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Short Biography¹

M. Sencer Corlu, Ph.D. (Texas A&M University), is a professor of mathematics education at Oslo Metropolitan University in Norway. In addition, Dr. Corlu has been the director of the BAUSTEM Center at Bahçeşehir University in Turkey since 2016. Dr. Corlu has worked on mathematics teacher education, STEM Education, and international schools. He is the principal investigator of the externally-funded STEM: Integrated Teaching Project (<http://inteach.org>). One outcome of his project is the earlySTEM program, consisting of 35 books used by over 50,000 students and their teachers each year. Dr. Corlu is the cofounder of LabStar™ -an innovative low-cost device for data logging and analysis. His K12 teaching experiences include working as a school teacher in Africa and Europe, teaching middle and high school mathematics, science, and technology.

Research Focus

- STEM Education, mathematics teacher education, international schools.

Education Background

- Texas A&M University. Ph.D. (2012). Curriculum and instruction. Major: Mathematics education. Minor: Graduate certificate in education and social sciences advanced research methods. Dissertation: *A pathway to STEM education: Investigating pre-service mathematics and science teachers at Turkish universities in terms of their understanding of mathematics used in science*. Chair: Prof. Dr. Robert M. Capraro.
- Boğaziçi University. M.S. (2006). Science & mathematics education. Thesis: *An ethnographical analysis of an international school mathematics classroom culture*. Chair: Prof. Dr. Füsün Akarsu.
- Boğaziçi University. B.S. (2002). Secondary school mathematics education.
- Hüseyin Avni Sözen Anadolu Lisesi. (1996). Lise diploması.

Academic Experience

- Oslo Metropolitan University. Professor. (2022 – ...). Faculty of Education and International Studies.
- Bahçeşehir University. Director, Professor. (2016 – ...). BAUSTEM Teacher Professional Development and Research Center, Faculty of Educational Sciences.
- Bilkent University. Assistant professor. (2012 – 2016). Graduate School of Education.
- Boğaziçi University. Visiting professor. (2012 Summer). Primary Education Department.
- Texas A&M University. Graduate research & teaching. (2008 – 2012). Aggie STEM Center, The State of Texas Education Research Center, Department of Teaching, Learning, and Culture.
- Boğaziçi University. Undergraduate research. (2000 – 2001). Science & mathematics education.

School Experience

- Bahçeşehir College, Turkey: Chief Academic Officer of over 100 schools across Turkey and Canada.
- International School of Lausanne, Switzerland: Mathematics teacher.
- Al-Akhawayn School of Ifrane, Morocco: Middle and high school mathematics, life science, and earth science teacher.
- MEF International School, Turkey: Middle school mathematics and ICT teacher, community service and approaches to learning area leader.
- Irmak Schools, Turkey: Middle and high school mathematics teacher.
- International Baccalaureate Organisation: Assistant examiner.
- Çağdaş Atılım Private Tutoring Institution: Mathematics tutor.

Citations (h-index)

- [ORCID](#)
- [Google Scholar](#): 2750(17), [Scopus](#): 187(5), [Web of Science](#): 161(5).

¹ Last update: December 2022

Scholarly Activities²

Scholarly Activities: Peer-reviewed articles³

1. Doganca Kucuk, Z., Genek, S. E., Bozoglu, H. S., & **Corlu, M. S.** (accepted). Expressed willingness of STEM teachers to teach engineering. *Journal of Pre-College Engineering Education Research (J-PEER)*. [Peer-reviewed, EBSCO EducationHost, Scopus].
2. Yabas, D., Kurutas, B. S., & **Corlu, M. S.** (2022). Empowering girls in STEM: Impact of the girls meet science project. *School Science and Mathematics Journal*, 122(5), 247-258. <https://doi.org/10.1111/ssm.12540> [Peer-reviewed, ESCI, ERIC, Scopus].
3. Doganca-Kucuk, Z., Yabas, D., Bozoglu, H. S., & **Corlu, M. S.** (2021). The impact of the earlySTEM program on teacher and student outcomes: The role of teachers' involvement in the program development. *International Journal of Education in Mathematics, Science, and Technology (IJEMST)*, 9(3), 371-405. <https://doi.org/10.46328/ijemst.1279> [Peer-reviewed, ESCI, ERIC, Scopus].
4. *Yaprak, E., **Corlu, M. S.**, & Aydın, E. (2018). Analysis of a Turkish mathematics textbook in the late Ottoman era with respect to the principles of contemporary elementary education. *Sakarya University Journal of Education*, 8(4), 214-231. <https://doi.org/10.19126/suje.446057> [Peer-reviewed, EBSCO EducationHost].
5. *Keskin, Ö., **Corlu, M. S.**, & Ayas, A. (2018). Voicing mathematics teachers: A holistic overview of their early career challenges. *Educational Sciences: Theory & Practice*, 18(2), 331-371. <https://doi.org/10.12738/estp.2018.2.0025> [Peer-reviewed, SSCI, ERIC, Scopus].
6. Alp, A., Michou, A., **Corlu, M. S.**, & Baray, G. (2018). Need satisfaction as a mediator between classroom goal structures and students' optimal educational experience. *Learning and Individual Differences*, 65, 80-89. <https://doi.org/10.1016/j.lindif.2018.05.012> [Peer-reviewed, SSCI, ERIC, Scopus].
7. Aşık, G., Doğança Küçük, Z., Helvacı, B., & **Corlu, M. S.** (2017). Integrated teaching project: a sustainable approach to teacher education. *Turkish Journal of Education*, 6(4), 200-215. <http://doi.org/10.19128/turje.332731> [Peer-reviewed, ESCI, EBSCO EducationHost]
8. *Yağız, B., Navruz, B., & **Corlu, M. S.** (2016). Investigating the impact of International General Certificate of Secondary Education scores and gender on the Diploma Programme scores in mathematics and science. *International Journal of Educational Reform*, 25(3), 250-264. <https://doi.org/10.1177/105678791602500302> [Peer-reviewed, ERIC, SAGE].
9. Capraro, R. M., Capraro, M. M., Scheurich, J., Jones, M., Morgan, J., Huggins, K.S., **Corlu, M. S.**, Younes, R., & Han, S. (2016). The impact of sustained professional development in STEM project based learning on district outcome measures. *The Journal of Educational Research*, 109(2), 181-196. <http://dx.doi.org/10.1080/00220671.2014.936997> [Peer-reviewed, SSCI, ERIC, HWWilson - Education Index, Scopus]. JCR2015 Impact Factor: 1.218.
10. *Çatma, Z., & **Corlu, M. S.** (2016). How special are teachers of specialized schools? Assessing self-confidence levels in the technology domain. *Eurasia Journal of Mathematics, Science, and Technology Education*, 12(3), 583-592. <https://doi.org/10.12973/eurasia.2016.1245a> [Peer-reviewed, SSCI, ERIC, Scopus].
11. Pfeiffer, K., Ortaçtepe, D., & **Corlu, M. S.** (2016). The effect of L1 on the production of L2 formulaic expressions. *The Journal of Language Teaching and Learning*, 6(1), 35-48. [Peer-reviewed, ESCI].
12. *Bayram, G. İ., **Corlu, M. S.**, Aydın, E., Ortaçtepe, D., & Alapala, B. (2015). An exploratory study of visually impaired students' perceptions of inclusive mathematics education. *British Journal of Visual Impairment*, 33(3), 1-7. <http://dx.doi.org/10.1177/0264619615591865>. [Peer-reviewed, Scopus, ESCI]
13. **Corlu, M. S.**, Capraro, R. M., & Çorlu, M. A. (2015). Investigating the mental readiness of pre-service teachers for integrated teaching. *International Online Journal of Educational Sciences*, 7(1), 17-28. <http://dx.doi.org/10.15345/iojes.2015.01.002> [Peer-reviewed, HWWilson - Education Index]
14. **Corlu, M. S.**, & Alapala, B. (2015). On mathematics and culture. Insights from an international school. *Journal of Humanistic Mathematics*, 5(1), 223-232. <http://dx.doi.org/10.5642/jhummath.201501.13> [Peer-reviewed; mathscinet]
15. Çetin, S. C., **Corlu M. S.**, Capraro M. M., & Capraro R. M. (2015). A longitudinal study of the relationship between mathematics and science: the case of Texas. *International Journal of Contemporary Educational Research*, 2(1), 13-21. [Peer-reviewed, HWWilson - Education Index].

