

Serkan Özel

PhD

Contact

Primary Education
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Turkey



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education

- 2004-2009 **PhD** in Educational Psychology *Texas A&M University*
with specialization in Educational Technology
*Development and Testing of Achievement from Multiple Modes of
Mathematical Representation: Audio, Audio-Visual, and Kinesthetic*
- 1998-2004 BS & MS in Mathematics Education *Bogazici University*
Honor Graduate

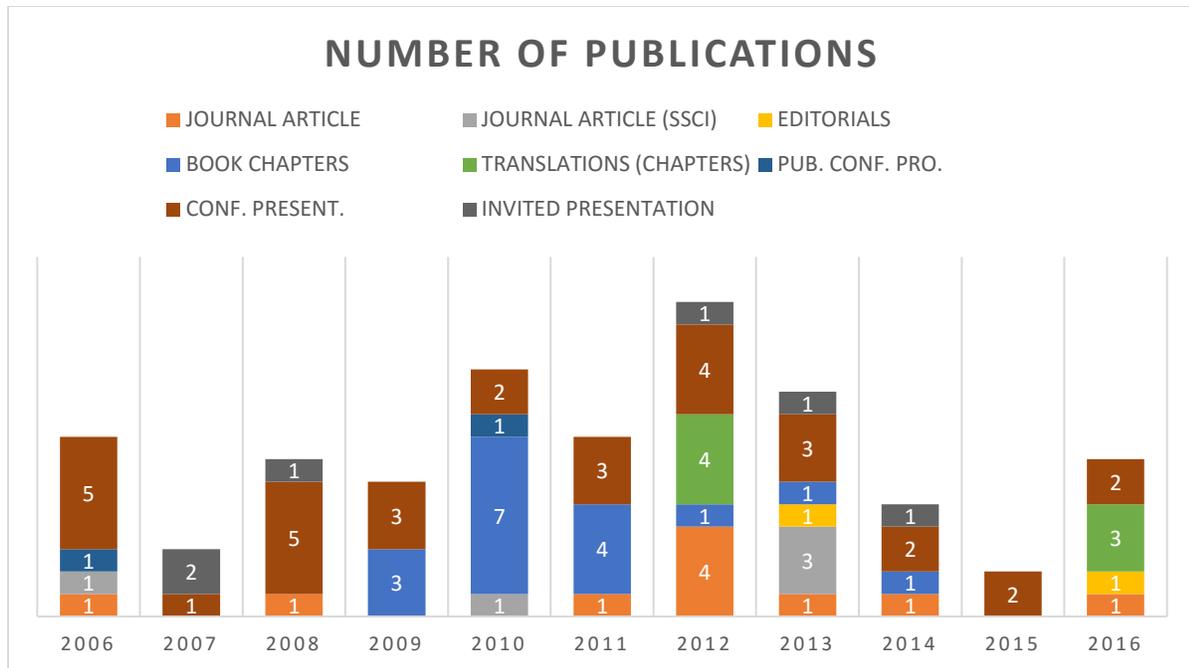
experience

- 2014-Now **DEPARTMENT HEAD**
Primary Education, Bogazici University, İstanbul, Turkey
- 2014-2014 **VICE DEPARTMENT HEAD**
Primary Education, Bogazici University, İstanbul, Turkey
- 2014-Now **ASSOCIATE PROFESSOR**
Primary Education, Bogazici University, İstanbul, Turkey
- 2013-2014 **ASSISTANT PROFESSOR**
Primary Education, Bogazici University, İstanbul, Turkey
- 2009-2013 **INSTRUCTOR**
Primary Education, Bogazici University, İstanbul, Turkey
- 2012-2012 **VISITING SCHOLAR**
University of Cyprus, Nicosia, Cyprus
- 2009-2010 **THIRD LIEUTENANT & MATHEMATICS/GEOMETRY TEACHER (6-12)**
Military Service (Mandatory), Artvin, Turkey
- 2007-2009 **PROFESSIONAL DEVELOPMENT PROVIDER FOR K-12 TEACHERS**
Waco and Dallas ISDs, Texas, USA
- 2009-2009 **VISITING SCHOLAR**
Rutgers University, New Brunswick, NJ, USA
- 2007-2009 **GRADUATE RESEARCH ASSISTANT**
Aggie-STEM Center, Texas A&M University, College Station, TX, USA
- 2007-2007 **GRADUATE RESEARCH ASSISTANT**
MTC (Mathematics TEKS Connections), Texas A&M University

