.
2012	JSG Equipment Matching Program. PI: E.J. Catlos, co-PIs R. Kyle, K. Milliken (UT Austin, JSG) <i>Funds for the Repair of the Dept. of Geological Sciences Bench-Top Cathodoluminescence System.</i> Repaired and upgraded the EPS Dept. CL system, which is of use for several student and researcher projects in the electron microbeam facility.	Amount \$6,718.
Student Funding External Research Awards, Mentorship Role		
2023	Geological Society of America (GSA), Charles A. & June R.P. Ross Research Grant Graduate student (Ph.D.) Hector Garza Applied towards the Ph.D. research.	Amount \$2,652.

2022	GSA, Student Research Grant Award Graduate student (Ph.D.) Hector Garza Applied towards the Ph.D. research.	Amount \$2,500.
2019	GSA South-Central Section Undergraduate Research Grant Gabriel Villaseñor	Amount: \$300.
2016	GSA South-Central Section Undergraduate Research Grant Kimberly Aguilera	Amount: \$500.
2015	GSA South-Central Section Undergraduate Research Grant Stephanie Suarez	Amount: \$50
2015	GSA South-Central Section Undergraduate Research Grant Daniel Lizzardo-McPherson	Amount: \$300.
2014	American Institute of Professional Geologists (AIPG) fellowship award Colin Sturrock	Amount: \$1000.
2011	Houston Geological Society Undergraduate Scholarship Foundation Award Pamela Speciale	Amount: \$2000.

Student Funding Internal Research Awards, Mentorship Role

2022-23	Champions of Diversity program; Geosciences Empowerment Network Undergraduate Llewnosuke Priimak <i>Perspectives on the Development of the Himalayas</i>	Amount \$5,100.
2022-23	Center for Eastern European Studies, Professional Development Award Graduate student Daniel Campos (M.S) Provides for conference travel	Amount: \$750.
2021-22	Center for Eastern European Studies, Professional Development Award Graduate student Daniel Campos (M.S) Provides for conference travel and research	Amount: \$500.
2021	Center for Planetary Systems Habitability Graduate student (Ph.D.) Hector Garza Support for one semester, travel, and research	Amount \$28,958.50.
2019-20	Center for Eastern European Studies, Professional Development Award Graduate student Daniel Campos (M.S) Provides for research funding.	Amount: \$1,000.
2019-20	Undergraduate Research Fellowships (UT Austin-URF) with JSG match Undergraduate student Shania Goodwin <i>Dating silver ore from the Anna-Elisabeth Mine, Schriesheim, Germany.</i>	Amount: \$2,000.
2019	UT Austin-URF with JSG match Undergraduate Gabriel Villaseñor <i>Using Geochemistry and Geochronology to Understand the Nature of an Ancient Ocean (Eastern Europe, Slovakia)</i>	Amount: \$1,500
2018	Office of Undergraduate Research 2018 Research or Conference Travel Scholarship Undergraduate Gabriel Villaseñor Undergraduate Theresa Perez	Amount: \$350. Amount: \$350.
2018	Center for Eastern European Studies Professional Development Award Undergraduate Theresa Perez Undergraduate Thomas Quintero	Amount: \$800. Amount: \$800.
2018	UT Austin-URF with JSG match Undergraduate Theresa Perez <i>Burial and Exhumation Events in High Tatra Mountains, Slovakia</i>	Amount \$1,100.
2017	Texas Global, Global Research Fellowship Graduate Student Thomas Etzel (Ph.D.) Provided for travel and research funding.	Amount: \$5,000.
2016	UT Austin-URF with JSG match	

	Undergraduate Emily Pease	Amount \$1,940.
	<i>Timing Ocean Floor Obduction during Plate Collision in the Himalayas</i>	
2015	UT Austin-URF with JSG match	
	Undergraduate Colin Sturrock	Amount: \$2,000.
	<i>Fluids along the North Anatolian Fault, Niksar Basin, North Central Turkey: Insight from Stable Isotopic and Geochemical Analysis of Calcite Veins</i>	
2013	UT Austin-URF with JSG match	
	Undergraduate Bridget Pettit	Amount: \$2,000.
	<i>Understanding the Role of Strike-slip Faulting as Oceans Close (North Central Turkey)</i>	
	Undergraduate Colin Sturrock	Amount: \$2,000.
	<i>Stone Decay and Catastrophic Floods: Short-term Water Damage of Limestone Tiles</i>	
	Undergraduate Abby Kenigsberg	Amount: \$2,000.
	<i>Exploring the Potential of Tourmaline in the Evolution of the Himalayan Main Central Thrust</i>	
2012	UT Austin-URF with JSG match	
	Undergraduate Pamela Speciale	Amount: \$2,000.
	<i>The Relationship of ~6 Ma Zircons in the Beypazari granitoid pluton to the North Anatolian Fault, central Turkey</i>	
	Undergraduate Lindsey German	Amount: \$2,000.
	<i>Deciphering the Dynamics of the Simav Fault in Western Turkey</i>	
2011	UT Austin-URF with JSG match	Amount: \$2,000.
	Undergraduate Tim Shin	
	<i>An Investigation of Granitoid Plutons and Blueschist/Eclogite Pods from an Exhumed Subduction Zone in Sivrihisar, Turkey</i>	