² Academia full texts

³ * indicating a publication with graduate student(s) under my supervision

16. **Corlu, M. S.** (2014). Which preparatory curriculum for the International Baccalaureate Diploma Program is best? The challenge for international schools with regard to mathematics and science. *International Review of Education*, 60(6), 793-801. <http://dx.doi.org/10.1007/s11159-014-9446-9> [Peer-reviewed, ERIC, BEI, Scopus].
17. *Niğdelioğlu, R. M., Ayar, M. C., & **Corlu, M. S.** (2014). Clarifying the relationship between teacher movement and culture: Four teacher profiles. *International Schools Journal*, 34(1), 67-74. [Peer-reviewed, BEI].
18. *Sagun, S., & **Corlu, M. S.** (2014). Resolving the dilemma of international school curriculum: The case of biology. *Eurasia Journal of Mathematics, Science, and Technology Education*, 10(2), 153-158. <http://dx.doi.org/10.12973/eurasia.2014.1026a> [Peer-reviewed, SSCI, ERIC, Scopus].
19. **Corlu, M. S.**, Capraro, R. M., & Capraro, M. M. (2014). Introducing STEM education: Implications for educating our teachers in the age of innovation. *Education and Science*, 39(171), 74-85. [Peer-reviewed, SSCI, Scopus].
20. **Corlu, M. S.** (2014). FeTeMM eğitimi makale çağrı mektubu [Call for STEM education research in the Turkish context]. *Turkish Journal of Education*, 3(1), 4-10. <https://doi.org/10.19128/turje.181071> [Peer-reviewed, ESCI]
21. **Corlu, M. S.** (2013). Insights into STEM education praxis: An assessment scheme for course syllabi. *Educational Sciences: Theory & Practice*, 13(4), 2477-2485. <https://doi.org/10.12738/estp.2013.4.1903> [Peer-reviewed, SSCI, ERIC, Scopus].
22. Ayas, A., Aydın, E., & **Corlu, M. S.** (2013). Mathematics and science assessment in the Turkish educational system: An overview. *Middle Grades Research Journal*, 8(2), 11-23. [Peer-reviewed, ERIC]
23. **Corlu, M. S.** (2013). Describing the dynamic nature of mathematics as a cultural product. *International Schools Journal*, 32(2), 72-79. [Peer-reviewed, BEI]
24. Erdoğan, N., **Corlu, M. S.**, & Capraro, R. M. (2013). Defining innovation literacy: Do robotics programs help students develop innovation literacy skills? *International Online Journal of Educational Sciences*, 5(1), 1-9. [Peer-reviewed, HWWilson - Education Index]
25. Çorlu, M. A., & **Corlu, M. S.** (2012). Scientific inquiry-based professional development models in teacher education. *Educational Sciences: Theory & Practice*, 12(1), 514-521. [Peer-reviewed, SSCI, ERIC]
26. **Corlu, M. S.**, Capraro, R. M., & Çorlu, M. A. (2011). Developing algorithmic computations with the help of science: A Turkish middle and high school grades study. *The Turkish Online Journal of Educational Technology*, 10(2), 72-81. [Peer-reviewed, SSCI, ERIC, Scopus].
27. **Corlu, M. S.**, Erdoğan, N., & Şahin, A. (2011). A comparative study of South Korea and Turkey: Attitudes and beliefs of middle school mathematics teachers. *Journal of the Korea Society of Mathematical Education Series D: Research in Mathematical Education*, 15(3), 295-310. [Peer-reviewed, Korea Citation Index]
28. Capraro, R. M., Capraro, M. M., Yetkiner, Z. E., **Corlu, M. S.**, Özel, S., Ye, S., & Kim, H. G. (2011). An international perspective between problem types in textbooks and students' understanding of relational equality. *Mediterranean Journal for Research in Mathematics Education: An International Journal*, 10, 185-211. [Peer-reviewed]
29. **Corlu, M. S.** (2011). An aesthetic representation of Alfred North Whitehead's philosophy of mathematics education. *Philosophy of Mathematics Education Journal*, 26, #12. [Peer-reviewed]
30. **Corlu, M. S.**, Burlbaw, L. M., Capraro, R. M., Han, S., & Çorlu, M. A. (2010). The Ottoman palace school and the man with multiple talents, Matrakçı Nasuh. *Journal of the Korea Society of Mathematical Education Series D: Research in Mathematical Education*, 14(1), 19-31. [Peer-reviewed, Korea Citation Index]
31. **Corlu, M. S.** (2010). A historical analysis of democracy in mathematics and mathematics education in European culture. *Philosophy of Mathematics Education Journal*, 25, #17. [Peer-reviewed]

Scholarly Activities: Non-Peer Reviewed Articles

1. **Corlu, M. S.** (2018). STEM bütünleşik öğretmenlik: Yapararak öğrenmeden üreterek öğrenmeye [STEM integrated teaching: From learning by doing to learning by making]. *Harvard Business Review*, 7, 102-108.
2. **Corlu, M. S.** (2016). STEM eğitimi ve uygulamaları [STEM education and its applications]. *Bahçeşehir Düşüncesi*, 5, 42-43.
3. **Corlu, M. S.** (2016). STEM-FeTeMM eğitimine sanatsal bakışın mantıksal temelleri [A rationale for STEM+A]. *TeenMag*, 1(1), 19.
4. **Corlu, M. S.** (2015). FeTeMM -STEM eğitimi nedir? Geleceğin matematik sınıflarında hangi yaklaşımları zorunlu kılar? [What is STEM education? What approaches does it necessitate in mathematics classrooms of the future?]. *Türkiye Özel Okullar Derneği Dergisi*, 8(34), 23-24.

5. **Corlu, M. S.** (2005). Creating an international culture. *International School Magazine*, 8(1), 29–30. [BEI].