- 2005-2007 **GRADUATE ASSISTANT**
Educational Technology, Texas A&M University
- 2002-2002 **TEACHER AND COUNSELOR**
Summer School, Robert College, Istanbul, Turkey
- 2002-2002 **INSTRUCTIONAL DESIGNER**
ENOCTA (Arthur Andersen, Avez, Probil) Educational Counseling, Istanbul, Turkey
- 2001-2002 **STUDENT RESEARCH ASSISTANT**
Secondary School Science and Mathematics Education, Bogazici University
- 2000-2001 **SCENARIO DEVELOPER FOR A SCIENTIFIC SOFTWARE**
Secondary School Science and Mathematics Education, Bogazici University

GRANTS/PROJECTS

- 2016-Now Children of the City
Explore It Through Sea
(Project #: 116B417)
Specialist **Sponsored by** *TUBITAK 4004 (51.966 TL)*
- 2014-Now Pera Children Book
Principal Investigator **Sponsored by** *Suna and Inan Kirac Foundation*
- 2014-Now Raising Awareness for Our
Global Cultural Heritage
Mentor **Sponsored by** *Dokuz Eylül University Scientific
Research Projects*
- 2012-2014 Experiencing and Learning
the Cultural Heritage of
My Country and My City
Istanbul and Sharing it with my Friends
Principal Investigator **Sponsored by** *Bogazici University (50.000 TL)
Vehbi Koc Foundation (40.000 TL)
Besiktas Municipality (120.000 TL)*



EDITORIAL

Nitko, A. J., & Bookhart, S. M. (2016). Educational assessment of students. In B. Bıçak, M. Bahar, & S. Özel (Trans. Eds.) Ankara, Turkey: Nobel Akademik. (Reprinted from *Educational assessment of students*, pp. 130-149, by A. J. Nitko, & S. M. Bookhart, 2011, Boston, MA: Allyn & Bacon)

Guest Editor (2013). *Mediterranean Journal for Research in Mathematics Education: An International Journal*, 12(1-2).

REFEREED JOURNAL ARTICLES

SSCI

Yetkiner Özel, Z. E., Özel, S., & Thompson, B. (2013). SES-related mathematics achievement gap in Turkey compared to European Union countries. *Education and Science*, 38(170), 179-193.

Özel, S. (2013). An analysis of in-service teachers' pedagogical content knowledge of division of fractions. *Anthropologist*, 16(1-2), 1-5.

Yetkiner Özel, Z. E., & Özel, S. (2013). Mathematics teacher quality: Its distribution and relationship with student achievement in Turkey. *Asia Pacific Education Review*, 14(2), 231-242. doi: 10.1007/s12564-013-9242-4

Capraro, R. M., Capraro, M. M., Yetkiner, Z. E., Özel, S., Kim, H. G., & Küçük, A. R. (2010). An international comparison of Grade 6 students' understanding of the equal sign. *Psychological Reports*, 106, 49-53.

Erkintin, E., Donmez, G., & Özel, S. (2006). Psychometric characteristics of the math anxiety scale. *Education and Science*, 31(140), 26-33.

INTERNATIONAL

Elia, I., Özel, S., Gagatsis, A., Panaoura, A., & Yetkiner-Özel, Z. E. (2016). Students' mathematical work on absolute value: focusing on conceptions, errors and obstacles. *ZDM Mathematics Education*. **Online First**. DOI 10.1007/s11858-016-0780-1

Özel, S., Yetkiner Özel, Z. E., & Cifuentes, L. D. (2014). Effectiveness of an online manipulative tool and students' technology acceptances. *International Journal of Educational Studies in Mathematics*, 1(1), 1-15.

Matteson, S. M., Zientek, L. R., & Özel, S. (2013). Identifying what in-service teachers want in professional development experiences. *Teacher Education and Practice*, 26(3), 569-580.

Zientek, L. R., Yetkiner Özel, Z. E., Özel, S., & Allen, J. (2012). Reporting confidence intervals and effect sizes: Collecting the evidence. *Career and Technical Education Research*, 37(3), 277-295. doi: 10.5328/cter37.3.277

*Ölmez, İ. B., & Özel, S. (2012). Mathematics anxiety among sixth and seventh grade Turkish elementary school students. *Procedia – Social and Behavioral Sciences*, 46, 4933-4937.

