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Director of Learning and Teaching
Ozyegin University
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EDUCATION and QUALIFICATIONS

- 2002 – 2008 **Texas A&M University**, College Station
Ph.D. in Educational Psychology (specialization in Educational Technology)
Dissertation: “Dependability and Acceptability of Handheld Computers in School-based Data Collection”
- 1999 – 2001 **Bogazici University** (official language is English), Istanbul, Turkey
M.Sc. in Mathematics Education with an emphasis on computer-based multiple representations to help children solve word problems
- 1994 - 1999 **Marmara University** (official language is English), Istanbul, Turkey
B.Sc. with highest honors in Mathematics Education

TEACHING and TRAINING EXPERIENCE

- Fall 2020 – Present Teaching Undergraduate Courses
Sectoral Education Program, Ozyegin University, Turkey.
- Fall 2009 – 2020 Teaching Undergraduate and Graduate Level Courses
Computer Education and Instructional Technologies, Faculty of Educational Sciences, Bahcesehir University, Turkey.
- Fall 2008 Co-taught an online graduate course called *e-Research*, which has both face-to-face and online components.
This course focuses on computer-based applications (mainly web-based) for use at every stage in conducting qualitative and quantitative instructional technology research.
Texas A&M University
- February 2008 Science Key Vocabulary Assessment (SKeVA) system training,
Texas Region I Districts
- November 2007 e-DBRC (Electronic Daily Behavior Report Card) system training,
Texas Region VI Districts
- September 2006 Web-based technology and paperwork reduction in-service training,
Project Staff
- March 2006 Web-based technology and paperwork reduction in-service training,
College Station Independent School District (Texas)

- March 2006 Web-based technology and paperwork reduction in-service training, Bryan Independent School District (Texas)
- October 2005 Paperwork reduction and wireless synchronization of data in-service training, Bryan Independent School District (Texas)
- October 2005 Paperwork reduction and wireless synchronization of data in-service training, College Station Independent School District (Texas)
- 2000 - 2002 Teaching Assistant and Lecturer
Yeditepe University (official language is English), Istanbul, Turkey
Faculty of Arts and Science, Department of Mathematics
- 1999 - 2000 Computer Teacher
Fikret Yuzatli Secondary School, Istanbul, Turkey
- 1994 - 2002 Private math tutor
Istanbul, Turkey

CREATIVE and PROFESSIONAL WORK

- 2020 – Present *Founder and Director*, Learning and Teaching Enhancement Office at Ozyegin University, Turkey.
- 2020 – Present *Full Professor* at Ozyegin University, Turkey, Sectoral Education Program (official language is English).
- 2018 – 2020 *Full Professor* at Bahcesehir University, Turkey, Faculty of Educational Sciences, Computer Education and Instructional Technologies (official language is English).
- 2012 – 2018 *Associate Professor* at Bahcesehir University, Turkey, Faculty of Educational Sciences, Computer Education and Instructional Technologies (official language is English).
- 2012 – 2017 *Founder and Coordinator*, Office of Distance Education at Bahcesehir University, Turkey.
- 2015 – 2016 *Founder and Coordinator*, Office of STEM Education at Bahcesehir University, Turkey.
- 2011 – 2014 *Associate Dean* at Bahcesehir University, Turkey, Faculty of Arts & Sciences.
- 2011 – 2014 *Program Coordinator* at Bahcesehir University, Turkey, Graduate School of Educational Sciences, Educational Technology (official language is English).

- 2009 – 2012 *Assistant Professor* at Bahcesehir University, Turkey, Faculty of Arts & Sciences, Computer Education and Instructional Technologies (official language is English).
- 2008 – 2010 *Assistant Research Scientist* in Project Data to Knowledge (D2K) at Texas A&M University, College of Education, Department of Educational Psychology
- Create online data management systems
 - Assist school and university personnel with planning, organizing and controlling database systems and associated activities
 - Consult with public schools on Web security-related issues
 - Assist and mentor data collectors on technical issues
 - Provide assistance on technology purchases
 - Produce reports and summaries for management
- 2005 – 2008 *Senior Database Administrator* in Project Data to Knowledge (D2K) at Texas A&M University, College of Education, Department of Educational Psychology
- 2004 – 2005 *Volunteer* in Middle School Mathematics Project, Department of Teaching, Learning and Culture, Texas A&M University
- Helped plan meetings and communicate with co-sites (the American Association for the Advancement of Science Project 2061 and the University of Delaware)
 - Analyzed teacher videos
- 2002 – 2005 *Webmaster* for Texas A&M University Educational Technology Program, College of Education
- Created dynamic websites for staff, students, faculty and the community, and developed and implemented security measures to prevent and detect/monitor unauthorized and inappropriate use
 - Backed up the databases each week
 - Produced four online systems: syllabi management, Ph.D. tracking, technology equipment reservation, and event management
- Technology and WebCT Consultant*
- Became proficient in WebCT, Adobe Photoshop and Macromedia Flash and used these programs to benefit needs of faculty in the Educational Psychology program
 - Helped Educational Psychology faculty, staff and students integrate technology into their instructional techniques and projects
 - Taught faculty, staff and students how to safely use the web, to evaluate web sites for usefulness and validity, and to open e-mail only from trusted sources