PUBLICATIONS

Peer-Reviewed Journal and Book Articles

1. Catlos, E.J., Çemen, I. (2023). Chapter 1: When plates collide. In: Catlos, E.J., Çemen, I. (Eds.), *Compressional tectonics: Plate convergence to mountain building*, Volume 1, Geophysical Monograph 277, American Geophysical Union, John Wiley & Sons, Inc., 3-20. <https://doi.org/10.1002/9781119773856.ch1>
2. Catlos, E.J., Çemen, I. (2023). Chapter 4: A review of the dynamics of subduction zone initiation in the Aegean Region. Volume 1. *Compressional tectonics: Plate convergence to mountain building*. In: Catlos, E.J., Çemen, I. (Eds.), *Compressional Tectonics: Plate Convergence to Mountain Building*, Volume 1, Geophysical Monograph 277, American Geophysical Union, John Wiley & Sons, Inc., 87-117. <https://doi.org/10.1002/9781119773856.ch4>
3. Catlos, E.J. (2023). Chapter 6: Records of Himalayan metamorphism and contractional tectonics in the central Himalayas (Darondi Khola, Nepal). In: Catlos, E.J., Çemen, I. (Eds.), *Compressional tectonics: Plate convergence to mountain building*, Volume 1, Geophysical Monograph 277, American Geophysical Union, John Wiley & Sons, Inc., 155-201. <https://doi.org/10.1002/9781119773856.ch6>
4. Garza, H.K., Catlos, E.J., Chamberlain, K.R., Suarez, S.E., Brookfield, M.E., Stockli, D.F., Batchelor, R.A. (2023) How old is the Ordovician–Silurian boundary at Dob’s Linn, Scotland? Integrating LA-ICP-MS and CA-ID-TIMS U-Pb zircon dates. *Geological Magazine*, 160, 1775–1789. <https://doi.org/10.1017/S0016756823000717>
5. Catlos, E. J., Dubey, C. S., Etzel, T. M. (2022). Imbrication and erosional tectonics recorded by garnets in the Sikkim Himalayas. *Geosciences*, 12(4), 146. <https://doi.org/10.3390/geosciences12040146>
6. Catlos, E.J., Broska, I., Kohút, M., Etzel, T.M., Kyle, J.R., Stockli, D.F., Miggins, D.P., Campos, D. (2022). Geochronology, geochemistry, and geodynamic evolution of Tatric granites from

- crystallization to exhumation (Tatra Mountains, Western Carpathians). *Geologica Carpathica*, 73(6), 517-544. <https://doi.org/10.31577/GeolCarp.73.6.1>
7. Catlos, E.J., Etzel, T.M., Çemen, I. (2022). Extensional Tectonics in Western Anatolia, Turkey: Eastward continuation of the Aegean Extension. In: Catlos, E.J., Çemen, I. (Eds.), *Extensional tectonics: Continental breakup to formation of oceanic basins*, Volume 2, Geophysical Monograph 278, American Geophysical Union, John Wiley & Sons, Inc. <https://essopenarchive.org/doi/full/10.1002/essoar.10508671.1>
 8. Brookfield, M.E., Catlos, E.J., Suarez, S.E. (2022). Vertebrate lies; arthropods were the first land animals. *Geology Today (UK)*, 38(2), 65-68. <https://doi.org/10.1111/gto.12383>
 9. Etzel, T.M., Catlos, E.J. (2021). Garnet chemical zoning based thermobarometry: Method evaluation and applications in the Menderes Massif, Western Turkey. *Geosciences*, 11(12), 505. <https://doi.org/10.3390/geosciences11120505>
 10. Brookfield, M.E., Couto, H., Catlos, E.J., Schmitt, A.K. (2021). U-Pb SIMS zircon ages for Ordovician rocks, Valongo Anticline, northwestern Portugal. *Journal of Mediterranean Earth Sciences*, 13. <https://doi.org/10.13133/2280-6148/17274>
 11. Villaseñor, G., Catlos, E.J., Broska, I., Kohút, M., Hraško, L., Aguilera, K., Etzel, T.M., Kyle, J.R., Stockli, D.F. (2021). Evidence for widespread mid-Permian magmatic activity related to rifting following the Variscan orogeny (Western Carpathians). *Lithos*, 290-391, 106083. <https://doi.org/10.1016/j.lithos.2021.106083>
 12. Villaseñor, G., Catlos, E.J., Broska, I., Kohút, M., Hraško, L., Aguilera, K., Etzel, T.M., Kyle, J.R., Stockli, D.F. (2021). Western Carpathian mid-Permian magmatism: Petrographic, geochemical, and geochronological data. *Data-in-Brief*, 36, 107026. <https://doi.org/10.1016/j.dib.2021.107026>
 13. Catlos, E. J., Perez, T.J., Lovera, O.M., Dubey, C.S., Schmitt, A.K., Etzel, T.M. (2020). High-resolution P-T-Time paths across Himalayan faults exposed along the Bhagirathi transect NW India: Implications for the construction of the Himalayan orogen and ongoing deformation. *Geochemistry, Geophysics, Geosystems*, 21, e2020GC009353. <https://doi.org/10.1029/2020GC009353>
 14. Catlos, E.J., Mark, D.F., Suarez, S.E., Brookfield, M.E., Miller, C.G., Schmitt, A.K., Gallagher, V., Kelly, A. (2020). Late Silurian zircon U–Pb ages from the Ludlow and Downton bone beds, Welsh Basin, UK *Journal of the Geological Society*, 178, jgs2020-107. <https://doi.org/10.1144/jgs2020-107>
 15. Brookfield, M.E., Catlos, E.J., Suarez, S. (2020). Myriapod divergence times differ between molecular clock and fossil evidence: U/Pb zircon ages of the earliest fossil millipede-bearing sediments. *Historical Biology*, 33(10), 2014-2018. <https://doi.org/10.1080/08912963.2020.1762593>
 16. Etzel, T.M. Catlos, E.J., Çemen, I., Ozerdem, C., Oyman, T., Miggins, D. (2020). Documenting exhumation in the central and northern Menderes Massif (western Turkey): New insights from garnet-based P-T estimates and K-feldspar $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. *Lithosphere*, 1, 8818289. <https://doi.org/10.2113/2020/8818289>
 17. Catlos, E.J., Pease, E.C., Dygert, N., Brookfield, M., Schwarz, W.H., Bhutani, R., Pande, K., Schmitt, A. (2019). Nature, age and emplacement of the Spongtang ophiolite, Ladakh, NW India. *Journal of the Geological Society* 176 (2), 284-305. <https://doi.org/10.1144/jgs2018-085>
 18. Etzel, T.M., Catlos, E.J., Atakturk, K., Kelly, E.D., Lovera, O.M., Çemen, I., Diniz, E., Stockli, D. (2019). Implications for thrust-related shortening punctuated by extension from P-T paths and geochronology of garnet-bearing schists. *Tectonics* 38(6), 1974-1998. <https://doi.org/10.1029/2018TC005335>
 19. Catlos, E.J., Lovera, O.M., Kelly, E.D., Ashley, K.T., Harrison, T.M., Etzel, T.M. (2018). Modeling high-resolution Pressure-Temperature paths across the Himalayan Main Central Thrust (central Nepal): Implications for the dynamics of collision. *Tectonics*, 37, 2363-2388. <https://doi.org/10.1029/2018TC005144>
 20. Catlos, E.J., Miller, N.R. (2017). Speculations linking monazite compositions to origin: Llallagua tin ore deposit (Bolivia). For Special Issue Criticality of the Rare Earth Elements: Current and Future Sources and Recycling. *Resources*, 6(3), 36. <https://doi.org/10.3390/resources6030036>