Özel, S. (2012). Learning rational numbers: An experimental multi-modal representation approach via technology. *Mediterranean Journal for Research in Mathematics Education: An International Journal*, 11(1-2), 59-79.

*Başol, B., Özel, S., & Özel-Yetkiner, Z. E. (2012). The relationship between reading comprehension competence and word problem comprehension among third-grade students. *Journal of European Education*, 1(1), 1-8.

Capraro, R. M., Capraro, M. M., Yetkiner, Z. E., Corlu, M. S., Özel, S., Ye, S., & Kim, H. G. (2011). An international perspective on students' understanding of the equal sign. *Mediterranean Journal for Research in Mathematics Education: An International Journal*, 10, 185-211.

Özel, S., Yetkiner, Z. E., & Capraro, R. M. (2008). Technology in k-12 mathematics classrooms. *School Science and Mathematics*, 108, 80-85.

Cifuentes, L., & Özel, S. (2006). Resources for attending to the needs of multicultural learners. *Knowledge Quest*, 35(2), 12-19.

BOOK CHAPTERS

INTERNATIONAL

- Memiş, R., Özel, S., & Özcan, M. (2014). Mathematics teachers' attitudes towards the integration of technology into mathematics classes. In H. Arslan, G. Rata, E. Kocayörük, & M. A. İçbay (Eds.), *Multidisciplinary Perspectives on Education* (pp. 145-152). New Castle, UK: Cambridge Scholars.
- Özel, S. (2012). Utilizing cognitive resources in user interface designs. In B. Khan (Ed.), *User interface design for virtual environments: Challenges and advances* (pp. 115-123). Hershey, PA: IGI Global.
- Özel, S., & Özel Yetkiner, Z. E (2011). Digital book readers. In S. J. Greenwald & J. E. Thomley (Eds.), *Encyclopedia of mathematics and society* (pp. 303-304). Pasadena, CA: Salem Press.
- Özel, S., & Özel Yetkiner, Z. E (2011). Representations in society. In S. J. Greenwald & J. E. Thomley (Eds.), *Encyclopedia of mathematics and society* (pp. 863-868). Pasadena, CA: Salem Press.
- Özel Yetkiner, Z. E, & Özel, S. (2011). Communication in society. In S. J. Greenwald & J. E. Thomley (Eds.), *Encyclopedia of mathematics and society* (pp. 219-225). Pasadena, CA: Salem Press.
- Özel Yetkiner, Z. E, & Özel, S. (2011). Measurement in society. In S. J. Greenwald & J. E. Thomley (Eds.), *Encyclopedia of mathematics and society* (pp. 640-645). Pasadena, CA: Salem Press.
- Yetkiner, Z. E, & Özel, S. (2010). One-tailed test. In N. J. Salkind (Ed.), *Encyclopedia of research design* (969-971). Thousand Oaks, CA: Sage.
- Stitt, J. R., & Özel, S. (2010). Introduction to Geographical Information Systems (GIS). In R. M. Capraro, M. M. Capraro, J. Morgan, & J. Scheurich (Eds.), *A companion to interdisciplinary STEM project-based learning: For teachers by teachers* (pp. 27-34). Rotterdam, the Netherlands: Sense.
- Stitt, J. R., & Özel, S. (2010). Intro to AutoCAD: Say goodbye to winter. In R. M. Capraro, M. M. Capraro, J. Morgan, & J. Scheurich (Eds.), *A companion to interdisciplinary STEM project-based learning: For teachers by teachers* (pp. 43-48). Rotterdam, the Netherlands: Sense.
- Stitt, J. R., & Özel, S. (2010). Geographical Information Systems (GIS): Define the world as you see it. In R. M. Capraro, M. M. Capraro, J. Morgan, & J. Scheurich (Eds.), *A companion to interdisciplinary STEM project-based learning: For teachers by teachers* (pp. 127-132). Rotterdam, the Netherlands: Sense.
- Stitt, J. R., & Özel, S. (2010). Geographical Information Systems (GIS): Neighborhood project. In R. M. Capraro, M. M. Capraro, J. Morgan, & J. Scheurich (Eds.), *A companion to interdisciplinary STEM project-based learning: For teachers by teachers* (pp. 133-138). Rotterdam, the Netherlands: Sense.
- Stitt, J. R., & Özel, S. (2010). Geographical Information Systems (GIS) and the business models. In R. M. Capraro, M. M. Capraro, J. Morgan, & J. Scheurich (Eds.), *A companion to interdisciplinary STEM project-based learning: For teachers by teachers* (pp. 145-153). Rotterdam, the Netherlands: Sense.
- Stitt, J. R., & Özel, S. (2010). Is our library floor plan conducive for learning? In R. M. Capraro, M. M. Capraro, J. Morgan, & J. Scheurich (Eds.), *A companion to interdisciplinary STEM project-based learning: For teachers by teachers* (pp. 155-161). Rotterdam, the Netherlands: Sense.

