

Curriculum Vitae

Elif Özülkü (Öz)

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Professional Preparation

2019 Ph.D., Florida State University, Tallahassee, Florida. Major: Educational Policy & Evaluation. Supervisor: Dr. Courtney Preston.

Elif Öz. (2019). *Measuring mathematics and science teacher effectiveness using advanced course-taking in high school*. Unpublished doctoral dissertation, Florida State University, Tallahassee, FL.

2013 M.S., Bogazici University, Istanbul, Turkey. Major: Secondary School Science and Mathematics Education. Supervisor: Dr. Fatih Caglayan Mercan.

Elif Özülkü. (2013). *Exploring the enactment of the 2007 secondary school physics curriculum at an Anatolian high school in Istanbul*. Unpublished master's thesis, Bogazici University, Istanbul, Turkey.

2010 B.S., Bogazici University, Istanbul, Turkey. Major: Teaching Physics, Graduated third in class.

Licenses and Certifications

2019 Measurement and Statistics, Educational Psychology & Learning Systems, Florida State University.

2018 Advanced PIE Teaching Training Recognition, Program for Instructional Excellence, Florida State University.

2016 Program Evaluation, Educational Leadership and Policy Studies, Florida State University

Fellowship(s)

Herbert J. Reese Endowed Graduate Fellow, 2016-2018
Fulbright Scholar, 2013-2018

Research Experience

- 2022-Present Independent Researcher in Education
- 2023-Present Research Associate, *Learning Through Collaborative Design-Professional Development*, Florida State University School of Teacher Education
- 2022-Present Research Associate, University of Notre Dame Center for STEM Education
- 2020-2022 Postdoctoral Research Associate, University of Notre Dame Center for STEM Education
- 2017-2019 Research Assistant, *Investigating the Characteristics of Programs that Produce Persistent STEM Teachers with High Quality Instruction*, Florida State University Educational Leadership and Policy Studies Department
- 2014–2017 Research Assistant, *Teacher Preparation Program Characteristics and its Relation to Student Achievement and Teacher Retention*, Florida State University Educational Leadership and Policy Studies Department.
- 2012-2012 Research Assistant, *Integration of Inquiry-Based Learning Technologies to Teaching Process*, Bogazici University Faculty of Education.
- 2011-2012 Research Assistant, *Perceptions of Secondary School Physics, Chemistry, and Biology Teachers on the New Science Curricula*, Bogazici University Faculty of Education.

Refereed Journal Articles

- Ozulku, E.**, Kloser, M. J., McConnell J., & Stephenson, G. (2023). *Envisioning the Future: Middle School Students' Perceptions of and Motivations for STEM Careers*. [Manuscript under review for publication]. Center for STEM Education, University of Notre Dame.
- Ozulku, E.** (2023). *Mathematics and Science Teacher Effectiveness in Students' Advanced Course-taking in High School*. [Manuscript under review for publication]. Center for STEM Education, University of Notre Dame.
- Ozulku, E.**, & Kloser, M. J. (2023) Middle School Students' Motivational Dispositions and Attitudes toward STEM Careers. [Manuscript accepted for publication] *International Journal of Science Education*. Center for STEM Education, University of Notre Dame.
- Oz, E.** (2021). *Comparability of teachers' educational background items in TIMSS: A case from Turkey*. *Large Scale Assessments in Education*, 9(1), 1-18.

Tekkumru-Kisa, M., Preston, C., Kisa, Z., **Oz, E.**, & Morgan, J. (2020). Instructional quality in science in the era of ambitious reforms. *Journal of Research in Science Teaching*. Advanced online publication. <https://doi.org/10.1002/tea.21651>

Refereed Papers at Conferences

Ozulku, E. (2023). Following different paths toward becoming a science teacher: Differences in preparedness, professional aspirations, and instructional practices. Paper to be presented at the meeting of European Science Education Research Association (ESERA), Cappadocia, Turkey.

Ozulku, E. & Atabas S. (2023). *Identifying high-quality teachers and their job satisfaction in TALIS 2018*. Paper to be presented at the meeting of European Association for Research on Learning and Instruction (EARLI), Thessaloniki, Greece.

Ozulku, E., Kloser, M. J., Malkani, A., Bullinger, S., Ostdiek, L., & Wagner, C. (2023). *Qualitative cases of science teaching practice: Comparing instruction based on value-added ratings*. Paper to be presented at the meeting of National Association for Research in Science Teaching, Chicago, IL.

Ozulku, E., Kloser, M. J., Malkani, A., Bullinger, S., Ostdiek, L., & Wagner, C. (2023). *Science teacher instructional quality in launching and implementing science tasks in classroom and their value-added*. Paper to be presented at the meeting of American Educational Research Association, Chicago, IL.

Oz, E., Kloser, M. J., McConnell J., & Stephenson, G. (2022). *Envisioning the future: Middle school students' perceptions of and motivations for STEM careers*. Paper presented at the virtual meeting of American Educational Research Association, San Diego, CA.