21. Suarez, S.E., Brookfield, M., Catlos, E.J., Stockli, D. (2017). A U-Pb zircon age constraint on the oldest-recorded air-breathing land animal. *PLoS One* 12 (6), e0179262. <https://doi.org/10.1371/journal.pone.0179262>
22. Sturrock, C.P., Catlos, E.J., Miller, N.R., Akgun, A., Fall, A., Gabtov, R., Yilmaz, I.O, Larson, T., Black, K. (2017). Fluids along the North Anatolian Fault, Niksar Basin, north central Turkey: Insight from stable isotopic and geochemical analysis of calcite veins. *Journal of Structural Geology*, 101, 58-79. <https://doi.org/10.1016/j.jsg.2017.06.004>
23. Catlos, E.J., Miller, N.M. (2016). Ion microprobe ^{232}Th - ^{208}Pb ages from the high common Pb Amelia pegmatite monazite, Virginia: Implications for Alleghenian tectonics. *American Journal of Science*, 316, 470-503. <https://doi.org/10.2475/05.2016.03>
24. Catlos, E.J., Reyes, E., Brookfield, M., Stockli, D.F. (2016). Age and Emplacement of the Permian-Jurassic Menghai Batholith, Western Yunnan, China. *International Geology Review*, 59(8), 919-945. <https://doi.org/10.1080/00206814.2016.1237312>
25. Catlos, E.J., Friedrich, A.M., Lay, T., Elliott, J., Carena, S., Upreti, B.N., DeCelles, P., Tucker, B., Bendick, R. (2016). Nepal at Risk: Interdisciplinary Lessons Learned from the April 2015 Nepal (Gorkha) Earthquake and Future Concerns. *GSA Today*, 26(6) 42-43. <https://doi.org/10.1130/GSATG278GW.1>
26. Azizi, H., Najari, M., Asahara, Y., Catlos, E.J., Shimizu, M., Yamamoto, K. (2015). U-Pb zircon ages and geochemistry of Kangareh and Taghiabad mafic bodies in northern Sanandaj-Sirjan Zone, Iran: Evidence for intra-oceanic arc and back-arc tectonic regime in Late Jurassic. *Tectonophysics*, 660, 47-64. <https://doi.org/10.1016/j.tecto.2015.08.008>.
27. Speciale, P., Catlos, E.J., Yildiz, G.O., Shin, T.A., Black, K.N. (2014). Zircon ages of the Bey pazari granitoid pluton (north central Turkey): Tectonic implications. *Geodinamica Acta*, 25 (3-4), 162-182. <https://doi.org/10.1080/09853111.2013.858955>.
28. Catlos, E.J., Huber, K., Shin, T.A. (2013). Geochemistry and geochronology of meta-igneous rocks from the Tokat Massif, north-central Turkey: implications for Tethyan reconstructions. *International Journal of Earth Sciences*, 102, 2175-2198. <https://doi.org/10.1007/s00531-013-0918-0>
29. Shin, T.A., Catlos, E.J., Jacob, L., Black, K. (2013). Relationships between very high pressure subduction complex assemblages and intrusive granitoids in the Tavşanlı Zone, Sivrihisar Massif, central Anatolia. *Tectonophysics*, 595-596, 183-197. <https://doi.org/10.1016/j.tecto.2012.07.012>
30. Black, K.N., Catlos, E.J., Oyman, T. (2013). Timing Aegean extension: Evidence from in situ U-Pb geochronology and cathodoluminescence imaging of granitoids from NW. Turkey (Special Issue: Geodynamics and Magmatism). *Lithos*, 180-181, 92-108. <https://doi.org/10.1016/j.lithos.2013.09.001>
31. Catlos, E.J. (2013). Generalizations about monazite: Implications for geochronologic studies. *American Mineralogist*, 98, 819-832. <https://doi.org/10.2138/am.2013.4336>.
32. Catlos, E.J., Jacob, L., Oyman, T., Sorensen S.S. (2012). Long-term exhumation of an Aegean metamorphic core complex granitoids in the northern Menderes Massif, western Turkey. *American Journal of Science*, 312, 534-571. <https://doi.org/10.2475/05.2012.03>
33. Catlos, E.J., Baker, C., Sorensen, S.S., Jacob, L., Çemen, I. (2011). Linking microcracks and mineral zoning of detachment-exhumed granites to their tectonomagmatic history: Evidence from the Salihli and Turgutlu plutons in western Turkey (Menderes Massif), *Journal of Structural Geology*, 33, 951-969. <https://doi.org/10.1016/j.jsg.2011.02.005>
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35. Pease, E.C., Dygert, N., Catlos, E.J., Brookfield, M. (2017). New geochemical and thermochronologic constraints on the tectonic affinity, cooling history, and timing of obduction of the Spongtang ophiolite, Northwest India. GSA Abstracts with Programs, 49(1). <https://doi.org/10.1130/abs/2017SC-289437>.
36. Pease, E.C., Dygert, N., Catlos, E.J., Brookfield, M. (2017). Timing of obduction, tectonic affinity, and cooling history of the Spongtang ophiolite, northwest India. GSA Abstracts with Programs, 49(6). <https://doi.org/10.1130/abs/2017AM-305324>.
37. Yin, Z., Tandon, S., Aguilera, K.N., Etzel, T.M., Catlos, E.J., Elliott, B., Kyle, R.J. (2017). Lessons learned from an international research experience from the underrepresented student perspective. GSA-South Central Section Meeting, Abstracts with Programs, 49(1). <https://doi.org/10.1130/abs/2017SC-289189>.