Özel, S., Yetkiner, Z. E., Capraro, R. M., & Kupcu, A. R. (2009). Young adolescent education in Turkey. In S. B. Mertens, V. Anfara, & K. Roney (Eds.), *An international look at educating young adolescent* (pp. 1-23). Charlotte, NC: Information Age.

Cifuentes, L., & Özel, S. (2009). Using technologies to support STEM project-based learning. In R. M. Capraro & S. W. Slough (Eds.), *Project-based learning: An integrated sciences, technology, engineering, and mathematics (STEM) approach* (pp. 67-78). Rotterdam, the Netherlands: Sense.

Özel, S. (2009). W³ of STEM PBL. In R. M. Capraro & S. W. Slough (Eds.), *Project-based learning: An integrated sciences, technology, engineering, and mathematics (STEM) approach* (pp. 117-134). Rotterdam, the Netherlands: Sense.

NATIONAL

Özel, S., & Yetkiner-Özel, Z. E. (2013). Etkileşimli beyaz tahtalar [Interactive white boards]. In M. Doğan & E. Karakırık (Eds.), *Matematik Eğitiminde Teknoloji Kullanımı [Technology Use in Mathematics Education]* (pp. 377-386). Türkiye: Nobel/Atlas.

TRANSLATIONS

Nitko, A. J., & Bookhart, S. M. (2016). Educational assessment of students (B. Bıçak & S. Özel, Trans.). In B. Bıçak, M. Bahar, & S. Özel (Eds.), *Validity of Assessment Results (34-62)*, Ankara, Turkey: Nobel Akademik. (Reprinted from *Educational assessment of students*, pp. 34-62, by A. J. Nitko, & S. M. Bookhart, 2011, Boston, MA: Allyn & Bacon)

Nitko, A. J., & Bookhart, S. M. (2016). Educational assessment of students (S. Özel, Trans.). In B. Bıçak, M. Bahar, & S. Özel (Eds.), *Planning for Integrating Assessment and Instruction (105-129)*, Ankara, Turkey: Nobel Akademik. (Reprinted from *Educational assessment of students*, pp. 105-129, by A. J. Nitko, & S. M. Bookhart, 2011, Boston, MA: Allyn & Bacon)

Nitko, A. J., & Bookhart, S. M. (2016). Educational assessment of students (S. Özel, Trans.). In B. Bıçak, M. Bahar, & S. Özel (Eds.), *Diagnostic and Formative Assessments (130-149)*, Ankara, Turkey: Nobel Akademik. (Reprinted from *Educational assessment of students*, pp. 130-149, by A. J. Nitko, & S. M. Bookhart, 2011, Boston, MA: Allyn & Bacon)

Van de Walle, J. A., Karp, K. S., & Bay-Williams, J. M. (2012). Elementary and middle school mathematics: Teaching developmentally (S. Özel & Z. E. Yetkiner Özel, Trans.). In S. Durmus (Ed.), *Developing strategies for fraction computation (309-327)*, Ankara, Turkey: Nobel Akademik. (Reprinted from *Elementary and middle school mathematics: Teaching developmentally*, pp. 309-327, by J. A. Van de Walle, K. S. Karp, & J. M. Bay-Williams, 2010, Boston, MA: Pearson)