Oz, E., & Kloser, M. J. (2021). *Motivational factors mediating toward STEM careers amongst a national sample of middle school students*. Paper presented at the virtual meeting of National Association for Research in Science Teaching.

Oz, E., & Kloser, M. J. (2021). *Middle school students' motivational dispositions and STEM career attitudes*. Paper presented at the virtual meeting of American Educational Research Association.

Oz, E. (2021). *Teacher characteristics and students' high school course-taking in mathematics and science*. Paper presented at the virtual meeting of Association for Education Finance and Policy.

Oz, E. (2019). *Measuring Mathematics and Science Teacher Effectiveness Using Rigorous Course-taking in High School*. Paper presented at the meeting of Association for Education Finance and Policy, Kansas City, MO.

Tekkumru-Kisa, M., Preston, C., Kisa, Z., **Oz, E.**, Morgan, J. (2019). *Measuring Instructional Quality in Science in the NGSS Era*. Paper presented at the meeting of American Educational Research Association, Toronto, Canada.

Tekkumru-Kisa, M., Preston, C., Kisa, Z., **Oz, E.**, Morgan, J. (2019). *Instructional Quality in Science Classrooms in the NGSS Era*. Paper presented at the meeting of National Association for Research in Science Teaching, Baltimore, MD.

Oz, E. (2017). *The Importance of Context and Translation in Conducting Research by Using Large-Scale International Datasets: A TIMSS Case*. Paper presented at the meeting of Comparative and International Education Society.

Preston, C., & **Ozulku, E.***. (2016). *School Climate and Beginning Teacher Retention*. Paper presented at the meeting of American Educational Research Association, Washington, DC.

Oz, E., & Preston, C. (2016). *Middle School Science Teacher Preparation and Student Achievement in Science in Turkey*. Paper presented at the meeting of Association for Education Finance and Policy, Denver, CO.

Ozulku, E. & Adadan, E. (2012). *Undergraduate Students' Perceptions of the Introductory Physics Laboratories*. Poster presented at the meeting of World Conference on Physics Education, Istanbul, Turkey.

Nonrefereed Presentations at Conferences

Oz, E., Oswald, C., Preston, C., Tekkumru-Kisa, M. & Morgan, J. (2019). *Novice Noyce Teachers' Instructional Quality and Retention*. Poster presentation at the meeting of SE Regional Robert Noyce Connections.

Oz, E., Morgan, J., Preston, C., Tekkumru-Kisa, M., & Southerland, S. (2018). *Investigating Relationships Between STEM Teacher Preparation, Instructional Quality, and Teacher Persistence*. Poster presentation at the meeting of SE Regional Robert Noyce Connections.

Teaching Experience

Course Instructor, Florida State University, Tallahassee, FL

EDF 6486 Applied Research Methods in Ed. Leadership and Policy, Summer 2022

EDF 6486 Applied Research Methods in Ed. Leadership and Policy, Summer 2021

EDF 5641 Introduction to Policy Studies in Education, Summer 2020

Teaching Assistant, Florida State University, Tallahassee, FL

EDA 5231 Applications of Policy for School Leaders, Summer 2019

EDF 5414 Introduction to Large Datasets, Fall 2018

EDF 5641 Policy Studies in Education, Summer 2017
EDA 5423 Data Driven School Improvement, Fall 2016 & Spring 2017

Guest Lecturer

EDF 6666 Teacher Policy and Reform, Fall 2019
SCED 579 Graduate Seminar in Science and Mathematics Education, Spring 2017
EDF 5414 Introduction to Large Datasets, Fall 2016
EDF 1005 Introduction to Education, Fall 2015
SCED 579 Graduate Seminar in Science and Mathematics Education, Spring 2013

Science Teacher (Grades 1-8), Bilfen Schools, Istanbul 2012-2013

Student Assistant, Boğaziçi University, Istanbul

PHYS 202 Laboratory Applications in Introduction to Modern Physics, Summer 2011
PHYS 201 Laboratory Applications in Electrodynamics, Fall 2010 & Spring 2011
PHYS 102 Laboratory Applications in Thermodynamics, Spring 2010 & Summer 2010
PHYS 101 Laboratory Applications in Mechanics, Fall 2009 & Spring 2010
SCED 441 Teaching Methods in Physics, Fall 2009 & Spring 2010

Methodological Training and Workshops

2018 *Instructional Quality Assessment (IQA) Training*

2016 *An Introduction to Hierarchical Linear Modeling for Education Researchers*

2016 *NVivo 10 Training (Basic and Advanced)*

Service

Peer Reviewer, Educational Evaluation and Policy Analysis, (current)

Peer Reviewer, Journal of Theoretical Educational Science, 2021

Peer Reviewer, Journal of Language and Education, 2021

President, FSU Turkish Student Association, 2015-2017

Vice President, FSU Turkish Student Association, 2014-2015

Graduate Student Ambassador, Education Policy & Evaluation Program, 2016-2017

Vice President, Transcultural Research and Education Consortium, 2016-2017

Current Membership in Professional Organizations

European Association for Research on Learning and Instruction (EARLI)

American Educational Research Association (AERA)

National Association for Research in Science Teaching (NARST)