Lab Administrator

- Maintained all hardware, software, and network issues to ensure that all computers and servers ran properly
- Helped students in Educational Psychology solve problems related to hardware and software

1996 - 1999

Instructional Media Specialist, Computer Systems, Istanbul, Turkey

- Developed and maintained instructional stand-alone applications for high school students throughout Turkey
- Managed the multimedia department and consulted with schools regarding the use of multimedia

Student Assistant, Marmara University, Istanbul, Turkey

- Advised freshmen on academic and course-related questions
- Provided hardware and software support for computer-based applied math courses
- Wrote technology articles for the math department's monthly newsletter

PUBLICATIONS

Peer Reviewed Publications

Özmen, N., **Adigüzel, T.**, & Özel, S. (2020, in press). FETEMM odaklı olarak tanımlanan ders planlarının özellikleri: Bir meta-sentez çalışması. *Boğaziçi Üniversitesi Eğitim Dergisi*.

Adiguzel, T., Kamit, T., & Ertas, B. (2020). Teaching and learning experiences with enhanced books in engineering math and science courses. *Contemporary Educational Technology, 11*(2), 143-158. <https://doi.org/10.30935/cet.660725>

Coskun, Z.N., **Adiguzel, T.** & Catak, G. (2019). Acoustic Labyrinth: Validation of a game – based heart auscultation educational tool. *World Journal on Educational Technology, 11*(4), 245-256. <https://doi.org/10.18844/wjet.v11i4.4394>

Avcı, H., & **Adiguzel, T.** (2017). A case study on mobile-blended collaborative learning in an English as a Foreign Language (EFL) context. *International Review of Research in Open and Distributed Learning, 18*(7), 45-58.

Yalçın-Tepe, F. D., & **Adiguzel, T.** (2017). The process of change through technology in educational institutions: A case from a higher education institution. *Electronic Journal of Social Sciences, 16*(63), 1242-1261.

Adiguzel, T., Varank, I., Erkoc, M. F., & Koskeroglu-Buyukimdat (2017). Examining a Web-Based Peer Feedback System in an Introductory Computer Literacy Course. *EURASIA Journal of Mathematics Science and Technology Education, 13*(1), 237-251.

Bahar, A. & **Adiguzel, T.** (2016). Analysis of factors influencing interest in stem career: comparison between American and Turkish high school students with high ability. *Journal of STEM Education: Innovations and Research, 17*(3), 64-69.

- Alver, E., **Adiguzel, T.**, & Ozturk, O. (2016). School safety study on 11 different schools in Istanbul. *International Journal of Eurasia Social Sciences*, 7(23), 274-298.
- Altinisik, H. Z., & **Adiguzel, T.** (2016). Cihaz, Yer ve Zamandan Bağımsız Öğrenmenin Özetlenmiş Bir Değerlendirmesi (A Brief Review of Ubiquitous Learning). *Ardahan Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi*, 3, 121-130.
- Marangoz, G., Aydın, H., & **Adiguzel, T.** (2015). The perception of teachers towards multicultural education. *Turkish Studies - International Periodical For the Languages, Literature and History of Turkish or Turkic*, 10(7), 709-720. doi:10.7827/TurkishStudies.8025
- Sahin, A., & **Adiguzel, T.** (2014). Effective teacher qualities from international mathematics, science, and computer teachers' perspectives. *The Eurasia Journal of Mathematics, Science & Technology Education*, 10(6), 635-646. doi:10.12973/eurasia.2014.1119a
- Hopcan, S., Polat, E., & **Adiguzel, T.** (2014). Examining the opinions of the students enrolled in a double major program. *Hasan Ali Yucel Journal of Education*, 11(22), 287-299.
- Varank, I., **Adiguzel, T.**, Erkoç, M. F., Koskeroglu-Buyukimdat, M., Aktas, M., Comert, Z., Yeni, S., & Esgin, E. (2014). Effectiveness of an online automated evaluation and feedback system in a basic computer literacy course. *The Eurasia Journal of Mathematics, Science & Technology Education*, 10(5), 395-404.
- Sahin, A., Ayar, M.C., & **Adiguzel, T.** (2014). STEM related after-school program activities and associated outcomes on student learning. *Educational Sciences: Theory & Practice*, 14(1), 297-322.
- Hopcan, S., Polat, E., Irak, M., & **Adiguzel, T.** (2013). Computerizing the cancellation test: Design, development and validation study. *World Journal on Educational Technology*, 5(2), 281-290.
- Polat, E., **Adiguzel, T.**, & Akgun, O.E. (2012). Adaptive Web-assisted learning system for students with specific learning disabilities: A needs analysis study. *Educational Sciences: Theory & Practice*, 12(4), 3243-3258.
- Simsek, H., & **Adiguzel, T.** (2012). Towards a new university paradigm. *Education and Science*, 37(166), 250-261.
- Adiguzel, T.** (2011). Use of audio modification in science vocabulary assessment. *The Eurasia Journal of Mathematics, Science & Technology Education*, 7(4), 215-225.
- Adiguzel, T.**, Capraro, R. M., & Willson, V. L. (2011). An examination of teacher acceptance of handheld computers. *International Journal of Special Education*, 26(3), 12-27.
- Adiguzel, T.**, Gurbulak, N., & Saricayir, H. (2011). Smart boards and their instructional uses. *Mustafa Kemal University Journal of Social Sciences Institute*, 8(15), 457-471.
- Ata, N., & **Adiguzel, T.** (2011). Stages technique in concept mapping: Its effect on students' concept-map creating level and achievement in math education. *University of Gaziantep Journal of Social Sciences*, 10(2), 803-823.