Van de Walle, J. A., Karp, K. S., & Bay-Williams, J. M. (2012). Elementary and middle school mathematics: Teaching developmentally (S. Özel & Z. E. Yetkiner Özel, Trans.). In S. Durmus (Ed.), *Developing*

fraction concepts (286-308), Ankara, Turkey: Nobel Akademik. (Reprinted from *Elementary and middle school mathematics: Teaching developmentally*, pp. 286-308, by J. A. Van de Walle, K. S. Karp, & J. M. Bay-Williams, 2010, Boston, MA: Pearson)

Van de Walle, J. A., Karp, K. S., & Bay-Williams, J. M. (2012). Elementary and middle school mathematics: Teaching developmentally (S. Özel & Z. E. Yetkiner Özel, Trans.). In S. Durmus (Ed.), *Developing strategies for whole-number computation (213-239)*, Ankara, Turkey: Nobel Akademik. (Reprinted from *Elementary and middle school mathematics: Teaching developmentally*, pp. 213-239, by J. A. Van de Walle, K. S. Karp, & J. M. Bay-Williams, 2010, Boston, MA: Pearson)

Van de Walle, J. A., Karp, K. S., & Bay-Williams, J. M. (2012). Elementary and middle school mathematics: Teaching developmentally (S. Özel & Z. E. Yetkiner Özel, Trans.). In S. Durmus (Ed.), *Developing whole-number place-value concepts (187-212)*, Ankara, Turkey: Nobel Akademik. (Reprinted from *Elementary and middle school mathematics: Teaching developmentally*, pp. 187-212, by J. A. Van de Walle, K. S. Karp, & J. M. Bay-Williams, 2010, Boston, MA: Pearson)

PUBLISHED CONFERENCE PROCEEDINGS

Özel, S., & Yetkiner, Z. E. (2010). Multiple representation perspective and students' acceptance of an online manipulative tool. In J. Sanchez & K. Zhang (Eds.), *Proceedings of E-Learn 2010 (2671-2680)*. Chesapeake, VA: Association for the Advancement of Computing in Education.

Adiguzel, T., Zellner, R., & Özel, S. (2006). Revolutionizing reusable adaptive learning objects: Software for cross-platform development and delivery. In E. Pearson & P. Bohman (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2006* (pp. 2048-2053). Chesapeake, VA: Association for the Advancement of Computing in Education.

INVITED PRESENTATIONS

Özel, S. (2014, December 16). Panelist at the *Education Monitoring Report 2013 Meeting*, Bogazici University, Istanbul, Turkey.

Özel, S. (2013, November). *Curriculum Development and Textbook Writing*. Presented at Trends in Mathematics Education Reform Conference, Bogazici University, Istanbul, Turkey.

Özel, S. (2012, September). *A seminar on developing and writing a project*. Presented at Fatih High Schools, Istanbul, Turkey.

Özel, S. (2008, February). *A technology intervention using multiple representations on mathematics*. Presented at the UT-A&M Meeting at Texas A&M University, College Station, TX.

Özel, S. (2007, December). *The use of educational technologies in k-12*. Invited address at Polatli TED High School, Ankara, Turkey.

Capraro, R. M., Wright, K., Yetkiner, Z. E., Indiogine, S. E., Özel, S., & Piccolo, D. (2007, May). *PK-4 module research component: Assessing the mathematics content knowledge of fraction and place value concepts in early grades preservice teachers*. Presented at the Aiming for Excellence in Mathematics Teacher Preparation Seminar, College Station, TX.

REFEREED CONFERENCE PRESENTATIONS

Yetkiner Özel, Z. E., & Özel, S. (2015, February). *Problems with using gpas to rank students from different programs*. Paper presented at the 38th annual conference of Southwest Educational Research Association, San Antonio, TX.

Sülün Taş, A., & Özel, S. (2015, February). *Webcast as a way to improve fifth grade students' mathematics achievement and their attitudes toward mathematics*. Paper presented at the 38th annual conference of Southwest Educational Research Association, San Antonio, TX.

Özel, S., Özerem, A., & İnci, E. (2014, September). Matematik dersinde yaratıcı dramanın yöntem olarak kullanılmasının öğrenci tutum ve başarısına etkisi [The effect of creative drama activities in mathematics classrooms on students' attitudes and achievement]. Panel presented at XI National Science and Mathematics Education Congress, Adana, Turkey.