Scholarly Activities: Proceedings

1. **Corlu, M. S.** (2023, February). *Co-teaching practices in online STEM professional development programs*. Keynote speech at the Research on STEM Education in the Digital Age, Porto, Portugal.
2. Yabaş, D., Boyacı, H. S., & **Corlu, M. S.** (2020, June). *Mathematical modeling in STEM education: A math trail using LabStar*. In M. Ludwig, S. Jablonski, A. Caldeira, & A. Moura (Eds.), *Research on Outdoor STEM Education in the Digital Age. Proceedings of the ROSETA Online Conference*, 6, 31-38. Münster, Germany. Retrieved from <https://doi.org/10.37626/GA9783959871440.0.04>
3. **Corlu, M. S.** (2017, January). Bilimsel yöntemin dönüşümüne ait öngörülerin öğretime kaçınılmaz etkileri [Inevitable effects of the transformation of scientific method on teaching]. In J. Onur, (Ed.), *Proceedings of the Türkiye Özel Okullar Derneği 16.Geleneksel Eğitim Sempozyumu*, 16, 227-231, Antalya, Turkey. Retrieved from <http://ozelokullardernegi.org.tr/Kitap/16Antalya/AntalyaKitap.pdf>.
4. **Corlu, M. S.**, Erdoğan, N., & Şahin, A. (2011, August). A comparative study of South Korea and Turkey: Attitudes and beliefs of middle school mathematics teachers. In Y. Cho, (Ed.), *Proceedings of the 16th International Seminar of Mathematics Education on Talented Children and Creativity Development*, 16, 287–302, Seoul, South Korea.
5. Çetin, S. C., **Corlu, M. S.**, Capraro, M. M., & Capraro, R. M. (2011, July). A latent growth model: Longitudinal investigation of student achievement in mathematics and science. In B. Ubuz (Ed.), *Proceedings of the 35th Conference of the International Group for the Psychology of Mathematics Education*, 1, 440, Ankara, Turkey. (SSCI)
6. Çorlu, M. A., & **Corlu, M. S.** (2010, May). The future of undergraduate science–mathematics teaching programs [Fen ve matematik öğretmenliği programının geleceği]. *Proceedings of the International Symposium of Teacher Education Policies and Problems*, 1, 477-484, Ankara, Turkey.

Scholarly Activities: Book Chapters

1. Yabas, D., Canbazoglu-Bilici, S., Abanoz, T., Kurutas, B. S., & **Corlu, M.S.** (in print). An exploration of co-teaching in STEM teacher professional development programs in Turkey. In S. M. Al-Balushi, L. Martin-Hansen, & Y. Song (Eds), *Reforming Science Teacher Education Programs in the STEM Era: International practices* (pp.XX-XX). Springer.
2. Yabaş, D., & **Corlu, M.S.** (2021). STEM lideri öğretmen [STEM leader teacher]. In H. Gülay-Ogelman, S. Sarac & D. Amca-Toklu (Eds.), *Yeni nesil öğretmen* (pp. 119-142). Vizetek Yayınları.
3. **Corlu, M. S.**, Svidt, K., Gnaur, D., Lavi, R., Borat, O., & Çorlu, M. A. (2018). Engineering education higher education in Europe. In Y. J. Dori, Z. Mevareach, & D. Baker (Eds). *Cognition, Metacognition, and Culture in STEM Education*. (pp. 241-259). New York: Springer.
4. **Corlu, M. S.** (2017). STEM: Bütünleşik öğretmenlik çerçevesi [STEM: Integrated teaching framework]. In M. S. Corlu, & E. Çallı (Eds). *STEM Kuram ve Uygulamalarıyla Fen, Teknoloji, Mühendislik ve Matematik Eğitimi* (pp. 1-10). İstanbul, Turkey: Pusula.
5. Aşık, G., Doğança Küçük, Z., & **Corlu, M. S.** (2017). STEM-FeTeMM eğitiminde ölçme değerlendirme yaklaşımı. In **M. S. Corlu**, & E. Çallı (Eds). *STEM Kuram ve Uygulamalarıyla Fen, Teknoloji, Mühendislik ve Matematik Eğitimi* (pp. XX-YY). İstanbul, Turkey: Pusula.
6. **Corlu, M. S.** (2016). The pursuit of democracy in mathematics and mathematics education. In P. Ernest & B. Shirminan (Eds.), *Critical mathematics education*. (pp. 311-318). Information Age Publishing.
7. Capraro, R. M., & **Corlu, M. S.** (2013). Changing views on assessment for STEM project-based learning. In R. M. Capraro, M. M. Capraro, & J. Morgan (Eds.). *STEM project-based learning: An integrated Science, Technology, Engineering, and Mathematics (STEM) approach* (2nd Edition). (pp. 109-118). Rotterdam, the Netherlands: Sense Publishers. http://dx.doi.org/10.1007/978-94-6209-143-6_12
8. **Corlu, M. S.** (2010). Arctic shrinkage. 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. 55–67). Rotterdam, the Netherlands: Sense Publishers.
9. **Corlu, M. S.**, & Vondracek, K. (2010). Chemistry of baking. 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. 199–207). Rotterdam, the Netherlands: Sense Publishers.

10. **Corlu, M. S.**, & Vondracek, K. (2010). Plan your international vacation. 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. 139–145). Rotterdam, the Netherlands: Sense Publishers.

Scholarly Activities: Book Chapters Translated

1. Creswell, J. W., & Plano-Clark, V. L. (2014). *Designing and conducting mixed methods research*. (M. S. Corlu, Trans. In Y. Dede, & S. B. Demir, Eds.). Ankara, Turkey: Anı Yayıncılık. (original work published in 2011).

Scholarly Activities: Encyclopedia Entries

1. **Corlu, M. S.** (2014). NCTM and special education. 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* (Fourth Edition Volume 4: Q-Z). NJ: Wiley.

Scholarly Activities: Journals Edited

1. **Corlu, M. S.**, & Erdoğan, N. (2015). Guest co-editor of the special issue on STEM education in the Turkish context. *International Journal of Education in Mathematics, Science and Technology*, 3(4).

Scholarly Activities: Books Edited

1. **Corlu, M. S.** (Ed.). *LabStar story book series*.
 - a. Nil, A. (2020). Bir LabStar Hikayesi [A LabStar story]. [ebook]. Retrieved from <https://labstar.org>
 2. **Corlu, M. S.** (Ed.). *EarlySTEM education book series*. (Both in Turkish and English from Mentora with A.R. embedded)
 - a. Nil, A. (2019). Öğretmen kitabı 4. sınıf [Teacher's guidebook for 4th graders], Istanbul, Turkey: Mentora.
 - b. Nil, A. (2019). Öğretmen kitabı 3. sınıf [Teacher's guidebook for 3rd graders], Istanbul, Turkey: Mentora.
 - c. Nil, A. (2019). Öğretmen kitabı 2. sınıf [Teacher's guidebook for 2nd graders], Istanbul, Turkey: Mentora.
 - d. Nil, A. (2019). Öğretmen kitabı 1. sınıf [Teacher's guidebook for 1st graders], Istanbul, Turkey: Mentora.
 - e. Nil, A. (2019). Konuşkan uzaylı hikaye kitabı 4. sınıf [The chatty alien story book for 4th graders], Istanbul, Turkey: Mentora.
 - f. Nil, A. (2019). Konuşkan uzaylı etkinlik kitabı 4. sınıf [The chatty alien activity book for 4th graders], Istanbul, Turkey: Mentora.
 - g. Nil, A. (2019). Tuhafliklar dünyası hikaye kitabı 3. Sınıf [A world of curiosities story book for 3rd graders], Istanbul, Turkey: Mentora.
 - h. Nil, A. (2019). Tuhafliklar dünyası (etkinlik kitabı 3. sınıf) [A world of curiosities activity book for 3rd graders], Istanbul, Turkey: Mentora.
 - i. Nil, A. (2019). Portakal işbaşında (hikaye kitabı 2. sınıf) [Ginger and the mysterious sound story book for 2nd graders], Istanbul, Turkey: Mentora.
 - j. Nil, A. (2019). Portakal işbaşında (etkinlik kitabı 2. sınıf) [Ginger and the mysterious sound activity book for 2nd graders], Istanbul, Turkey: Mentora.
 - k. Nil, A. (2019). Dargın bilgisayar (hikaye kitabı 1. sınıf) [The computer is crossed sound story book for 1st graders], Istanbul, Turkey: Mentora.
 - l. Nil, A. (2019). Dargın bilgisayar (etkinlik kitabı 1. sınıf) [The computer is crossed sound activity book for 1st graders], Istanbul, Turkey: Mentora.
 - m. Nil, A. (2018). Şerbet'in uzay yolu (hikaye kitabı 4. sınıf) [Daisy's adventure in space story book for 4th graders], Istanbul, Turkey: Mentora.
 - n. Nil, A. (2018). Şerbet'in uzay yolu (etkinlik kitabı 4. sınıf) [Daisy's adventure in space activity book for 4th graders], Istanbul, Turkey: Mentora.
 - o. Nil, A. (2018). Şerbet'in kukla işi (hikaye kitabı 3. sınıf) [Daisy's creative inventions story book for 3rd graders], Istanbul, Turkey: Mentora.
 - p. Nil, A. (2018). Şerbet'in kukla işi (etkinlik kitabı 3. sınıf) [Daisy's creative inventions activity book for 3rd graders], Istanbul, Turkey: Mentora.
 - q. Nil, A. (2018). Portakal'ın dünyası (hikaye kitabı 2. sınıf) [Ginger's world story book for 2nd graders], Istanbul, Turkey: Mentora.
 - r. Nil, A. (2018). Portakal'ın dünyası (etkinlik kitabı 2. sınıf) [Ginger's world activity book for 2nd graders], Istanbul, Turkey: Mentora.
 - s. Nil, A. (2018). Babam ne iş yapıyor? (hikaye kitabı 1. sınıf) [Ginger and his dad's work adventure story book for 1st graders], Istanbul, Turkey: Mentora.