Adiguzel, T., Vannest, K. J., & Parker, R. E. (2009). Are handheld computers dependable? A new data collection system for classroom-based observations. *Journal of Special Education Technology, 24*(4), 31-46.

Adiguzel, T., Vannest, K. J., & Zellner, R. (2009). The use and efficacy of handheld computers for school-based data collection: A literature review. *Computers in the Schools, 26,* 187-206.

Vannest, K. J., Brown, L. M., Dyer, N., Maney, S., Mason, B., & **Adiguzel, T.** (2009). Instructional settings in science for students with disabilities and implications for teachers. *Journal of Science Teacher Education, 20,* 353-363.

Adiguzel, T. (2008). Advantages of using handheld computers against other methodologies for data collection. *School Science and Mathematics, 108,* 224-226

Adiguzel, T., & Vannest, K. J. (2008). Web-based formative assessment as evidence based practice in science instruction. *School Science and Mathematics, 108,* 127-129.

Shores, K.A., Montandon, K.A., **Adiguzel, T.,** & Hunt, M.A. (2005). A critical analysis of the portrayal of female professional athletes in *Sports illustrated* 1963-2003. *Research Quarterly for Exercise & Sport, (Supplement) 75*(1), A-110.

Adiguzel, T., & Akpinar, Y. (2001). Improving children's problem solving skills through computer-based multiple representations. *Educational Sciences: Theory & Practice, 1*(2), 231-244.

Peer Reviewed Conference Proceedings

Akçay, N., Avci, H., Gungor, A. & **Adiguzel, T.** (2018). The relationship between computer programming and English language skills. In V. Dagiene & E. Jasute (Eds.), *Proceedings of Constructionism 2018* (pp. 782-785). Vilnius, Lithuania.

Avci, H. & **Adiguzel, T.** (2017). Project-based foreign language learning in a mobile-blended collaborative learning setting: A case study of EFL learners. In P. Resta & S. Smith (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2017* (pp. 520-523). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Gencer, B.G., Gurbulak, N., & **Adiguzel, T.** (2014). A new approach in learning and teaching: The Flipped Classroom. In A.C. Ilhan, A. Isman, C. Birol & A. Eskicumali (Eds.), *Proceedings of International Teacher Education Conference* (pp. 881-888). Sakarya: Turkey.

Onat, E.C., Kuruoglu, N., & **Adiguzel, T.** (2014). Teaching an EAP Course in a Synchronous Videoconferencing Platform: Technological, Pedagogical and Administrative Reflections. In A.C. Ilhan, A. Isman, C. Birol & A. Eskicumali (Eds.), *Proceedings of International Teacher Education Conference* (pp. 639-646). Sakarya: Turkey.

Sahin, A. & **Adiguzel, T.** (2012). Effective Teachers' Qualities from International Teachers' Perspectives. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 3296-3298). Chesapeake, VA: AACE.

Hopcan, S., Polat, E., Irak, M., & **Adiguzel, T.** (2011). Computerizing the cancellation test: Design, development and validation study. In *Proceedings of the International Educational Technology Conference (IETC) 2011* (pp. 213-220). Sakarya, Turkey.

Beldagli, B., & **Adiguzel, T.** (2010). Illustrating an ideal adaptive e-learning: A conceptual framework. *Procedia - Social and Behavioral Sciences*, 2, 5755-5761.

Yasar, O., & **Adiguzel, T.** (2010). A working successor of learning management systems: SLOODLE. *Procedia - Social and Behavioral Sciences*, 2, 5682-5685.

Adiguzel, T. (2010). Perspectives on E-Learning Symposium: Modeling representative and adaptive e-learning environments. In *Proceedings of Society for Information Technology and Teacher Education International Conference 2010* (pp. 2-5). San Diego, CA: AACE.

Adiguzel, T., Zellner, R. & Willson, V. (2007). Assessing Teacher's Acceptance of Handheld Computers in Classroom Data Collection. In T. Bastiaens & S. Carliner (Eds.), *Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2007* (pp. 195-196). Chesapeake, VA: AACE.

Adiguzel, T., & Kulm, G. (2006). A Technology-based Solution to Teacher's Difficulties on the Use of Multiple Representations of the Same Concept. In T. Reeves & S. Yamashita (Eds.), *Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2006* (pp. 1554-1561). Chesapeake, VA: AACE.