Özel, S., Yetkiner Özel, Z. E., Zientek, L. R., & Cory, B. (2014, September). Öğretmen adaylarının Van Hiele geometrik anlama düzeyleri: ABD ve Türkiye karşılaştırması [Pre-service teachers' Van Hiele geometric understanding levels: US and Turkey comparison]. Panel presented at XI National Science and Mathematics Education Congress, Adana, Turkey.

Yetkiner Özel, Z. E., Zientek, L. R., & Özel, S. (2013, February). *Flexible Teaching of Statistical Significance Testing & Confidence Intervals*. Paper presented at the 36th annual conference of Southwest Educational Research Association, San Antonio, TX.

Mısır, M. E., Dönmez, A. B., Özel, S., & Yetkiner Özel, Z. E. (2013, February). *A Content Analysis of Gender Roles in Turkish Science Textbooks*. Paper presented at the 36th annual conference of Southwest Educational Research Association, San Antonio, TX.

Yetkiner Özel, Z. E., & Özel, S. (2013, February). *Controversy on Statistical Significance Testing and Information on Some Alternative Reporting Strategies*. Paper presented at the 36th annual conference of Southwest Educational Research Association, San Antonio, TX.

Özel, S., Yetkiner Özel, Z. E., Başol, B., Erdik, E., Eren, M., & Ölmez, İ. B. (2012, September). A Content Analysis of Gender Roles in Turkish Mathematics Textbooks. Paper presented at MEDCONF 2012: 7th Mediterranean Conference on Mathematics Education, Nicosia, Cyprus.

Çorlu, M. A., Adıgüzel, T., Ayar, M. C., Çorlu, M. S., & Özel, S. (2012, July). *Bilim, Teknoloji, Mühendislik ve Matematik (BTMM) Eğitimi: Disiplinlerarası Çalışmalar ve Etkileşimler* [Science, Technology, Engineering, and Mathematics (STEM) Education: Interdisciplinary Studies and Interactions]. Panel presented at X National Science and Mathematics Education Congress, Niğde, Turkey.

Matteson, S. M., Zientek, L. R., Özel, S., & Yetkiner, Z. E. (2012, February). *Next Steps in Professional Development for Mathematics Teacher*. Paper presented at the annual meeting of Southwest Educational Research Association, New Orleans, LA.

Özel, S., Yetkiner, Z. E., & Zientek, L. R. (2012, February). *Van Hiele Levels of Geometric Understanding in Preservice Teachers*. Paper presented at the annual meeting of Southwest Educational Research Association, New Orleans, LA.

*Erdik, E., & Özel, S. (2011, September). *Matematik Başarısındaki Duygusal Değişkenlerin İncelenmesi*. Paper presented at I. Eğitim Bilimleri Öğrenci Araştırmaları Sempozyumu, Kayseri, Turkey.