BLOGS AND MEDIA COVERAGE OF WORK

1. Catlos, E.J., Suarez, S.E., Brookfield, M.E. (2020). Behind the Paper: World's oldest bug is fossil millipede from Scotland. Springer Nature, Ecology & Evolution, <https://ecoevocommunity.nature.com/posts/world-s-oldest-bug-is-fossil-millipede-from-scotland>
2. *Astronomer Rocks (Korean)* (2020). The world's oldest bug fossil <http://www.astronomer.rocks/news/articleView.html?idxno=88999>
3. *Big Think* (2020): This might be the oldest creature to have ever lived on land: Scientists think an insect similar to the modern millipede crawled around Scotland 425 million years ago, making it the first-ever land-dweller. <https://bigthink.com/hard-science/first-creature-to-live-on-land/>
4. *Cnet.com* (2020): Meet the world's oldest bug, a 425-million-year-old millipede fossil. <https://www.cnet.com/science/meet-the-worlds-oldest-bug-a-425-million-year-old-millipede-fossil/>
5. *Daily Mail* (2020): World's oldest 'bug' is a fossilized 425-million-year-old millipede discovered on a Scottish Island that suggests the ancient creatures evolved from water to live on land in just 40 million years. <https://www.dailymail.co.uk/sciencetech/article-8367057/Worlds-oldest-bug-fossilized-425-million-year-old-millipede-discovered-Scottish-Island.html>
6. *Der Standard (Austria)* (2020): Tausendfüßer ist das älteste Krabbeltier der Welt (Millipede is the oldest crawling animal in the world). <https://www.derstandard.at/story/2000117856488/tausendfuesser-ist-das-aelteste-krabbeltier-der-welt>
7. *FoxNews.Com* (2020): World's oldest bug discovered on Scottish island. <https://www.foxnews.com/science/worlds-oldest-bug-scottish-island>
8. *Futurity.org* (2020): Millipede fossil takes 'world's oldest bug title.' <https://www.futurity.org/millipede-fossil-worlds-oldest-bug-2376812/>
9. *Science Daily.com* (2020): World's oldest bug is fossil millipede from Scotland. <https://www.sciencedaily.com/releases/2020/05/200528115831.htm>

10. *The Times* (2020): Hebridean millipede fossil is ‘oldest bug on Earth.’
<https://www.thetimes.co.uk/article/hebridean-millipede-fossil-is-oldest-bug-on-earth-cfc9tq5kv?region=global>
11. *Technology Networks.com* (2020): Scottish Millipede Is World's Oldest Bug Fossil.
<https://www.technologynetworks.com/tn/news/scottish-millipede-is-worlds-oldest-bug-fossil-335452>
12. *UT News, Science & Technology* (2020): World’s Oldest Bug is Fossil Millipede from Scotland.
<https://news.utexas.edu/2020/05/27/worlds-oldest-bug-is-fossil-millipede-from-scotland/>
13. *Daily Mail* (2017): Ancient Scottish millipede WASN'T the first air breathing land animal, Texas undergrad proves (and scientists admit they now don't know what was).
<https://www.dailymail.co.uk/sciencetech/article-4669222/Ancient-millipede-not-air-breather-land.html>
14. *The Daily Texan* (2017): Former Jackson School of Geosciences undergraduate rewrites geological history.
<https://thedailytexan.com/2017/10/26/former-jackson-school-of-geosciences-undergraduate-rewrites-geological-history/>
15. *Phys.Org* (2017): Ancient animal thought to be first air breather on land loses claim to fame.
<https://phys.org/news/2017-07-ancient-animal-thought-air-breather.html>
16. *Science Daily.com* (2017): Ancient animal thought to be first air breather on land loses claim to fame.
<https://www.sciencedaily.com/releases/2017/07/170705132945.htm>
17. *UT Austin, Jackson School Newsletter* (2017): Ancient Animal Thought to be First Air Breather on Land Loses Claim to Fame.
<https://www.jsg.utexas.edu/news/2017/07/ancient-animal-thought-to-be-first-air-breather-on-land-loses-claim-to-fame/>
18. *UT News, Science & Technology* (2017): Ancient Animal Thought to be First Air Breather on Land Loses Claim to Fame.
<https://news.utexas.edu/2017/07/05/animal-thought-to-be-first-air-breather-loses-claim-to-fame/>