Adiguzel, T., Zellner, R., & Ozel, S. (2006). Revolutionizing reusable adaptive learning objects: Software for cross-platform development and delivery. In *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2006* (pp. 2048-2053). Chesapeake, VA: AACE.

Arslanyilmaz, A., & **Adiguzel, T.** (2005). Online Task Based Second Language Learning Environment: Design, Implementation, and Validation. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2005* (pp. 274-279). Chesapeake, VA: AACE.

Adiguzel, T., & Akpınar, Y. (2004). Improving school children's mathematical word problem solving skills through computer-based multiple representations. *Proceedings of AECT 2004 Conference*, pp. 1-10.

Adiguzel, T., & Akpınar, Y. (2001). Developing school children's problem-solving skills through computer-based multiple representations. *Proceedings of Informational Technology Conference*, 102-106, Turkey.

Adiguzel, T., & Akpınar, Y. (2001). Computer-based multiple representations to develop school children's word problem solving skills. *Proceedings of International Educational Technology Conference*, 379-389, Turkey.

Books/Book Chapters/Et Cetera

Avcı, H., **Adiguzel, T.**, & Irak, M. (in press). Multiplicity of Theories in Mathematics Education. In R. Capraro (Ed.), *Neuroscience*.

Bayraktaroğlu, A., & **Adigüzel, T.** (2020). Ölçme ve değerlendirmede yapay zeka kullanımı ve yabancı dil öğretimi örnekleri. In V. Nabiyev & A.K. Erümit (Eds.), *Kuramdan Uygulamaya Eğitimde Yapay Zekâ* (pp. 306-327). Ankara, Türkiye: Pegem Akademi.

Avcı, H., & **Adiguzel, T.** (2020). Leveraging digital intelligence in generation alpha. In N. Yurtseven (Ed.), *The Teacher of Generation Alpha* (pp. 119-132). Berlin: Peter Lang.

Liman-Kaban, A., **Adiguzel, T.**, & Ozaydin, M.N. (2019). Responsive Open Learning Environment in a Higher Education Institution: A Case Study. In N. Salkind (Ed.) *Student Support Toward Self-Directed Learning in Open and Distributed Environments* (pp. 237-255). Hershey, PA: IGI Global.

Adigüzel, T., & Durnel, A. (2019). Ortaokul Matematik eğitiminde harmanlanmış öğrenme. In D. Akgündüz (Ed.), *Fen ve Matematik eğitiminde teknolojik yaklaşımlar* (pp. 75-90). Ankara, Türkiye: Anı Yayıncılık.

Kirmizioglu, H. A., & **Adigüzel, T.** (2019). Ters yüz sınıf modelinin lise seviyesinde uygulanması: Kimya dersi örneği. In D. Akgündüz (Ed.), *Fen ve Matematik eğitiminde teknolojik yaklaşımlar* (pp. 91-116). Ankara, Türkiye: Anı Yayıncılık.

Adiguzel, T., & Zellner, R. (2014). Accessibility resources in standard computer systems. In C. R. Reynolds, K. J. Vannest, & E. Fletcher-Janzen (Eds.), *Encyclopedia of special education: A reference for the education of children, adolescents, and adults with disabilities and other exceptional individuals* (4th ed., pp. 29-31). Hoboken, NJ: John Wiley and Sons.

Adiguzel, T. (2012). Öğretim tasarım sürecine giriş. In I. Varank (Ed. & Trans), Etkili öğretim tasarımı (pp. 1-28). İstanbul, Türkiye: Bahçeşehir Üniversitesi Yayınları (Original work published 2007).

Adiguzel, T. (2012). Öğretim hedefleri. In I. Varank (Ed. & Trans), Etkili öğretim tasarımı (pp. 113-144). İstanbul, Türkiye: Bahçeşehir Üniversitesi Yayınları (Original work published 2007).

Adiguzel, T. (2012). Değerlendirmenin Boyutları. In I. Varank (Ed. & Trans), Etkili öğretim tasarımı (pp. 255-284). İstanbul, Türkiye: Bahçeşehir Üniversitesi Yayınları (Original work published 2007).

Adiguzel, T. (2012). Öğrenme Teorisi ve Öğretim Teorisi. In I. Varank (Ed. & Trans), Etkili öğretim tasarımı (pp. 367-392). İstanbul, Türkiye: Bahçeşehir Üniversitesi Yayınları (Original work published 2007).

Adiguzel, T., & Vannest, K. (2007). Assistive Technology. In N. Salkind (Ed.) *Encyclopedia of Educational Psychology*. Thousand Oaks, CA: Sage Publications.