- t. Nil, A. (2018). Babam ne iş yapıyor? (etkinlik kitabı 1. sınıf) [Ginger and his dad's work adventure activity book for 1st graders], Istanbul, Turkey: Mentora.
3. **Corlu, M. S.** (Ed.). *EarlySTEM Education Book series.* (in Turkish from Pusula)
 - a. Nil, A. (2019). Orbi'nin derdi ne? Bahçede neler oluyor? (öğretmen kitabı anaokulu, 1. sınıf), Istanbul, Turkey: Pusula.
 - b. Nil, A. (2019). Orbi'nin derdi ne? Bahçede neler oluyor? (öğretmen kitabı 2, 3, ve 4. sınıf), Istanbul, Turkey: Pusula.
 - c. Nil, A. (2019). Bahçede neler oluyor? (hikaye kitabı), Istanbul, Turkey: Pusula.
 - d. Nil, A. (2019). Bahçede neler oluyor? (etkinlik kitabı), Istanbul, Turkey: Pusula.
 - e. Nil, A. (2019). Orbi'nin derdi ne? (hikaye kitabı), Istanbul, Turkey: Pusula.
 - f. Nil, A. (2019). Orbi'nin derdi ne? (etkinlik kitabı), Istanbul, Turkey: Pusula.
 - g. Nil, A. (2018). Aşlamayan nehir ve duvarımda var bir delik (öğretmen kitabı anaokulu, 1. sınıf), Istanbul, Turkey: Pusula.
 - h. Nil, A. (2018). Aşlamayan nehir ve duvarımda var bir delik (öğretmen kitabı 2, 3, ve 4. sınıf), Istanbul, Turkey: Pusula.
 - i. Nil, A. (2018). Aşlamayan nehir (hikaye kitabı), Istanbul, Turkey: Pusula.
 - j. Nil, A. (2018). Aşlamayan nehir (etkinlik kitabı), Istanbul, Turkey: Pusula.
 - k. Nil, A. (2018). Duvarımda var bir delik (hikaye kitabı), Istanbul, Turkey: Pusula.
 - l. Nil, A. (2018). Duvarımda var bir delik (etkinlik kitabı), Istanbul, Turkey: Pusula.
 - m. Nil, A. (2017). Marsta yaşam (hikaye kitabı), Istanbul, Turkey: Pusula.
 - n. Nil, A. (2017). Marsta yaşam (etkinlik kitabı), Istanbul, Turkey: Pusula.
 - o. Nil, A. (2017). Bir inşaat arıyor (hikaye kitabı), Istanbul, Turkey: Pusula.
4. **Corlu, M. S., & Çallı, E.** (Eds.). (2017). *STEM kuram ve uygulamalarıyla fen, teknoloji, mühendislik ve matematik eğitimi* [STEM education theory and praxis]. Istanbul, Turkey: Pusula.
5. **Corlu, M. S.** (Ed.). *STEM Education Series for teachers by student teachers.*
 - a. *Alapala, B. (2014). STEM education: Graphing display calculator activities for teachers by student teachers. Ankara, Turkey: FeTeMM Eğitimi Çalışma Grubu.
 - b. *Konuk, P. (2014). STEM education: Classroom activities for teachers by student teachers. Ankara, Turkey: FeTeMM Eğitimi Çalışma Grubu.

Scholarly Activities: White papers, reports

1. Ateşkan, A., Onur, J., Sagun, S., Sands, M. K., & **Corlu, M. S.** (2015). *Alignment between the D.P. and MoNEP in Turkey and the effects of these programmes on the achievement and development of university students* [White Paper]. Bethesda, MD, USA: International Baccalaureate Organization. Retrieved from <https://ibo.org/globalassets/publications/ib-research/dp/turkey-postsecondary-study-report-en.pdf>
2. Akgündüz, D., Aydeniz, M., Çakmakçı, G., Çavas, B., **Corlu, M. S.**, Öner, T., & Özdemir, S. (2015). *STEM eğitimi Türkiye raporu: Günün modası mı yoksa gereksinim mi?* [A report on STEM Education in Turkey: A provisional agenda or a necessity?][White Paper]. Istanbul, Turkey: Aydın Üniversitesi. Retrieved from <http://www.aydin.edu.tr/belgeler/IAU-STEM-Egitimi-Turkiye-Raporu-2015.pdf>

Scholarly Activities: Paper Presentations, Roundtables, Posters

1. Yabaş, D., Ceyhan, G. D., Doğança-Küçük, Z., & **Corlu, M. S.** (2023, May). *The analysis of the authentic problems of the knowledge society within STEM instructional designs.* Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
2. **Corlu, M. S.** (2023, February). *Co-teaching practices in online STEM professional development programs.* Keynote speech at the Research on STEM Education in the Digital Age, Porto, Portugal.
3. Yabaş, D., Ceyhan, G. D., Doğança-Küçük, Z., & **Corlu, M. S.** (2022, April). *The analysis of the authentic problems of the knowledge society within STEM instructional designs.* Paper presented at the Winter Conference of Association of Teacher Educators in Europe, Sestri Levante, Italy.
4. Yabaş, D., Örene, B., & **Corlu, M. S.** (2022, January). *Exploring the statistical practices in classroom: STEM teachers' experiences using dynamic data analysis technology.* Paper presented at the 12th Congress of the European Society for Research in Mathematics Education, Online.
5. Yabaş, D., & **Corlu, M. S.** (2021, October). *Developing statistical thinking skills of middle school students: Comparison of top-down and bottom-up approaches with just-in-time data collection.* Paper presented at the 5. Uluslararası Türk Bilgisayar ve Matematik Symposium, Antalya, Turkey.