INVITED PRESENTATIONS (SINCE 2008 ONLY)

External Universities

2022	University of Nevada Las Vegas, Dept. Geoscience University of Louisiana, Lafayette, School of Geosciences <i>New insights into the uplift of the Himalayas through Advances in Metamorphic Petrology (general geology seminar title)</i>
2021	University of New Mexico, Dept. Earth and Planetary Sciences
2019	UCLA, Dept. Earth, Planetary, and Space Sciences
2018	University of Houston, Dept. Earth and Atmospheric Sciences
2017	Heidelberg University, Germany, Institute of Earth Sciences Ludwig Maximilian University of Munich, Germany, Dept. Earth and Environmental Sciences
2013	Louisiana State University, Dept. Geology and Geophysics
2010	Pennsylvania State University, Geosciences Dept. Pennsylvania NASA Space Grant Consortium
2008	University of Arkansas, Dept. of Geology

Societies and Conferences

2024	36th Himalaya-Karakorum-Tibet, Kraków, Poland <i>Introduction to the Himalayas: Short course for Young Scientists</i> With B. Upreti and P. Haproff
2023	IN TIME project Final Conference, Roma, Italy; Sala Conferenze SPAZIO EUROPA European Parliament delegation in Italy

Challenges in Dating Impact Craters on Earth

- Slovak Academy of Sciences Annual Meeting, Smolenice, Slovakia
Exhumation of the High Tatra Mountains and implications for the Western Carpathians (Slovakia).
- Be In-Time on Mars Conference, Summer School, Alghero, Sardinia, Italy
Basic problems of dating terrestrial impact craters: Example from the formation of the Ames Astrobleme, Oklahoma, USA
- 2022 Universidad Complutense de Madrid, Ages of Mars conference, Madrid, Spain
Exploring the timing and dynamics of life terrestrialization on Earth
- 2019 American Geophysical Union, Topical Session
Extensional dynamics of the Menderes Massif, western Turkey.
<https://agu.confex.com/agu/fm19/meetingapp.cgi/Paper/518254>
- 2018 American Geophysical Union, Topical Session
Deciphering the exhumation history of the crystalline core of the Himalayas: new insight from garnet-bearing assemblages. <https://www.researchgate.net/publication/339513715>
- 2017 Geological Society of America-South Central Section, Panelist
Geoscience Career Exploration
- 2016 Geological Society of America Topical Session
Response to slab roll-back: Revealing the geodynamic history of western Turkey from the Biga Peninsula to the Menderes Massif. <https://doi.org/10.1130/abs/2016AM-281551>
- Geological Society of America 2016 Annual Meeting Moderator
Women in Geology Career Pathways Reception
- 2015 Geological Society of America Topical Session: Subduction, Fluids, Accessory Minerals, and Trace Elements: A Celebration of Sorena Sorensen's Career.
Timing subduction processes via in situ (in thin section) zircon and baddeleyite geochronology: Examples from northern Turkey.
<https://gsa.confex.com/gsa/2015AM/webprogram/Paper263129.html>
- Geological Society of America, Talk to the On-to-the-Future Cohort at the 2015 Annual Meeting on the *Future Student Engagement on GSA Committees*
- 2014 Geological Society of America
Talk to the On-to-the-Future Cohort at the 2014 Annual Meeting
Future Student Engagement on GSA Committees
- 2013 Geological Society of America
Women in Geology Mentor Program, sponsored by Shell and Subaru of America
- 2005 15th Annual V.M. Goldschmidt Conference
Accessory Minerals Geochemistry, Monazite Records of Deformation within the Himalayan Main Central Thrust Shear Zone, NW India.
<https://goldschmidtabstracts.info/abstracts/abstractView?id=2005002117>

Internal Presentations (UT Austin only)

- 2023 DeFord Lecture: *AFTERSHOCKS: New insights into the dynamics of Himalayan orogenesis provided by the 25 April 2015 Nepal Earthquake (Mw 7.8)* Available at: <https://www.youtube.com/watch?v=dxrFRIt5p1s&feature=youtu.be>
- 2023 Champions of Diversity Seminar Series presentations to students
Workshop on Attending a Scientific Conference for the First Time; Workshop on Conducting International Geoscience Fieldwork
- 2022 Lithosphere Dynamics Seminar; *Stages in the development of the High Tatra Mountains (Slovakia, Western Carpathians): Implications models of extrusion tectonics* Available at: <https://www.youtube.com/watch?v=KhYDzobSmBE>

	Geosciences Leadership Organization for Women <i>Workshop on Conducting International Geoscience Fieldwork</i>
2020	Center for Teaching and Learning Seminars <i>Bringing the Field into Introductory Geosciences Classrooms</i> <i>Plans for moving forward after COVID: Recovering from the Derailment</i>
2018	Planetary Habitability Pop-Up Institute <i>Searching for Life from a Mineralogical and Geological Perspective</i>
2015	Geosciences Leadership Organization for Women <i>Rock of ages: Practicing field geology in challenging international environments</i>
2011	Undergraduate Geological Society <i>Rock of ages: Practicing field geology in challenging international environments</i>
2008	Texas Earth Science Revolution program