Non-Peer Reviewed Publications

Vannest, K.J., Parker, R.I., Gonen, O., & **Adiguzel, T.** (2016). Single Case Research: Web-based calculators for SCR analysis. (Version 2.0) [Web-based application]. College Station, TX: Texas A&M University. Retrieved Wednesday 28th February 2018. Available from singlecaseresearch.org

Vannest, K. J., Burke, M. D., **Adiguzel, T.**, & Davis, C., (2008). *Electronic-Daily Behavior Report Cards (e-DBRC™ ©): A web-based system for progress monitoring (Beta Version)* [Web-based application]. College Station, TX: Texas A&M University. Available from http://e-dbrc.tamu.edu/resources/e-DBRC_Manual.pdf.

Vannest, K., **Adiguzel, T.**, & Parker, R. E. (2007). *Science Key Vocabulary Assessment (SKeVA): A web-based system for formative assessment and instruction. (Beta Version)* [Web-based application]. College Station, TX: Texas A&M University. Available from http://skeva.tamu.edu/resources/SKeVA_Manual.pdf.

Vannest, K., **Adiguzel, T.**, & Hagan-Burke, S. (2006). *Teacher Time Use (TTU): A web-based system for measuring and changing teacher time use. (Beta Version)* [Web-based application]. College Station, TX: Texas A&M University. Available from http://ttu.tamu.edu/resources/TTU_Manual.pdf.

CONFERENCE PRESENTATIONS

Adiguzel, T., Akçay, N., & Yildirim, D. (2018, September). *Robotik ve Kodlama Eğitimi Alan Öğrencilerin Temel Derslerdeki Söylemlerinin İncelenmesi*. Paper presented at the sixth International Instructional Technologies & Teacher Education Symposium, Edirne, TURKEY.

Vannest, K., & **Adiguzel, T.** (2017, April). *Measuring progress in Science using curriculum or state standards*. Paper presented at the Annual Convention and Expo of the Council for Exceptional Children (CEC), Boston, MA.

Capraro, R. M., Capraro, M. M., Erdogan, N., Corlu, S., **Adiguzel, T.**, & Oner, A. T. (2017, April). *Developing scientific language through Interactive STEM*. Paper presented at the annual meeting of National Association for Research in Science Teaching (NARST), San Antonio, TX.

Alver, E., **Adiguzel, T.**, & Ozturk, O. (2015, December). *School Climate Study on 10 different School Types in Istanbul*. Paper presented at 7th International Symposium on Children at Risk and in Need of Protection: Urban Security and Juvenile Delinquency, Antalya, TURKEY.

Aktepe, A., & **Adiguzel, T.** (2015, June). *The effect of interactive video use on distance students' perceptions of learning in a massive online psychology course*. Paper presented at 2nd International Conference on New Trends in Education – “STEM Education: Establishing a Bridge across Contexts,” Istanbul, TURKEY.

Yalçın-Tepe, D., & **Adiguzel, T.** (2015, June). *Digital material use of faculty and students in higher education: Examination of a STEM course*. Paper presented at 2nd International Conference on New Trends in Education – “STEM Education: Establishing a Bridge across Contexts,” Istanbul, TURKEY.

Atesol, C., & **Adiguzel, T.** (2015, June). *Evaluation of blended physics course for engineering students in higher education*. Paper presented at 2nd International Conference on New Trends in Education – “STEM Education: Establishing a Bridge across Contexts,” Istanbul, TURKEY.

Guden, Y., & **Adiguzel, T.** (2015, April). *The use of monolingual dictionary while writing academic reports*. Paper presented at 6th International Congress on New Trends in Education - ICONTE, Antalya, TURKEY.

Gurbulak, N., & **Adiguzel, T.** (2014, August). *Teaching pre-school concept of color in a computer platform: A design, development and validation study*. Paper presented at International Conference on New Trends in Education 'Early Childhood Education', Istanbul, TURKEY.

Gencer, B.G., Gurbulak, N., & **Adiguzel, T.** (2014, February). *A new approach in learning and teaching: The Flipped Classroom*. Paper presented at International Teacher Education Conference, Dubai, UAE.

Onat, E.C., Kuruoglu, N., & **Adiguzel, T.** (2014, February). *Teaching an EAP course in a synchronous videoconferencing platform: Technological, pedagogical and administrative reflections*. Paper presented at International Teacher Education Conference, Dubai, UAE.

Gurbulak, N., & **Adiguzel, T.** (2013, June). *Educational software for teaching color concept to pre-school kids: A development and validation study*. Paper presented at 1st International Instructional Technologies & Teacher Education Symposium, Trabzon, Turkey.

Corlu, M.A., **Adiguzel, T.**, Ayar, M.C., Corlu, M.S., & Ozel, S. (2012, June). *Science, Technology, Engineering and Mathematics (STEM) Education: Interdisciplinary Studies and Interactions*. Panel held at the 10. National Science and Mathematics Congress, Nigde, TURKEY.

Polat, E., **Adiguzel, T.**, & Akgun, O.E. (2012, April). *Adaptive Web-assisted learning system for students with specific learning disabilities: A needs analysis study*. Paper presented at International Conference on Global Issues of Early Childhood Education and Children's Rights, Gaziantep, Turkey.