6. Yabaş, D., Bademci, S., & **Corlu, M. S.** (2020, December). *Veri bilimi ve STEM disiplinleri: LabStar ile veri toplama ve analiz* [Data science and STEM: Data collection and analysis with LabStar]. Paper presented at the Education Conference 2020, Online. <https://youtu.be/1LqIfcUOjmk>
7. **Corlu, M. S.**, Kulaberoğlu, N. (2019, May). *Integrated teaching project: earlySTEM and LabStar*. Keynote speech at the Innovations and Design Research in STEAM Education, Linz, Austria. <https://www.youtube.com/watch?v=Yr7KsH8OrVo> & <https://www.youtube.com/watch?v=9UkxC9hMQN4>
8. **Corlu, M. S.** (2019, March). *The earlySTEM: Learning by making at the K4 level*. Roundtable discussion at the Eurasia Higher Education Summit, Istanbul, Turkey.
9. Doğança Küçük Z., Helvacı, B., **Corlu, M.S.** (2018, October). *Öğretmenlerin kendi STEM ders planlarını bütünlüklük öğretmenlik çerçevesi'ne göre özdeğerlendirmeleri*. [Teachers' self-evaluations about their STEM lesson plans according to STEM integrated teaching framework.] Paper presented at the 13. Ulusal Fen ve Matematik Eğitimi Kongresi, Denizli, Turkey.
10. Aşık, G., Baş, E., Türe, K., Türkmen, İ., & **Corlu, M. S.** (2018, October). *Disiplinler arası STEM eğitimine yönelik öğretmen işbirlikleri*. [Teacher collaborations directed to inter-disciplinary STEM education]. Paper presented at the 13. Ulusal Fen ve Matematik Eğitimi Kongresi, Denizli, Turkey.
11. Mesutoğlu, C., & **Corlu, M.S.** (2018, October). *Genç STEM araştırmacı ve uygulayıcıları: Öğretmen adaylarının STEM eğitimi üzerine deneyimleri* [Young STEM researchers and practitioners: Experiences of pre-service teachers about STEM education]. Paper presented at the 13. Ulusal Fen ve Matematik Eğitimi Kongresi, Denizli, Turkey.
12. Helvacı, B., Toka, E., & **Corlu, M. S.** (2018, May). *Integrating technology into science and math classes: Approaches of STEM teachers*. Paper presented at the 5th International Eurasian Educational Research (EJER) Congress, Antalya, Turkey.
13. Mesutoğlu, C., & **Corlu, M. S.** (2018, March). *earlySTEM Program: Investigation of teachers' views and experiences*. Paper presented at the Annual National Conference of National Science Teachers Association (NSTA), Atlanta, Georgia.
14. Mesutoğlu, C., & **Corlu, M. S.** (2018, February). *earlySTEM teachers' classroom practices and views regarding the earlySTEM Program*. Paper presented at Winter Conference of the Association of Teacher Education in Europe, Utrecht, Netherlands.
15. Helvacı, B., Kamit, T., Adiguzel, T. & **Corlu, M. S.** (2018, February). *STEM Ethics*. Paper presented at Winter Conference of the Association of Teacher Education in Europe, Utrecht, Netherlands.
16. Doğança Küçük, Z., Ersoy, Z., **Corlu, M. S.** (2018, February). *STEM teaching efficacy beliefs of preschool and classroom teachers in an earlySTEM program*. Paper presented at the Winter Conference of the Association of Teacher Education in Europe, Utrecht, Netherlands.
17. Doğança Küçük, Z., Aşık, G., Helvacı, B., & **Corlu, M. S.** (2017, May). *First reflections of teachers to integrated teaching*. Paper presented at the International Conference on Education in Mathematics, Science & Technology, Kuşadası, Turkey.
18. Helvacı, B., **Corlu, M. S.**, Aşık, G., & Doğança Küçük, Z. (2017, May). *STEM ethics: Academic integrity and ethical concerns of teachers*. Paper presented at the International Conference on Education in Mathematics, Science & Technology, Kuşadası, Turkey.
19. Doğança Küçük, Z., Aşık, G., Girgin, S., & **Corlu, M. S.** (2017, May). *Teachers' views about implementing an engineering-focused theme within an earlySTEM program*. Paper presented at the International Conference on Education in Mathematics, Science & Technology, Kuşadası, Turkey.
20. Aşık, G., Baş, E., Türe, K., Türkmen, İ., & **Corlu, M. S.** (2017, May). *A quantitative analysis of teacher perceptions on collaboration for STEM integration*. Paper presented at the International Conference on Education in Mathematics, Science & Technology, Kuşadası, Turkey.
21. Çicek, N., Kulaberoğlu, N., & **Corlu, M. S.** (2017, May). *EarlySTEM program: Reactions from practitioners and administrators*. Paper presented at the Linz STEM Education Conference, Linz, Austria.
22. *Çallı, E., **Corlu, M. S.**, & Taylan, R. D. (2016, August). *A quantitative investigation of mathematical knowledge for teaching and self-efficacy: Mathematics teachers in Turkey*. Paper presented at the 13th International Congress on Mathematics Education, Hamburg, Germany.
23. *Yaprak, E., **Corlu, M. S.**, & Aydın, E. (2016, August). *Investigating the foundations of Turkish elementary mathematics education through an analysis of a late Ottoman textbook*. Paper presented at the 13th International Congress on Mathematics Education, Hamburg, Germany.