- *Dönmez, A. B., & Özel, S. (2011, September). *Perceived Social Support from Family, Friends and Class Teacher of 4th Grade Gifted Class Students*. Paper presented at I. Eğitim Bilimleri Öğrenci Araştırmaları Sempozyumu, Kayseri, Turkey.
- *Başol, B., & Özel, S. (2011, September). *Okuduğunu Kavrama Becerisinin Matematik Problemlerini Çözme Üzerindeki Etkisi*. Paper presented at I. Eğitim Bilimleri Öğrenci Araştırmaları Sempozyumu, Kayseri, Turkey.
- Özel, S., & Yetkiner, Z. E. (2010, October). *Multiple Representation Perspective and Students' Acceptance of an Online Manipulative Tool*. Paper presented at E-Learn, Orlando, FL.
- Yetkiner, Z. E., & Özel, S. (2010, February). *Effectiveness of OMT and students' technology acceptance*. Paper presented at the annual meeting of Southwest Educational Research Association, New Orleans, LA.
- Yetkiner, E. Z., & Özel, S. (2009, April). *Turkish middle school students' perspective on the equal sign*. Paper presented at the American Educational Research Association, San Diego, CA.
- Scheurich, J. J., Gonzalez, M. L., Dantley, M. E., Huggins, K. S., & Özel, S. (2009, April). *Systemic institutional racism in U.S. schools and society: An innovative, multimediac, and interactive session*. Paper presented at the American Educational Research Association, San Diego, CA.
- Özel, S., Vural, O. F., & Adiguzel, T. (2009, February). *Designing and developing virtual manipulatives for middle grade students*. Paper presented at the 32nd annual conference of Southwest Educational Research Association, San Antonio, TX.
- Özel, S. (2008, August). *Using multiple representations in teaching and learning mathematics*. Paper presented at the fourth conference of Young Researchers in European Society for Research in Mathematics Education, Trabzon, Turkey.
- Özel, S., Capraro, R. M., & Yetkiner, E. Z. (2008, July). *A technology intervention using multiple representations on mathematics*. Paper presented at the 11th conference of International Congress on Mathematical Education, Monterrey, Mexico.
- Özel, S. (2008, June). *A virtual environment with multiple representations to teach fractions*. Paper presented at the AECT Research Symposia, Instructional Design for Complex Learning: Exploring the Issues, Bloomington, Indiana.
- Özel, S. (2008, February). *Ways of resolution of cultural conflicts and dealing with multiculturalism*. Paper presented at the 31st annual conference of Southwest Educational Research Association, New Orleans, LA.
- Yetkiner, Z. E., & Özel, S. (2008, February). *Understanding the one-parameter Rasch model: A spreadsheet approach*. Paper presented at the 31st annual conference of Southwest Educational Research Association, New Orleans, LA.
- Özel, S. (2007, September). *Socratic seminar*. Discussant at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- Zellner, R., Adiguzel, T., & Özel, S. (2006, October). *Digitized video research tools: Integrated resources for data collection, content analyses, and transcription*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Dallas, TX.
- Cifuentes, L., & Özel, S. (2006, June). *Designing instruction for international learners*. A concurrent session for the National Educational Computing Conference of the International Society for Technology in Education, San Diego, CA.

- Adiguzel, T., Zellner, R., & Özel, S. (2006, June). *Revolutionizing reusable adaptive learning objects: Software for cross-platform development and delivery*. Paper presented at the annual meeting of the World Conference on Educational Multimedia, Hypermedia & Telecommunications, Orlando, FL.
- Zellner, R., Adiguzel, T., & Özel, S. (2006, February). *Embedded video: Creating, managing, accessing, and optimizing the resources in digitized video*. Paper presented at the annual meeting of the Teaching with Technology Conference (TWTC), College Station, TX.
- Zellner, R., Özel, S., & Adiguzel, T. (2006, February). *Maintaining online course management systems: Local and institutional issues of development and delivery*. Paper presented at the annual meeting of the Teaching with Technology Conference (TWTC), College Station, TX.
- Zellner, R., Peden, E., Özel, S., & Adiguzel, T. (2005, October) *Embedded video: Creating, managing, accessing, and optimizing the resource in digitized video*. A concurrent session for the International Association for Educational Communications and Technology, Orlando, FL.
- Özel, S. (2001, September). *Determining and assessing children's image of science and scientists*. A poster presentation for the Science Education Congress, Istanbul, Turkey.

WORKSHOPS DELIVERED

- August 2015 *Fen bilgisi dersinde 5E modelinin FeTeMM eğitimi kuramına göre uygulama ilke ve örnekleri [Applying 5E model in middle school science according to the STEM education principles] An invited presentation at the FeTeMM Eğitimi Yaklaşımı: Fen Sınıflarının Disiplinler Arası Bağlarla Güçlendirilmesi 4005 TÜBİTAK Project. Sinop University, Sinop, Turkey. [8 contact hours of professional development]*
- August 2013 *Assessment and Evaluation – Erzurum (Ministry of National Education)
This one week seminar is delivered to over 300 teachers from different disciplines on assessment and evaluation.*
- May 2013 *Dynamic Geometry Tools – Irmak Schools
This one hour seminar is designed for teachers to provide introductory information on dynamic geometry tools and to show some examples.*
- May 2013 *Productivity Tools – Irmak Schools
This one hour seminar is designed for teachers to provide information about utility tools that they may use in their teaching and organization for teaching.*
- November 2012 *Features of GeoGebra - Bahçeşehir University
The one-day workshop is delivered to graduate students and faculty members of the Mathematics Department at Bahceshir University to introduce GeoGebra and its college level applications.*
- October 2012 *Introduction to Geometer's Sketchpad – Bahçeşehir University
The one-day workshop is delivered to graduate students and faculty members of the*

Mathematics Department at Bahcesehir University to introduce Geometer's Sketchpad and its college level applications.