Sahin, A., & **Adiguzel, T.** (2012, March). *Effective Teachers' Qualities from International Teachers' Perspectives*. Paper presented at the annual meeting of the Society for Information Technology & Teacher Education International Conference, Austin, TX.

Ozel, S., Ozel, Z. E., & **Adiguzel, T.** (2011, September). *A technological approach to provide professional developments to teachers on using technology*. Paper presented at the 16th meeting of Asian Technology Conference in Mathematics (ATCM 2011), Bolu, TURKEY.

Hopcan, E. P., Hopcan, S., & **Adiguzel, T.** (2011, May). *Evaluation of the integrated double major programs in higher education: A case study*. Paper presented at the annual meeting of the International Higher Education Congress: New Trends and Issues (UYK-2011), Istanbul, TURKEY.

Hopcan, S., Polat, E., Irak, M., & **Adiguzel, T.** (2011, May). *Computerizing the cancellation test: Design, development and validation study*. Paper presented at the annual meeting of the International Educational Technology Conference, Istanbul, TURKEY.

Adiguzel, T. (2010, March). *Modeling Representative and Adaptive E-Learning Environment*. Paper presented at the annual meeting of the Society for Information Technology & Teacher Education International Conference, San Diego, CA.

Beldagli, B., & **Adiguzel, T.** (2010, February). *Illustrating an Ideal Adaptive E-learning: A Conceptual Framework*. Paper presented at the annual meeting of the World Conference on Educational Sciences, Istanbul, TURKEY.

Yasar, O., & **Adiguzel, T.** (2010, February). *A Working Successor of Learning Management Systems: Sloodle*. Paper presented at the annual meeting of the World Conference on Educational Sciences, Istanbul, TURKEY.

Davis, C., **Adiguzel, T.**, Barrois, L., Burke, M. D., Davis, J., Parker, R., & Vannest, K. J. (2009, April). *Valid, reliable behavioral monitoring through an electronic daily behavior report card*. Poster presented at the International Convention of the Council for Exceptional Children (CEC), Seattle, WA.

Ozel, 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.

Burke, M. D., Vannest, K. J., **Adiguzel, T.**, & Soares, D. (2008, March). *Electronic-daily behavior report cards: Behavioral progress monitoring and response to intervention*. Paper presented at the fifth International Convention of the Association for Positive Behavior Support (APBS), Chicago, IL.

Adiguzel, T., Zellner, R., Vannest, K. (2007, October). *Assessing Teacher's Acceptance of Handheld Computers in Classroom Data Collection*. Paper presented at the annual meeting of the World Conference on E-learning in Corporate, Healthcare, Government, and Higher Education, Quebec City, Canada.

Adiguzel, T., Vannest, K. J., & Parker, R. (2007, April). *The development and validation of a portable data-collection system for the pocketPC computers*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Vannest, K. J., Hagan-Burke, S., Parker, R., Brown, L., Ramsey, L., **Adiguzel, T.**, & Mason, B. (2007, April). *Use of teacher time across instructional settings: A descriptive study*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Brown, L., Ramsey, L., Vannest, K. J., Wright, D., Hagan-Burke, S., Parker, R., & **Adiguzel, T.** (2007, February). *EBD teacher time use*. Poster presented at the Midwest Symposium for Leadership in Behavior Disorders Conference, Kansas City, MO.

Brown, L., Vannest, K. J., Davis, C., Mason, B., **Adiguzel, T.**, Burke, M. D., & Parker, R. (2007, February). *Online Daily Behavior Report Card (e-DBRC) System*. Poster presented at the Midwest Symposium for Leadership in Behavior Disorders Conference, Kansas City, MO.

Vannest, K. J., Burke, M. D., Ramsey, L., Brown, L., **Adiguzel, T.**, Hagan-Burke, S., Parker, R., & Wright, D. (2006, November). *EBD teacher time use*. Paper presented at the Teacher Educators of

Children of Behavior Disorders Conference, Tempe, AZ.

Burke, M. D., Vannest, K. J., Mason, B., Davis, C., **Adiguzel, T.**, Hagan-Burke, S., & Parker, R. (2006, November). *Using behavioral indicators for progress monitoring: The e-DBRC system*. Paper presented at the Teacher Educators of Children of Behavior Disorders Conference, Tempe, AZ.

Adiguzel, T., & Kulm, G. (2006, October). *A Technology-based Solution to Teacher's Difficulties on the Use of Multiple Representations of the Same Concept*. Paper presented at the annual meeting of the World Conference on E-learning in Corporate, Healthcare, Government, and Higher Education, Honolulu, Hawaii.

Zellner, R., **Adiguzel, T.**, & Ozel, 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, Texas.

Adiguzel, T., Zellner, R., & Ozel, 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.**, & Ozel, 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, Texas.

Zellner, R., Ozel, 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, Texas.

Adiguzel, T. (2006, January). *A technology-based solution to teacher's difficulties on the use multiple representations in rational number concepts*. Poster presented at the annual meeting of the Educational Research Exchange, College Station, Texas.