24. *Bayram, G. İ., **Corlu, M. S.**, & Alapala, B. (2015, April). *The impact of inclusive education on visually-impaired students in Turkey*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
25. *Arslan, Ö., Corlu, M. S., & Ayas, A. (2015, April). Ortaokul öğrencilerinin sayı duygusu ve akademik başarısı arasındaki ilişkinin incelenmesi üzerine pilot çalışma [A pilot study on the investigation of the relationship between number sense skills and academic achievement of middle grades students]. Paper presented at the 24. Ulusal Eğitim Bilimleri Kongresi, Niğde, Turkey.
26. *Keskin, Ö., & **Corlu, M. S.** (2014, November). *Sink or swim: challenges that mathematics teachers face in their early career*. Paper presented at the iSER – The International Society of Educational Research World Conference, Cappadocia, Turkey.
27. *Özcan, T., Ortaçtepe, D., & **Corlu, M. S.** (2014, November). *Think aloud strategies of the students' non-routine problem solving*. Paper presented at the iSER – The International Society of Educational Research World Conference, Cappadocia, Turkey.
28. *Sagun, S., Yağız, B., & **Corlu, M. S.** (2014, November). *Investigating the impact of international school curricula in science and mathematics*. Paper presented at the iSER – The International Society of Educational Research World Conference, Cappadocia, Turkey.
29. *Niğdelioğlu, R. M., Ayar, M. C., & **Corlu, M. S.** (2014, September). *Profesyoneller ya da maceraperestler? Çok kültürlülük ve mesleki gelişim* [Professionals or adventure seekers? Multiculturalism and professional development of mathematics and science teachers]. Paper presented at the XI. Ulusal Fen Bilimleri ve Matematik Kongresi, Adana, Turkey.
30. ***Corlu, M. S.**, Sagun, S., Yağız, B., Niğdelioğlu, R. M., Dulun, Ö., Özcan, T., & Ateşkan, A. (2014, September). *Fen bilimleri ve matematik eğitimine küresel bir bakış: Uluslararası eğitim program ve prensiplerinin Türkiye ölçeğinde değerlendirilmesi* [A global perspective to science and mathematics education: An evaluation of the international education programs in the Turkish context]. Paper presented at the XI. Ulusal Fen Bilimleri ve Matematik Kongresi, Adana, Turkey.
31. Çorlu, M. A., & **Corlu, M. S.** (2014, April). *Fizik matematik dönem projelerinde araştırma ve mühendislik becerileri nasıl gelişiyor?* [How do physics and mathematics projects help research and engineering skills develop?]. Paper presented at the XI. Ulusal Fen Bilimleri ve Matematik Kongresi, Adana, Turkey.
32. Çorlu, M. A., & **Corlu, M. S.** (2014, April). *Özdeğerlendirme ve serbest öğrenme becerileri, öğrenme başarılarını ne kadar açıklayabilmektedir?* [How successful are self-evaluation skills in explaining achievement?]. Paper presented at the XI. Ulusal Fen Bilimleri ve Matematik Kongresi, Adana, Turkey.
33. **Corlu, M. S.**, & Ateşkan, A. (2014, April). *How are international teachers educated? Perceptions of student teachers on their education for international teaching*. Paper presented at the annual conference of American Educational Research Association, Philadelphia, PA.
34. *Çatma, Z., & **Corlu, M. S.** (2014, April). *How special are teachers of specialized schools? Assessing self-confidence levels in the technology domain*. Paper presented at the annual conference of American Educational Research Association, Philadelphia, PA.
35. Çorlu, M. A., Şimşek, N., Şevli, H., & **Corlu, M. S.** (2013). *FeTeMM derslerinde öz değerlendirme becerilerini teşhis ve tanımlama modeli* [A quality assurance model for self assessment skills in STEM courses]. Paper presented at Ekonomi, İşletme ve Yönetişim Bilimleri Işığında Eğitim Süreçleri Sempozyumu, Kırklareli, Türkiye.
36. *Yaprak, E., & **Corlu, M. S.** (2013, September). *An analysis of a mathematics textbook used in the early 20th century Ottoman Empire*. Paper presented at the Emerging Researchers' Conference of European Educational Research Association, Istanbul, Turkey.
37. ***Corlu, M. S.**, Atli, K. C., & Kabakçı, Ö. (2013, April). *Peeking at the praxes of Science, Technology, Engineering, and Mathematics (STEM) education through course syllabi*. Paper presented at the annual conference of American Educational Research Association, San Francisco, CA.
38. *Hezen, E., & **Corlu, M. S.** (2013, January). *Enhancing second grade students' Van Hiele geometric thinking levels through inquiry based instruction*. Paper presented at the International Conference on Interdisciplinary Research in Education, Girne, Northern Cyprus.
39. *Kabakçı, Ö., & **Corlu, M.S.** (2013, January). *Explanatory factors of self-efficacy beliefs of mathematics teachers: A comparison between Turkey and Australia*. Paper presented at the International Conference on Interdisciplinary Research in Education (ICOINE 13), Girne, Northern Cyprus.

40. *Altan, S., & **Corlu, M. S.** (2013, January). *A survey research: IBPYP teachers' beliefs about global issues and teaching in a global perspective*. Paper presented at the International Conference on Interdisciplinary Research in Education, Girne, Northern Cyprus.
41. *Sagun, S. & **Corlu, M. S.** (2013, January). *The effect of IGCSE-coordinated science course and other predictors to explain I.B. biology scores*. Paper presented at the International Conference on Interdisciplinary Research in Education, Girne, Northern Cyprus.
42. Çorlu, M. A., & **Corlu, M. S.** (2012, September). *Hayat boyu öğrenme okuryazarlığı için öğrenci alguları yaklaşımı* [A student-perceptions approach to life-long learning literacy]. Paper presented at the 21. Eğitim Bilimleri Kongresi, Istanbul, Turkey.
43. Çorlu, M. A., & **Corlu, M. S.** (2012, September). *Abilikten günümüze hayat boyu öğrenme: Değerler eğitimine yeni bir yaklaşım* [Life-long learning from an Akhism perspective: A new approach to values education]. Paper presented at the Sarajevo Akhism Symposium, Sarajevo, Bosnia and Herzegovina.
44. Erdoğan, N., & **Corlu, M. S.** (2012, April). *A case study: Investigating an innovative course to improve innovation literacy*. Paper presented at the annual meeting of American Education Researchers Association, Vancouver, Canada.
45. **Corlu, M. S.**, Erdoğan, N., & Capraro, R. M. (2012, April). *Developing mathematics and science literacy through robotics systems*. Paper presented at the National Council of Teachers of Mathematics (NCTM) Research Pre-session, Philadelphia, PA.
46. Erdoğan, N., Ayar, M., **Corlu, M. S.**, & Capraro, M. M. (2012, March). *Exploring a summer camp based on robotics activities prepared for underrepresented groups: A pilot study*. Paper presented at the annual conference of National Association for Research in Science Teaching (NARST), Indianapolis, IL.
47. Çorlu, M. A., & **Corlu, M. S.** (2012, February). *Structural problems of teacher education system in Turkey*. Paper presented at the Cyprus International Conference on Educational Research, Lefkosa, Northern Cyprus.
48. Çetin, S. C., **Corlu, M. S.**, Capraro, M. M., & Capraro, R. M. (2011, November). *A correlational study: Mathematics and science scores of underrepresented students in state achievement tests*. Paper presented at the annual School Science and Mathematics Association (SSMA) Convention, Colorado Springs, CO.
49. Çorlu, M. A., & **Corlu, M. S.** (2011, September). *Professionalism in mathematics teacher education*. Paper presented at the 10th annual meeting of Mathematicians Association, Istanbul, Turkey.
50. **Corlu, M. S.**, Erdoğan, N., & Şahin, A. (2011, August). *A comparative study of South Korea and Turkey: Attitudes, beliefs and creative student-oriented practices of middle school mathematics teachers*. Paper presented at the 16th International Seminar of Mathematics Education on Talented Children and Creativity Development, Jeonbuk, South Korea.
51. Çetin, S. C., **Corlu, M. S.**, Capraro, M. M., & Capraro, R. M. (2011, June). *A latent growth model: Longitudinal investigation of student achievement in mathematics and science*. Paper presented at the 35th Conference of the International Group for the Psychology of Mathematics Education (PME), Ankara, Turkey.
52. Öztelli, D., **Corlu, M. S.**, Çorlu, M. A., & Capraro, R. M. (2011, April). *A comparison study of mathematics and science tutors and school teachers in Turkey by using international studies*. Paper presented at the annual meeting of American Education Researchers Association, New Orleans, IL.
53. Avery, R., & Corlu, M. S. (2011, April). *School partners in science, technology, engineering, and mathematics (STEM) collaborations*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, IL.
54. Corlu, M. S., Capraro, R. M., & Capraro, M. M. (2011, April). *Turkish student teachers' attitudes towards mathematics and science integration*. Paper presented at National Council of Teachers of Mathematics (NCTM) Research Pre-session, Indianapolis, IN.
55. Capraro, R. M., Capraro, M. M., **Corlu, M. S.**, Younes, R., Han, S., & Morgan, J. (2010, November). *The impact of sustained professional development in STEM project based learning on district outcomes*. Paper presented at the annual convention of the School Science and Mathematics Association (SSMA), Ft. Myers, FL.
56. Öztelli, D., **Corlu, M. S.**, Çorlu, M. A., & Capraro, R. M. (2010, June). *Teaching mathematics and science at private tutoring institutions in Turkey*. Paper presented at the World Council of Comparative Education Societies (WCCES) XIV World Congress, Boğaziçi University, Istanbul, Turkey.
57. Çorlu, M. A., & **Corlu, M. S.** (2010, May). *The future of undergraduate science-mathematics teaching programs*. Paper presented at the International Symposium of Teacher Education Policies and Problems, Hacettepe University, Ankara, Turkey.