CONFERENCE ACTIVITY/PARTICIPATION

Conferences Organized: Chair as Primary Role

2019	<i>European Union-IN-TIME RISE: Workshop on Geochronology and Mars Exploration.</i> Location: Austin, TX, https://www.jsg.utexas.edu/eu-in-time-rise/ Chair and primary organizer with Alessio Di Iorio, ALMA SISTEMI S.r.l. (Italy) and Marcello Coradini, Director, Space Systems Solutions (Cyprus)
2013	<i>Geological Society of America-South Central Section 47th Annual Meeting, Austin TX.</i> Primary Meeting Chair, https://gsa.confex.com/gsa/2013SC/webprogram/start.html
2008	<i>The Donald D. Harrington Symposium on the Geology of the Aegean, Austin, TX</i> Primary Meeting Chair, https://iopscience.iop.org/article/10.1088/1755-1315/2/1/011001

Conference Sessions Co-chaired

2022	American Geophysical Union Meeting Fall 2022 <i>Oceanic and Continental Extensional Tectonics</i> with Ibrahim Çemen (University of Alabama).
2021	American Geophysical Union Meeting Fall 2021 <i>Tectonic, Topographic, and Exhumation History of the Himalaya-Tibetan Orogen</i> with Rasoul Sorkhabi (University of Utah).
2020	Geological Society of America-South Central Section Meeting <i>The Role of Geochronology in Constraining the Development of Earth's Lithosphere: Focus on the US South-Central Region, Mexico, and Beyond.</i> with Rita Economos (Southern Methodist University) and J. Douglas Walker (Univ. Kansas)
2017	Geological Society of America-South Central Section Meeting <i>Advances in Understanding Precambrian to Cenozoic Magmatic and Metamorphic Processes and their Bearing on Lithospheric Evolution of Southern Laurentia</i> with Michael DeAngelis (Univ. Arkansas, Little Rock), Richard Hansen (Texas Christian Univ.)
2016	Geological Society of America-Annual Meeting <i>Rates in Metamorphism and Tectonism: From Mineral Growth to Orogenesis</i> with Thomas M. Etzel, Eric D. Kelly, and Kyle T. Ashley (UT Austin)
2015	Geological Society of America-Annual Meeting <i>Special Nepal (Gorkha) Earthquake Session</i> with Anke Friedrich (Ludwig-Maximilians-University of Munich, Germany)
2012	Geological Society of America- Annual Meeting <i>Advances in Mineralogy and Petrology</i> with John C. Ayers (Vanderbilt University)

TEACHING EXPERIENCE

My teaching objectives are for my students to learn fundamental geoscience content and to develop their computational, writing, and critical thinking skills. In addition, I aim to help my students function as successful geologists or, in the case of non-majors, help them understand how geology affects society.

THE UNIVERSITY OF TEXAS AT AUSTIN

Year(s) Taught	Course
Undergraduate Courses	
Fall 2010, 2012, 2014, 2016, 2018, [2020]	Earth Materials
Fall 2019, [2020], [2021], 2022, 2023	Geology of National Parks
Spring 2021, 2022, 2023, 2024	
Spring 2014, 2015, 2016, 2018, [2020]	Physical Geology (taught to geology majors)
Summer 2017	
Spring 2010	Introduction to Geology (taught to non-majors)
Fall 2022, 2023	Gems and Gem Minerals
Fall 2011, 2013	Rocks & Water of The Middle East
Spring 2016, 2018	International Learning Seminar
Graduate Courses	
Spring 2015, 2017	Metamorphic Petrology
Spring [2021]	Analytical Methods: Electron Microbeam Technology
Fall 2018	Thermodynamics of Petrological Systems
Spring 2022, 2023	Microstructures and Rock Rheology
Spring 2011, 2012	Geology of The Middle East
Fall 2015, 2016, 2017, 2018, 2019, [2020], [2021]	Technical Lecture Series
Spring 2017, 2018, 2019, [2020], [2021]	
[year] = made major adjustments to teaching during COVID	

SOOCHOW UNIVERSITY INTERNATIONAL PROGRAMS, TAIWAN

Undergraduate Course	
Summer 2022, Winter 2023	The Dynamic Earth (4-week online introductory geology course)

MIDDLE EAST TECHNICAL UNIVERSITY, ANKARA, TURKEY

Undergraduate Course	
Spring 2009	Petrography
Fall 2008	Introduction to Geological Engineering
Fall 2008	Mineralogy

OKLAHOMA STATE UNIVERSITY, STILLWATER. OKLAHOMA

Undergraduate Courses	
Various semesters from 2001-2007	Geology and Human Affairs
	Practical Mineralogy
	Elementary Petrology
	Electron Microprobe Analysis (also graduate enrollment)
	Planetary Geology

SENIOR RESEARCH COLLABORATIONS AND OVERSIGHT

2022-2023	Daniel Campos, Electron Microbeam Lab Oversight
2019-2022	Dr. Phil Orlandini, Electron Microbeam Lab Manager
2019	Dr. Priyanka Periwal, Interim Electron Microbeam Lab Manager

2017-2019	Dr. James Maner, Electron Microbeam Lab Manager
2017	QiQi Wang, Interim Electron Microbeam Lab Manager
2017	Dr. Nick Dygert, Interim Electron Microbeam Lab Manager
2015-2016	Dr. Donggao Zhao, Electron Microbeam Lab Manager

SERVICE TO PROFESSION

Journal Editorial Board Member

2022-	Frontiers in Earth Science
2017-	Episodes
2015-	Geodinamica Acta, now All Earth (Taylor and Francis)

