

Yasemin Gunpinar, Ph.D.

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EDUCATION

Doctor of Philosophy (2014). University of Florida, Gainesville, FL; Curriculum and Instruction with an emphasis in Mathematics Education, School of Teaching and Learning.

Dissertation Title: Teachers' Instructional Practices within Connected Classroom Technology Environment to Support Representational Fluency.

Dissertation Committee Chair: Stephen J. Pape

Dissertation Committee Co-chair: Tim Jacobbe

Master of Education (2008). Marmara University, Istanbul; Educational Sciences Institution, Department of Mathematics Teaching in Elementary Education.

Bachelor of Science (2006). Marmara University, Istanbul; Ataturk Education Faculty, Department of Mathematics Teaching in Elementary Education.

PROFESSIONAL EXPERIENCE

Assistant Professor

EDUC 4301: Mathematical Problem Solving in EC6, University of Texas at Tyler, Tyler, TX (Fall 2022).

Associate Professor

EDUC 3015: Methods & Material in Mathematics, St. Catherine University, St. Paul, MN (Fall 2021; Spring 2022).

EDUC 7015: Methods & Materials in Mathematics, St. Catherine University, St. Paul, MN (Spring 2022).

MATH 2500: Mathematical Structures, St. Catherine University, St. Paul, MN (Spring 2022).

EDUC 6123: Making Data Meaningful, St. Catherine University, St. Paul, MN (Spring 2022, Fall 2021).

EDUC 667: Introduction to Action Research, St. Catherine University, St. Paul, MN (Fall 2021).

Assistant Professor

EDUC 3015: Methods & Material in Mathematics, St. Catherine University, St. Paul, MN (Fall 2014-2020; Spring 2015-2021).

EDUC 7015: Methods & Materials in Mathematics, St. Catherine University, St. Paul, MN (Spring 2015-2021).

MATH 2500: Mathematical Structures, St. Catherine University, St. Paul, MN (Spring 2016-2021, Fall 2016-2020).

EDUC 6123: Making Data Meaningful, St. Catherine University, St. Paul, MN (Spring 2018-2021, Fall 2018).

EDUC 667: Introduction to Action Research, St. Catherine University, St. Paul, MN (Fall 2014, 2017-2018; Spring 2015, 2016).

EDUC 6760: Integration Seminar, St. Catherine University, St. Paul, MN (Spring 2015, Fall 2020).

EDUC 6700: Integration Seminar, St. Catherine University, St. Paul, MN (Fall 2014).

Instructor

MAE 3312: Mathematics Content and Methods for Teaching Mathematics in the Inclusive Elementary Classroom Part I, University of Florida, Gainesville, FL (Fall 2012, 2013).

MAE 5347: Teaching K-8 Math Methods, University of Florida, Gainesville, FL (Summer 2012, 2013).

MAE 5945: Secondary Mathematics Methods Practicum, University of Florida, Gainesville, FL (Spring 2013).

Graduate Teaching Assistant

EDG 4930: *Research Methods*, Dr. Alan Dorsey; EDG 4930: *Project Based Instruction*, Karina Hensberry, University of Florida, Gainesville, FL (Spring 2011).

Graduate Research Assistant

Florida PROMISE, Dr. Stephen J. Pape, University of Florida, Gainesville, FL (Summer-Fall 2010).

Classroom Connectivity for Mathematics and Science Achievement, Dr. Stephen J. Pape, University of Florida, Gainesville, FL (Spring 2010).

Mathematics Teacher

Instructor for Middle Grades and Head of the Mathematics Teaching Group, Ministry of Education, Namik Kemal Elementary School, Istanbul (2007-2008).

Instructor for Middle Grades, Ministry of Education, Halil Necati Private Elementary School, Istanbul (2006-2007).

PROFESSIONAL HONORS & AWARDS

Elected to MN TeachingWorks Fellowship (<http://www.teachingworks.org/>), University of Michigan (2019).

Elected to Service, Teaching, and Research (STaR) program (<https://amte.net/star/fellows>), AMTE, Park City, UTAH (2018).

Awarded Outstanding International Student, School of Teaching and Learning, University of Florida (2013).

Awarded Outstanding International Student, School of Teaching and Learning, University of Florida (2012).

Awarded Elizabeth and William F. Leonard Endowment Scholarship, School of Teaching and Learning, University of Florida (2012).

Awarded Travel Grant by the University of South Florida Graduate and Professional Student Council (2009).

Awarded Scholarship for Graduate Study in the USA by the Turkish Ministry of Education (2009-2013).

Awarded National Scholarship for MSc Students by the Scientific and Technological Research Council of Turkey (TUBITAK) (2006-2008).

Won the nationwide Public Personnel Selection Examination, Istanbul (2006).

Ranked first in the Marmara University Mathematics Teaching in Elementary Education Undergraduate Program (2006).