- September 2012 Geometry with Geometer's Sketchpad - Mersin
The workshop is delivered to 7th grade students to teach geometrical concepts using Geometer's Sketchpad by simulating a carousel. This workshop is designed for a TUBITAK project called "Who is Afraid of Math [Kim Korkar Matematikten]."
- June 2012 Geometer's Sketchpad – Istanbul
The workshop is delivered to high school teachers to teach how to use Geometer's Sketchpad in Geometry and Algebra courses.
- June 2011 Technology and Dynamic Geometry in Mathematics Education - Konya
The workshop is designed to provide teachers with information on the emerging technologies in mathematics education.

AWARDS

Lechner Graduate Program Grant **(2009)**

11th International Congress on Mathematics Education (ICME 11) Grant **(2008)**

4-Year Sponsorship from the Government of the Republic of Turkey for Ph.D. at Texas A&M University **(2004)**

COURSES TAUGHT

- PRED 154 Academic Orientation for Mathematics and Science Teachers
- PRED 350 Teaching Geometry
- PRED 372 Teaching Mathematics II
- PRED 460 Research Methods in Math and Science Education
- PRED 461 Computer Assisted Mathematics Teaching
- PRED 462 Applied Research in Mathematics and Science Education
- PRED 465 School Experience in Teaching Mathematics and Science
- PRED 501 Advanced Quantitative Research Methods
- PRED 564 Learning Environment in Primary Mathematics and Science
- PRED 570 Guided Reading in Primary Education

PROFESSIONAL SERVICE

Committees at Bogazici University

2015-Now	<i>Executive Board Member - Applied Tourism and Research Centre (ATARC)</i>
2015-Now	<i>General Assembly Member - Applied Tourism and Research Centre (ATARC)</i>
2015-Now	<i>Editorial Board Member - Boğaziçi University Journal of Education</i>
2014-Now	<i>Member - Faculty Senate</i>
2012-Now	<i>Member - Executive Committee of Student Information and Registration System</i>
2012-Now	<i>Member - Executive Committee of Review of Promotion and Title Change Applications</i>
2002-2003	<i>Member - Ethics Committee (Student representative on the committee)</i>

Editorial/Advisory Boards, Scientific Committees

2015-Now	Bogazici University Journal of Education (BUJE)
2014-Now	International Journal of Educational Studies in Mathematics (IJESIM)
2013-Now	Educational Sciences: Theory & Practice (ESTP)
2012-Now	Mediterranean Journal for Research in Mathematics (MJRME)

Reviewer

2016-Now	(1)	Eurasian Journal of Educational Research
2015-Now	(3)	Mathematics Education
2015-Now	(1)	SAGE Open
2015-Now	(1)	Kastamonu Education Journal
2015-Now	(1)	International Journal of Educational Studies in Mathematics (IJESIM)
2015-Now	(1)	Sakarya University Faculty of Education Journal (SUJEF)
2014-Now	(2)	Education and Science
2014-Now	(1)	Mersin University Faculty of Education Journal
2013-Now	(1)	Hacettepe University Journal of Education
2013-Now	(3)	Turkish Journal of Computer and Mathematics Education (TURCOMAT)
2012-Now	(1)	Educational Sciences: Theory & Practice (ESTP)
2012-Now	(2)	MAT-DER Matematik Eğitimi Dergisi [Mathematics Education Journal]

2010-Now **(1)** School Science and Mathematics Journal (SSMJ)
2009-Now **(3)** Southwest Educational Research Association (SERA)
2007 **(10)** Association for Educational Communications and Technology (AECT)

Organization Memberships

2012-Now *Founding member* - Mathematics Educators Society
2012-Now *Founding member* – T-STEM (Turkish STEM)
2011 *Local Organizing & Scientific Committee Member* - Asian Technology Conference in Mathematics

Other

2006-2008 *President* – Turkish Student Association at Texas A&M University
2004-2006 *Vice-President* – Turkish Student Association at Texas A&M University
2002-2003 *Vice-President*- Student Body at University Level at Bogazici University
2002-2003 *President*- Student Body at Faculty Level at Bogazici University
2002-2003 *President*- Student Body at Department Level at Bogazici University