Vannest, K., Hagan-Burke, S., Parker, R., & **Adiguzel, T.** (2005, November). Teacher use of time in instructional settings: Reliability and frequency of measurement issues. Paper presented at the Teacher Educators of Children of Behavior Disorders Conference, Tempe, AZ.

Zellner, R., Peden, E. Ozel, S., & **Adiguzel, T.** (2005, October). Embedded video: Creating, managing, accessing, and optimizing the resources in digitized video. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.

Shores, K.A., Montandon, K.A., **Adiguzel, T.**, & Hunt, M.A. (2005, April). *A critical analysis of the portrayal of female professional athletes in sports illustrated 1963-2003*. Paper presented at the annual meeting of the AAHPERD Research Consortium, Chicago, IL.

Arslanyilmaz, A., & **Adiguzel, T.** (2005, March). *Online task based second language learning environment: Design, implementation, and validation*. Paper presented at the annual meeting of

the Society for Information Technology & Teacher Education International Conference, Phoenix, AZ.

Adiguzel, T. (2005, February). *Test equating: Basics for equating methods and sampling designs*. Paper presented at the 28th annual conference of the Southwest Educational Research Association, New Orleans, LA.

Arslanyilmaz, A., & **Adiguzel, T.** (2005, February). *Online task based second language learning environment: Design, implementation, and validation*. Paper presented at the annual meeting of the Educational Research Exchange, College Station, TX.

Adiguzel, T., & Akpınar, Y. (2004, October). *Improving school children's mathematical word problem solving skills through computer-based multiple representations*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Chicago, IL.

Zellner, R., **Adiguzel, T.**, Yoo, S., Telford, W., & Calixto, A. (2004, January). *Issues and Techniques for Developing and Conducting Computer-Based Research*. Paper presented at the annual meeting of the Educational Research Exchange, College Station, Texas.

Annayev, B., Isitmangil, G., Isitmangil, T., **Adiguzel, T.**, & Aydilek, R. (2003, September). *Smoking habits: a study of Yeditepe University students*. Paper presented at the Annual Congress of the European Respiratory Society, Vienna, Austria.

Adiguzel, T. (2001, November). *Computer-based multiple representations to develop school children's word problem solving skills*. Paper presented at the annual meeting of the International Educational Technology Conference and Fair, Sakarya, Turkey.

Adiguzel, T. (2001, May). *Developing school children's word problem solving skills through computer-based multiple representations*. Paper presented at the annual meeting of Informational Technology Conference and Fair, Ankara, Turkey.

COURSES (BEING) TAUGHT

CGB 1006 (Spring 2014) – Educational Philosophy
CGB 2007 (Fall 2014) – Educational Material Development
EDT 5003 (Fall 2012, 2013, 2014, 2016) – Instructional Design
EDT 5004 (Spring 2014, 2015, 2016) – Multimedia Design and Production in Education
EDT 5005 (Summer 2016, Spring 2017) – Distance Education
EDT 6003 (Fall 2016) – Selected Readings in Educational Technology
EDT 6004 (Fall 2015) – Integrated Media Design
EDT 6109 (Spring 2017) – Responsive Open Learning Environments
MAT 3053 (Fall 2012, 2013, 2014) – Web Technologies for Mathematical Sciences
CET 2036 (Fall 2011, Spring 2012) – Web Design
CET 2028 (Spring 2010, 2011, 2012) - Graphics and Animation in Education
CET 3027 (Fall 2009, 2010, 2011) – Instructional Design
CET 3028 (Spring 2010, 2011, 2012) - Multimedia Design and Production in Education
CET 3035 (Fall 2009, 2010, 2011, 2014, 2015, 2016) – Distance Education
CET 3054 (Fall 2009) – Java Programming
CET 4004 (Spring 2012) – Project Management
CET 4021 (Fall 2010, 2011) – Instructional Television

CET 4022 (Spring 2010) - Adobe Flash
CET 4022 (Spring 2011) – Assistive Technology
YZM 5617 (Fall 2015) – Internet-based Distance Education

EDTC 662 (Fall 2008) (Online and Local) - e-Research
MATH 155 (Fall 2001) - Calculus I
MATH 101 (Fall 2001) - Introduction to Set Theory and Logic
MATH 111 (Fall 2001) - Analytical Geometry
MATH 156 (Spring 2002) - Calculus II
MATH 102 (Spring 2002) - Basic Algebraic Structures
MATH 121 (Spring 2002) - Matrix Algebra