Awarded Scholarship by Turkish Ministry of Education for middle and high school (1993-2000).

PUBLICATIONS

Gunpinar, Y., Asempapa, R. S., & Sturgill, D. (Submitted). *Preservice Teachers' Representations in a Modeling Task on Area and Perimeter*. *Journal of Mathematics Teacher Education in Texas*. (Peer-reviewed)

Asempapa, R. S., Gunpinar, Y., & Sturgill, D. (Submitted). Mathematical modeling through the eyes of preservice elementary teachers. *School, Science, and Mathematics Journal*. (Peer-reviewed)

Pape, S. J.; Gunpinar, Y.; JohnBull, R. M.; & Bell, C. V. (2022). Advancing algebra achievement using affordances of classroom connectivity technology: The case for noticing through discussion. *Mathematics*, 10, 2641. <https://doi.org/10.3390/math10152641> (Peer-reviewed)

Gunpinar, Y. & Mackin, R. K. (2020). What teacher candidates have to say: Analyzing perceptions of program effectiveness across 14 universities? *The Journal of the Association of Independent Liberal Arts Colleges for Teacher Education (AILACTE)*, 17, 23-48. (Peer-reviewed)

Gunpinar, Y., & Pape, S. J. (2018). Teachers' instructional practices within connected classroom technology environments to support representational fluency. *Journal of Computers in Mathematics and Science Teaching*, 37 (1), 27-55. (Peer-reviewed)

Gunpinar, Y. (2017). Instructional practices that facilitate representation translations in high school mathematics classrooms. *New England Mathematics Journal*, XLX (1), 30-41. (Peer-reviewed)

Ozdemir, A. S., & Sert, Y. (2010). The effect of project supported education in elementary number theory course on student achievement. *Journal of Systemics, Cybernetics and Informatics*, 8, 15-17.

Ozdemir, A. S., Balkaya, A., Duran, C., Uncular, H. Celep, M., Bozcan, M., Ozmen, M., Canarslan, R., & Sert, Y. (2007). *Supporting Lesson Book Including Subject Teaching for All Courses in Elementary 6th Grades*. Damla Publications, Istanbul.

Ozdemir, A. S., Balkaya, A., Duran, C., Uncular, H. Celep, M., Bozcan, M., Ozmen, M., Canarslan, R., & Sert, Y. (2007). *Project, Performance and CD Activities for Elementary 6th Grades*. Damla Publications, Istanbul.

Ozdemir, A. S., Balkaya, A., Duran, C., Uncular, H. Celep, M., Bozcan, M., Ozmen, M., Canarslan, R., & Sert, Y. (2007). *Test Book for Elementary 6th Grades*. Damla Publications, Istanbul.

PRESENTATIONS

Pape, S. J., Gunpinar, Y., Bell, C. V., & JohnBull, R. M. (2022, January). *The case for noticing in technology-enhanced Algebra I classroom instruction*. Paper presentation at the Hawaii International Conference on Education, Waikoloa, HI. (Peer-reviewed)

- Asempapa, R. S., Sturgill, D., Gunpinar, Y. (2021, October). *How Preservice Teachers Grapple with the Concept of Mathematical Modeling?* Paper to be presented at the 43rd Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Philadelphia, PA. (Peer-reviewed)
- Gunpinar, Y., Asempapa, R. S., Sturgill, D. (2021, October). *Modeling, Representations, and PSTs: What is the Connection?* Presentation at the 2021 School Science and Mathematics Association Annual Convention, Virtual. (Peer-reviewed)
- Morton, K., Eddy, C., & Gunpinar, Y. (2021, March). *Using lesson study to promote the rights of the learner: An exploration into food desserts.* Presentation at the National Council of Teachers of Mathematics Regional Conference, Dallas, TX. (Peer-reviewed)
- Asempapa, R. S., Gunpinar, Y., Sturgill, D. (2020, November). *Employing modeling practices to investigate preservice teachers' sense making of perimeter and area.* Presentation at the 2020 School Science and Mathematics Association Annual Convention, Virtual. (Peer-reviewed)
- Gunpinar, Y. (2020, November). *The analysis of program effectiveness and action in plan.* Presentation at the Network for Excellence in Teaching (NEXt) Summit 2020, Virtual.
- Gunpinar, Y., & Mackin, K. M. (2020, February). *What's working and what isn't? Looking at survey results related to program effectiveness across 14 universities.* Presentation at the Association of Independent Liberal Arts Colleges for Teacher Education Annual Meeting and Conference, Atlanta, GA. (Peer-reviewed)
- Stricker, D., Rice, M. R., & Gunpinar, Y. (2018, March). *Examining the relationship between NES basic skills tests performance and teacher candidate success.* Presentation at the Association of Independent Liberal Arts Colleges for Teacher Education Annual Meeting and Conference, Baltimore, MD. (Peer-reviewed)
- Gunpinar, Y., & Pape, S. J. (2016, November). *Teachers' instructional practices within a connected classroom technology environment to support representational fluency.* Paper to be presented at the 38th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ. (Peer-reviewed)
- Sert, Y., & Pape, S. J. (2011, October). *An investigation of A Teacher's use of Ti-Navigator to Facilitate Students' Understanding of Quadratic Equations.* Presentation at the 33rd Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Reno, NV. (Peer-reviewed)
- Sert, Y., & Pape, S. J. (2010, October). *Supporting and Facilitating Students' Use of Multiple Representations by Using TI-Nspire.* Presentation at the Florida Council of Teachers of Mathematics Annual Conference, Orlando, FL. (Peer-reviewed)
- Ozdemir, A. S., Sert, Y. (2009, July). *The effect of project supported education in elementary number theory course on student achievement.* Paper presented at the 7th International Conference on Education and Information Systems, Technologies and Applications, Orlando, FL. (Peer-reviewed)