58. **Corlu, M. S.**, Kılınç, E., & Burlbaw, L. M. (2010, April). *The Ottoman palace education*. Paper presented at the 33rd meeting of Society for the Study of Curriculum History, Denver, CO.
59. **Corlu, M. S.**, Capraro, R. M., Burlbaw, L. M., Han, S., & Çorlu, M. A. (2010, February). *The Ottoman palace school and the man with multiple talents, Matrakçı Nasub*. Paper presented at 15th International Seminar of Mathematics Education on Talented Children and Creativity Development, Jeonbuk, South Korea.
60. **Corlu, M. S.** (2009, April). *A European perspective: Swiss middle graders' interpretation of the equal sign*. Paper presented at the annual meeting of American Education Researchers Association, San Diego, CA.
61. **Corlu, M. S.**, Ayar, M. C., Kaya, A., & Aksoy, İ. D. (2009, March). *How can science help students' computation skills improve?* Paper presented at National Science Teachers Association (NSTA) International Conference, New Orleans, LA.
62. **Corlu, M. S.**, & Kara, M. (2009, March). *Research-based experiences of an international mathematics and science teacher*. Paper presented at National Science Teachers Association (NSTA) International Conference, New Orleans, LA.
63. **Corlu, M. S.** (2009, February). *Robust statistics: What they are, why they are so important*. Paper presented at the 32nd annual meeting of the Southwest Educational Research Association (SERA), San Antonio, TX.
64. Capraro, R. M., Yetkiner, Z. E., Özel, S., **Corlu, M. S.**, Capraro, M. M., & Kim, H.G. (2009, February). *International comparison of the equal sign*. Symposium presented at the 32nd annual meeting of the Southwest Educational Research Association (SERA), San Antonio, TX.
65. **Corlu, M. S.** (2007, March). *Mathematical enculturation of middle school science and mathematics students*. Paper presented at the National Science Teachers Association (NSTA) International Conference, St. Louis, IL.
66. Çorlu, M. A., & **Corlu, M. S.** (2007, March). *Developmental model in method course for physics teacher candidates*. Paper presented at National Science Teachers Association (NSTA) International Conference, St. Louis, IL.

Scholarly Activities: Panels, Forums, & Symposiums

1. **Corlu, M. S.**, Kocadere Arkün, S., & Lavizca, Z. (2022, December). *Information and communication technologies in STEM education*, In S. Kocadere Arkün (Moderator). Panel discussion at the 4th International Conference on Distance Learning And Innovative Educational Technologies. Online.
2. Atay, D., Akgün, E., **Corlu, M. S.**, & Saraç, S. (2022, January). *Tasarımcı öğretmen paneli* [Teacher as a designer panel], In N. Yurtseven (Moderator). Panel discussion at the TÜBİTAK 1003 Tasarımcı Öğretmen Mesleki Gelişim Kampı, Istanbul, Turkey.
3. Çakıroğlu, E., Yamak, H., Kavak, N., **Corlu, M. S.**, Adıgüzel, T., Bilican, K., Akaygün, S., Yılmaz, Y. Ö., Elmas, R., Akarsu, M., & Hacıoğlu, Y. (2021, July). *Current trends in STEM education research*, In C. Bilici & Akgündüz, D. (Moderators). Roundtable discussion at EJR Congress 2021. Online. <https://youtu.be/9y9IbjoeVu0>
4. Adıgüzel, T., **Corlu, M. S.**, & Özcan, M. (2021, April). *Akademisyenlerin bakış açısı ile pandemi dönemi ve dijital dönüşüm* [COVID-19 era and digital transformation from the perspectives of academicians], In E. Karaboncuk (Moderator). Panel discussion at the VII. Eğitim Teknolojileri Konferansı, Istanbul, Turkey.
5. Adıgüzel, T., **Corlu, M. S.**, & Özcan, M. (2021, April). *Akademisyenlerin bakış açısı ile pandemi dönemi ve dijital dönüşüm* [COVID-19 era and digital transformation from the perspectives of academicians], In E. Karaboncuk (Moderator). Panel discussion at the VII. Eğitim Teknolojileri Konferansı, Istanbul, Turkey.
6. Altan, S., Ateskan, A., & Toker, Z. (2020, January). *Uluslararası Bakalorya Programı: Nasıl bir okul; nasıl bir öğretmen?* [International Baccalaurate: Schooling, Teaching], In **M. S. Corlu**, (Moderator). Panel discussion at the Öğretmen Kariyer Fuarı, Istanbul, Turkey.
7. Kulaberoğlu, N., Allsop, Y., & Başkonuş, S. (2019, March). *Toplum, okul ve öğretmen ilişkisi üzerine Türkiye – Birleşik Krallık karşılaştırması* [A comparative panel between Turkey and the UK on the relations between society, school and teacher], In **M. S. Corlu**, (Moderator). Panel discussion at the Eğitim Teknolojileri Zirvesi, Istanbul, Turkey.
8. Aydagül, B., **Corlu, M. S.**, & Karlı, K. (2019, February). *Yeni nesil öğrenenler topluluğunun bir parçası olmak* [Being a part of a new generation of learners], In M. Demirkol. Panel discussion at 3. Eğitim Değişim Konferansı, İzmir, Turkey.
9. Çelik, Z., Erol, M., Güneş, N., & Sarçam, U. (2018, November). *STEM: Neden, nasıl ve nedir?* [STEM education: What, why, and how?], In **M. S. Corlu**, (Moderator). Panel discussion at the Fatih Projesi Eğitim Teknolojileri Zirvesi, Ankara, Turkey.