GRANTS

- *STEMXR - STEM Temelli Web Portali Projesi*, KOSGEB Ar-Ge ve İnovasyon Programı (**Co-PI**), 2020-2021
- *6-14 Yaş Öğrenme Güçlüğü Riski Yaşayan Öğrencileri Belirlemek İçin Dijital Ölçek Hazırlama ve Bireyselleştirilmiş Eğitim Programı Hazırlama-Uygulama Yazılımı Geliştirilmesi* (**Co-PI**), TUBİTAK 1003 ARAŞTIRMA Projesi (No: **218K451**), 2020 – 2023
- **Adiguzel, T.** (2018 - 2020). *Social and Physical Inclusion of Paraplegic Youth by Using Virtual Reality* (**PI**) funded by **ERASMUS+ KA2**.
- **Adiguzel, T.** (2018 - 2019). *Introducing Virtual Reality Technologies to K12 Students Via Observation and Hands-On Experience* (**Co-PI**) funded by **The Scientific and Technological Research Council of Turkey (4005)**.
- **Adiguzel, T.** (2018 - 2019). *Interactive Meet Up of Educators and Academicians with Virtual Reality Technologies* (**Co-PI**) funded by **The Scientific and Technological Research Council of Turkey (4004)**.
- **Adiguzel, T.** (2016 - 2017). *Turkish Sign Language to Remove the Communication Barriers* (**PI**) funded by **Republic of Turkey Ministry of Labor and Social Security European Union Coordination Department**.
- **Adiguzel, T.** (2015 - 2017). *Global innovative leadership module* (**PI**) funded by **ERASMUS+ KA2**.
- **Varank, I.** (2012 - 2014). *The Effect of Social Sharing based and Computer based Feedback given through an Automatic Assessment and Feedback System Developed to Enhance Basic Information Technology Skills on Learning Performance and Self-Efficacy Perception* (**Co-PI**) funded by **The Scientific and Technological Research Council of Turkey (1001)**.
- **Adiguzel, T.** (2011 - 2012). *Changing Lives Through Technology* (**PI**) funded by **The Scientific and Technological Research Council of Turkey (4004)**.
- **Doyran, F.** (2011). *Bridge of Science and Compassion between Bahcesehir University/ BJK College and Batman* (**Advisor**) funded by **The Scientific and Technological Research**

Council of Turkey (4004).

- Vannest, K. J. (2006-2009). *D2K: A Paperwork Reduction Project* (**Research Scientist**) funded by **Texas Education Agency**.
- Vannest, K. J. (2005-2006). *A Focus on Teaching: Paperwork reduction, technology and the impact on teachers, instruction and student academic performance* (**Instructional Technology Specialist**) funded by **Texas Education Agency**.

AWARDS

Scientific Meeting Support, **The Scientific and Technological Research Council of Turkey**, 2010

Dissertation of the Year Award, Texas A&M University, Department of Educational Psychology, 2009

Research Excellence Award, Texas A&M University Educational Psychology Student Organization, 2006.

Poster Award, Educational Research Exchange, College Station, Texas, 2006

Travel Award, Texas A&M University, for presenting research findings at a conference, 2005, 2006, and 2007.

INFORMATION TECHNOLOGY SKILLS

Stand-alone development: Adobe Flash, LiveCode

Web development: HTML, DHTML, CSS, JavaScript, JAVA and PHP & SQL

Graphics and video development: Adobe CC; QuickTime Pro

Content and Learning Management Systems: Blackboard, Moodle, ItsLearning, and JOOMLA

Miscellaneous: SPSS, AMOS, and NORM (For Statistics); Microsoft and OS applications including Office; and other animation, educational and graphics programs

SERVICE ACTIVITIES

Editor, *Contemporary Educational Technology (CET)* (2019-present)

Editor, *Online Journal of Communication and Media Technologies (OJCMT)* (2019-present)

Manuscript Reviewer, *The Eurasia Journal of Mathematics, Science & Technology Education* (2011-present)

Manuscript Reviewer, *Journal of STEM Education* (2012-present)

Manuscript Reviewer, *Middle Grades Research Journal* (2011-present)

Manuscript Reviewer, *Educational Sciences: Theory & Practice* (2011-present)

Manuscript Reviewer, *Turkish Journal of Electrical Engineering & Computer Sciences* (2011-present)

Manuscript Reviewer, *International Journal of Human Sciences* (2010-present)

Manuscript Reviewer, *University of Gaziantep Journal of Social Sciences* (2010-present)

Manuscript Reviewer, *The Turkish Online Journal of Educational Technology* (2010-present)

Manuscript Reviewer, *International Journal of Qualitative Studies in Education* (2010-present)

Project Reviewer, *The Scientific and Technological Research Council of Turkey* (2010-present)

Manuscript Reviewer, *Computers & Education* (2009-present)

Manuscript Reviewer, *The Inonu University Journal of the Faculty of Education* (2010-present)

Advisory board member, *International Educational Technology Conference* (2010-present)

Manuscript reviewer, *Behavior & Information Technology* (2009-present)

Manuscript reviewer, *Journal of Research on Technology in Education* (2009-present)

Manuscript reviewer, *Journal of Educational Computing Research* (2007-present)

Conference proposal reviewer, Association for Educational Communications and Technology (2007)

Manuscript reviewer, *American Educational Research Journal* (2006)

Conference proposal reviewer, American Educational Research Association (2006-2008) and Session Chair (2007)

Judge (behavioral and social science categories), Science and Engineering Fair of Houston (2004-2008)

Advisor, Turkish Student Association at Texas A&M University (2006-2009)

President, Turkish Student Association at Texas A&M University (2004-2006)