Service to Funding Agencies

2000-	Review proposals for <i>National Science Foundation-Tectonics, Petrology and Geochemistry, International, Continental Dynamics, Sedimentary Geology and Paleobiology, and Geography and Regional Science Divisions</i>
	Review proposals for the <i>Austrian Science Fund</i>
	Review proposals for the <i>Research Grants Council of Hong Kong</i>
	2024-2025 <i>Fulbright Egyptian Scholar Program</i> - Technical Review – Geology
2017	NASA Review Panel on <i>Planetary Science and Technology from Analog Research</i>
	NASA Review Panel on <i>Solar System Workings</i>
2013-16	Lead Science Reviewer, <i>Standing Review Board for NASA Mars Organic Molecule Analyzer–Mass Spectrometer (MOMA-MS)</i> .
2011	NASA Review Panel on <i>Mars Science Laboratory Participating Scientist Program</i>
2010	NASA Independent Review Team for the <i>Mars Organic Molecule Analyzer- Laser Desorption Mass Spectrometer</i>
	NASA Review Panel on <i>ROSES 2010 Solicitation for the Astrobiology Science</i>
	NASA Review Panel on <i>Technology for Exploring Planets (ASTEP)</i>
2010	Invited participant to NSF's Office of International Science and Engineering Workshop Planning Activity to highlight best practices that integrate across multiple dimensions of university internationalization, particularly in science and engineering
2009	National Institutes of Health Reviewer, <i>Challenge Grants in Health and Science Research</i>
2007	NASA Review Panel for the instruments <i>UREY: Mars Organic and Oxidant Detector and Mars Organic Molecule Analyzer</i>
	NASA Review Panel on <i>Planetary. Instrument Definition and Development Program</i>
2005	NASA Lead Science Reviewer for the <i>Planetary. Instrument Definition and Development Program</i>
	NASA Lead Science Reviewer for <i>Mars Science Laboratory/Sample Analysis at Mars</i>
	NASA Review Panel on <i>Interdisciplinary Exploration Science</i>
2004	NASA Review Panel on <i>Mars Science Laboratory</i>
2003	NASA Review Panel on <i>Mars Instrumentation and Development Panel</i>
2002	NSF Review Panel, <i>EAR-Tectonics Division</i>

Service to the Geological Society of America (GSA) (since 2011 only)

2009-20	Member, Management Board of the GSA South-Central Section
2013-17	Elected Councilor for the GSA

	Liaison to the Mineralogy, Geochemistry, Petrology Volcanology Division
	Liaison to the Structural Geology and Tectonics Division
	Liaison to the Student Advisory Council
2014-17	GSA Councilor/Conferee, Diversity in the Geosciences Committee
2014-16	GSA Councilor, Doris M. Curtis Memorial Fund for Women in Science Committee
2013-16	Councilor/Chair for the Arthur L. Day Medal Awards Committee
2012-15	GSA Member-At-Large, Committee for the Donath Medal (Young Scientist Award) Selection
2015	Member, Ad hoc GSA Committee focused on interest groups and divisions
2012-13	Vice Chair and Chair, Management Board of the GSA South-Central Section
2011	Invited Participant on the GSA Council Retreat: Strategic Planning Sessions

Reviews of manuscripts, publishers, and textbooks

2000-	Routinely review manuscripts for various peer-reviewed publications
2019	McGraw Hill, review two chapters in an introductory geoscience textbook
2014, 2011	Served on a Pearson Education focus group for MasteringGeology™
2009	Reviewed art for each chapter of "Living with Earth," AGI, Prentice Hall Publishers.
	Developed test bank questions for each chapter of "Living with Earth"
	Reviewed critical thinking questions for Prentice Hall Publishers.
	Prentice Hall focus group on media and assessment in the classroom
	Reviewed Prentice Hall's basic skills website application

SERVICE TO UNIVERSITY, SCHOOL, DEPARTMENT (UT AUSTIN ONLY)

UT Austin

2010-	Fulbright Student Review Committee
2023	Office of Undergraduate Research, reviewer for Undergraduate Research Fellowship competition
	Panel for Undergraduate Research Workshop, Undergraduate Research Committee in the Senate of College Councils
2022	Committee of a Task Force to Review and Rewrite Course Evaluation Lab Supplementary Form
2018	Provost's Task Force on the Future of UT Austin Libraries
2013	Review of the Faculty Activities Report (FAR) Electronic System
2013	Selection Committee for UT Austin Faculty-Led Programs for Summer Abroad

Jackson School of Geosciences

2022-2024	Member, EPS-Bureau of Economic Geology Faculty Search in Earth Resources
2015-	Library Advisory Committee
2019-22	Graduate Studies Committee, Committee on Membership Review
2019-21	Graduate Studies Committee, Ad Hoc Committee on Graduate Admissions
2018-21	Diversity Committee
2015-21	Organized JSG Master's Saturday Events for graduating MS student presentations each Fall and Spring
2014-17	Member, Equipment Committee
2015	Graduate Studies Committee, Ad Hoc Committee on Strategic Planning for MS and MA Degrees
2012-13	Undergraduate Advisor for Environmental Science Institute (ESI) Environmental Science (EVS) program
	Representative to the ESI-EVS Admissions Committee
2010-14	Lead Instructor for GeoFORCE outreach program