FUNDED PROJECTS

- Gunpinar, Y. (2019). *The Analysis of Program Effectiveness and Action in Plan*, \$10,000.00. North Dakota University's Bush Foundation Grant. (Peer-reviewed)

Gunpinar, Y. (2017). *Understanding Factors Impacting Success in Teacher Preparation Programs*, \$4,900.00. North Dakota University's Bush Foundation Grant. (Peer-reviewed)

PROFESSIONAL SERVICE ACTIVITY

Committee Member (2015-2022). Institutional Review Board (IRB), St. Catherine University, St. Paul, MN.

Reviewer (2012-2022). Research Council on Mathematics Learning (RCML) Conference Proceedings.

Campus Representative (2016-2022). A university representative for Minnesota Council of Teaching Mathematics (MCTM) CONNECT Committee, St. Catherine University, St. Paul, MN.

Advisor (2015-2022). Supervising Undergraduate and Graduate Students, St. Catherine University, St. Paul, MN.

Advisor (2014-2022). Graduate Action Research Projects, St. Catherine University, St. Paul, MN.

Committee Member (2014-2022). Graduate Action Research Committee, St. Catherine University, St. Paul, MN.

Committee Member (2014-2022). EdTPA Assessment Team, St. Catherine University, St. Paul, MN.

Committee Member (2020-2022). Assessment Committee, St. Catherine University, St. Paul, MN.

Interviewer (2014-2022). Pre-Student Teaching Interview, St. Catherine University, St. Paul, MN.

Co-editor (2020-2021). Journal of Mathematics Teacher Education in Texas, Association of Mathematics Teacher Educators in Texas.

Common Metrics Representative (2020-2021). The Network for Excellence in Teaching (NExT), Bush Foundation.

Presenter (2015-2021). Graduate Program Presentation, St. Catherine University, St. Paul, MN.

MAED Post Licensure Advising/Point-of-Contact (2020-2021). Degree Works, St. Catherine University, St. Paul, MN.

Committee Member (2019). Nursing Faculty Search, St. Catherine University, St. Paul, MN.

Committee Member (2017). Science Instructor Search, St. Catherine University, St. Paul, MN.

Committee Member (2015). Program Director Search, St. Catherine University, St. Paul, MN.

MTLE Tutor (2015). Prepare K-6 elementary teacher candidates for the MTLE test, St. Catherine University, St. Paul, MN.

Presenter (2015). Educational Workshop for St. Kate's student tutors, Center for Community Work and Learning, St. Catherine University, St. Paul, MN.

Presenter (2015). Teaching Learning Network, St. Catherine University, St. Paul, MN.

Teaching Assistant (2010). EDG 4930: *Classroom Interaction*, Professor Gloria Weber, University of Florida, Gainesville, FL.

Family Math Night Volunteer (2010). University of Florida, Gainesville, FL.

Co-facilitator (2010). Professional development for Alachua County teachers of grades 3-8, Engaging your students in mathematical communication: Using higher-order questioning and discourse skills in mathematics, University of Florida, Gainesville, FL.

Co-chair (2009). The 7th International Conference on Education and Information Systems, Technologies and Applications, Orlando, FL.

Student Mentor (2007). Project titled “Mirror Primes (Ayna Asallar)”, Mathematics and Sciences for Primary School Students held by the Turkish Ministry of Education.

Presenter (2006). Long term and short term research projects for undergraduate students, Marmara University, Istanbul.

Mathematics Tutor (2002-2008). Prepare elementary students for the Turkish National Anatolian High School Entrance Exam and prepare high school students for the Turkish National University Entrance Exam.

PROFESSIONAL MEMBERSHIPS

American Educational Research Association (Division C-Learning and Instruction)

Association of Mathematics Teacher Educators – StaR Fellow

University of Michigan – TeachingWorks Fellow

Association of Mathematics Teacher Educators in Texas

National Council of Teachers of Mathematics

North American Chapter of the International Group for the Psychology of Mathematics Education