Department of Earth and Planetary Sciences

2022-23	Head Search Committee for the EPS Microbeam Facility Lab Manager
2019	Head Search Committee for the EPS Microbeam Facility Lab Manager
2019-	Awards Committee
2015-	Faculty Oversight of the EPS Microbeam Facility
2019-22	Graduate School Admissions Committee
2021-22	Structural Geology Associate Professor Search Committee
2021-22	Distinguished Postdoctoral Search Committee
2015-21	Organize DeFord Lecture Series
2020	Department Head Search Committee
2016-18	Awards Committee
2017	Search committee for the EPS Office Manager
2017	Head Search Committee for the EPS Microbeam Facility Lab Manager
2012-13	Undergraduate Advisor
	Undergraduate Curriculum Review Committee
	Undergraduate Academic Affairs Committee
2010	Search Committee for a position in Tectonics and Geochronology
	Search Committee for a position in Structural Geology and Tectonics
	Oversaw the Petrography Contest

Extracurricular University Service and Community Involvement/Outreach

2020-	Mentor in the Geosciences Empowerment Network, Champions of Diversity program
2009-	Campus Representative for the Fulbright Program
2010-17	Elected Vice President, Austin Chapter of the Fulbright Alumni Association
2013	Leader, On the Cutting Edge, Workshop for Early Career Geoscience Faculty
2013	Presenter for GirlTalk, to promote STEM education/careers for girls
2010	Expert Witness, deposed, 93rd Judicial District, Hidalgo County, Texas

STUDENT RESEARCH ADVISED

Primary graduate supervisor, UT Austin

Theses are available at Texas Scholar Works, <https://repositories.lib.utexas.edu>

2020-	Hector Garza, PhD (advanced to candidacy)
2023	Daniel Campos, MS, <i>Exhumation of the High Tatra Mountains and Implications for the Western Carpathians (Slovakia)</i>
2020	Thomas M Etzel, Ph.D., <i>Garnet chemical zoning thermobarometry: method evaluation and application in the Menderes Massif, Turkey</i>
2017	Andrew Parisi, MS, <i>Geochronological Constraints on the Timing of Proposed Ordovician Meteorite Event Impact Structures in North America</i>
2014	Kate Ataktürk, MS, <i>Deciphering the P-T-t conditions of garnet-bearing metamorphic rocks in the Southern Menderes Massif, SW Turkey</i>
2013	Tim Shin, MS, <i>Tectonic evolution of Aegean metamorphic core complexes, Andros and Tinos Islands, Greece (co-supervised)</i>
2012	Karen Black, MS, <i>Geochemical and geochronological relationships between granitoid plutons of the Biga Peninsula, NW. Turkey</i>
2011	Kathryn Huber, MS, <i>Geochemistry and geochronology of meta-igneous rocks from the Tokat Massif, north-central Turkey</i>
	Lauren Jacob, MS, <i>Remote sensing, geochemistry, geochronology, and cathodoluminescence imaging of the Egrigoz, Koyunoba, and Alacam plutons, Northern Menderes Massif, Turkey</i>

Oklahoma State University (direct supervision only, OSU had an MS program only)

Theses are available at ShareOk, <https://shareok.org/handle/11244/10460>

2009	Courtney Baker, MS, <i>Deciphering the Evolution History of the Salihli and Turgutlu Granites, Menderes Massif, Western Turkey Using the Electron Microprobe, Ion Microprobe and Cathodoluminescence</i>
2004	Cenk Ozerdem, MS, <i>Thermobarometric Constraints on the Evolution of the Menderes Massif (Western Turkey): Insights into the Metamorphic History of a Complexly deformed Region</i>
Graduate Committees (UT Austin only)	
2024	Calebl Earl Adams, PhD
2020	Liam Norris, PhD
2019	Scott Eckley, PhD
2017	Natchanan (Mint) Doungkaew, PhD; Patrick D Boyd, MS
2015	Ahmed Alnahwi, PhD; Mehmet O. Gurbuz, MS
2014	Menal Gupta, PhD
2013	Migdaly Salazar, PhD; Corinne Wong, PhD
2012	Jessica Errico, MS
2011	Autumn Kaylor, MS
Undergraduate Student Research Supervision, start dates, UT Austin only	
2022	Llewnosuke Priimak
2020	Rebekah January (Austin Community College) David Keith
2019	Shania Goodwin; Leah Lievrouw; Jackson Phillips
2018	Gabriel Villaseñor; Thomas Quintero
2017	Xiafei Zhao; Tyler Fu; Theresa Perez
2016	Emily Pease; Zoe Yin; Ashley Zare; Saloni Tandon
2015	Enrique Reyes; Kimberly Aguilera; Stephanie Suarez; Daniel Lizzardo-McPherson
2014	Colin Sturrock (Jackson School Honor's student); Bridget Pettit; Chelsea H. Jones
2013	Pamela Speciale (Jackson School Honor's student); Isis Garber
2012	Lindsey German & Abby Kenigsberg (Jackson School Honor's students); Tyson McKinney
2011	Tim Shin (Jackson School Honor's student); Heather Flynn
Undergraduate Student TA Supervision, start dates, UT Austin only	
2024	Skye Hospod (Geology of National Parks)
2023	Skye Hospod & Devon Jorgenson (Gems and Gem Minerals)
2021-	Kaleigh Haynie (Geology of National Parks)

WEBSITES/SOCIAL MEDIA

Twitter	@ElizabethCatlos
GoogleScholar	https://scholar.google.com/citations?user=jA-B4TsAAAAJ&hl=en&oi=ao
ResearchGate	https://www.researchgate.net/profile/Elizabeth-Catlos
ORCID	https://orcid.org/0000-0001-6043-3498
LinkedIn	https://www.linkedin.com/in/ejcatlos/
YouTube	https://www.youtube.com/channel/UC421U3vVtLotrkHkCCcx0Wg?view_as=subscriber
Shutterstock	https://www.shutterstock.com/g/lizicat

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS:

Geological Society of America • Mineralogical Society of America • European Geosciences Union • American Geophysical Union • Microscopy Society of America