10. **Corlu, M. S.**, Reşidođlu, H., Kurt, A., & Özgeldi, M. (2018, June). *Matematik eğitiminde yenilikçi yaklaşımlar* [Innovative approaches in mathematics education]. In Çiçek, N. (Moderator). Panel discussion at Uğur Okulları, Mersin, Turkey.
11. Aslan-Tutak, F., Cemali, Y., & Kurt, A. (2018, May). *Kuram ve uygulama bütünlüğünde matematik eğitimi* [Mathematics education at the intersection of theory and praxis]. In **Corlu, M. S.** (Moderator). Panel discussion at the 21.yy'da Matematik Eğitimi Konferansı, İstanbul, Turkey.
12. Aydın, B., Ultav, C., **Corlu, M. S.**, & Koç, B. (2018, March). *TÜSLADSTEM paneli*. In Aydın, B. (Moderator). Panel discussion at the 5. Eğitim Teknolojileri Zirvesi, İstanbul, Turkey.
13. Acar, A., Akgündüz, D., Başaran, M., **Corlu, M. S.**, & Çavaş, B. (2017, December). *Eğitimde alternatif yaklaşımlar II: STEM uygulamaları* [Alternative approaches in education II: STEM]. In Ş. Büyüköztürk, (Moderator). Panel discussion at the Hasan Kalyoncu Üniversitesi, Gaziantep, Turkey.
14. Acar, A. C., & **Corlu, M. S.** (2017, May). *Eğitimde dijital dönüşüm ve STEM+A* [Digital transformation in education and STEM+A]. In İ. Kırcova, (Moderator). Panel discussion at the Genç Türkiye Zirvesi, İstanbul, Turkey.
15. Canbazođlu Bilici, S., & Helvacı, B. (2017, June). *STEM: Neden, nasıl ve nedir?* [STEM education: What, why, and how?], In **M. S. Corlu**, (Moderator). Panel discussion at the Adnan Menderes Üniversitesi, Aydın, Turkey.
16. Adıgüzel, T., Aslan-Tutak, F., & Aşık, G. (2017, April). *STEM: Neden, nasıl ve nedir?* [STEM education: What, why, and how?], In **M. S. Corlu**, (Moderator). Panel discussion at the Teknoloji ve Eğitim Konuşmaları III Muğla Sıtkı Koçman Üniversitesi, Turkey.
17. Akaygün, S., Aşık, G., Doğança Küçük, Z., & Kağar, C. (2017, March). *STEM: Neden, nasıl ve nedir?* [STEM education: What, why, and how?], In **M. S. Corlu**, (Moderator). Panel discussion at the Eğitimde Teknoloji Zirvesi, İstanbul, Turkey.
18. Aydın, N. İ., **Corlu, M. S.**, & Mansur, S. (2017, March) *Eğitimde alternatif yaklaşımlar I: Uluslararası Bakalorya* [Alternative approaches in education I: IB]. In G. S. Boran, (moderator). Panel discussion at the Hasan Kalyoncu Üniversitesi, Gaziantep, Turkey.
19. Krajcık, J., & Lynch, S. (2016, June). *STEM education: What, why, and how?*, In **M. S. Corlu**, (Moderator). Panel discussion at the International Conference on Education in Mathematics, Science & Technology, Muğla, Turkey. <https://www.youtube.com/watch?v=3VZdozoYKtA>
20. Capraro, R. M., Capraro, M. M., **Corlu, M. S.**, Adıgüzel, T., & Zsolt, L. (2016, June). *STEM education in different countries*. In Erdoğan, N. (Moderator). Forum discussion at the International Conference on Education in Mathematics, Science & Technology, Muğla, Turkey.
21. Prediger, S., Jorgensen, R., **Corlu, M. S.**, & Markic, S. (2014, November). *Language obstacles in mathematics and science education – the past, present and future of research and development*. Invited symposium at the iSER – The International Society of Educational Research World Conference, Cappadocia, Turkey.
22. Capraro, R. M., Ayar, M. C., & **Corlu, M. S.** (2013, March). *Turkish teachers should know about STEM Education because STEM is not just another four-letter acronym*. Panel discussion at the STEM Education in a Global Context: Bahcesehir K-12 Model, İstanbul, Turkey.
23. Adıgüzel, T., Ayar, M. C., **Corlu, M. S.**, & Özel, S. (2012, June). *Bilim, Teknoloji, Mühendislik ve Matematik (BTMM) eğitimi: Disiplinlerarası çalışmalar ve etkileşimler* [STEM education: Interdisciplinary investigations and interactions]. In M. A. Çorlu (Moderator). Panel discussion at the X. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Niğde, Turkey.

Patents and Utility Models

1. **Corlu, M. S.**, & İnan, K. (pending). LabStar: Data collection and analysis device. <http://LabStar.inteach.org>

Grants

Grants: Principal Investigator or coPI

1. Yabaş, D., & **Corlu, M. S.** (coPIs, 2021-2022). Program evaluation project in the amount of 10,000 TL (\$1200) from TEMA Foundation.
2. Yabaş, D., & **Corlu, M. S.** (coPIs, 2021-2022). Kızlar Bilim ile buluşuyor [Girls meet with science] program evaluation project in the amount of 10,000TL (\$1,250) from Bilim Kahramanları Derneği.
3. Yabaş, D., & **Corlu, M. S.** (coPIs, 2020-2021). Program evaluation project in the amount of 9,000 TL (\$1300) from TEMA Foundation.
4. Yabaş, D., & **Corlu, M. S.** (coPIs, 2020-2021). Kızlar Bilim ile buluşuyor [Girls meet with science] program evaluation project in the amount of 10,000TL (\$1,500) from Bilim Kahramanları Derneği.
5. **Corlu, M. S.** (PI, 2020). *LabStar research and development project* in the amount of 45,000TL (\$7,500) from Bahçeşehir University BAP.
6. **Corlu, M. S.** (PI, 2015-2022). *Integrated teaching project: STEM teacher professional development program* from Bahçeşehir Uğur Educational Institutions in the amount of 1,478,160TL (~\$350,000).
7. **Corlu, M. S.** (PI, 2016-2017). *TÜSLADSTEM: Integrated teaching for the innovative children of the knowledge society* from The Turkish Industry & Business Association in the amount of 150,000TL (~\$50,000).
8. **Corlu, M. S.** (PI, 2016-2017). *Integrated teaching project: STEM Center development program* from the Payas Belediyesi, Hatay in the amount of 54,000TL (~\$18,000).
9. **Corlu, M. S.** (PI, 2017). *Integrated teaching project: Harezmî teacher education program* from Istanbul Milli Eğitim Müdürlüğü in the amount of 15,000TL (~\$5,000).
10. **Corlu, M. S.** (PI, 2016-2022). *Integrated teaching project: earlySTEM curriculum development program* from Bahçeşehir and Uğur Educational Institutions in the amount of 36000TL (~\$12,500).
11. **Corlu, M. S.** (PI, 2017). *Integrated teaching project: Supporting Erzincan University STEM teachers program* from Erzincan University in the amount of 16,200TL (~\$5,000).

Grants: Other Roles in Projects

1. **Corlu, M. S.** (Investigator, 2020-2022), In BAUMind (PI). Yenilikçi Teknolojik Nesil Eğitim Kiti 12 [Educating the Next Generation with Innovative Technologies] in the amount of 1,107,791TL (\$165,000) from The Scientific and Technological Council of Turkey (TUBITAK-1501).
2. **Corlu, M. S.** (Investigator, 2020-2021), In Robotistan (PI). Bulut Tabanlı, Açık Kaynak Kodlu, Kodlama ve Robotik Eğitim Platformu [Cloud-based, Open Source, Coding and Robotics Education Platform] in the amount of 400,000TL (\$55,000) from The Scientific and Technological Council of Turkey (TUBITAK-1501).
3. **Corlu, M. S.** (Investigator, 2017), In Bağçeci, B. (PI). GAÜN STEM Eğitimi project in the amount of 15,000TL (\$4,500) from Gaziantep University BAP.
4. **Corlu, M. S.** (Investigator, 2015), In E. Boskurt-Altan, & S. Ercan (PI). *FeTeMM eğitim yaklaşımı: Fen sınıflarının disiplinler arası bağlarla güçlendirilmesi* [STEM education approach: Empowering science classrooms through interdisciplinary connections] in the amount of 40,680TL (\$15,000) from The Scientific and Technological Council of Turkey (TUBITAK-4005).
5. **Corlu, M. S.** (Investigator, 2014), In A. Ateskan (PI). *Alignment between the D.P. and MoNEP in Turkey and the effects of these programmes on the achievement and development of university students* in the amount of \$50,000 from International Baccalaureate Organisation.
6. **Corlu, M. S.** (Project manager, 2010), In R. M. Capraro (P.I.) *Aggie-STEM summer camp* in the amount of \$103,004 from Energized for STEM Academy, Inc.
7. **Corlu, M. S.** (Investigator, 2008), In J. Callahan, & M. S. Torres (P.I.). *Leadership as a pivotal dimension in the effective integration of non-traditional teaching strategies planning* in the amount of \$5,000 from the Mexican American Latino Research Center.

Grants: Unfunded Projects PI

1. **Corlu, M. S.** (PI, 2015). *STEM education for visually impaired students* in the amount of \$16,000 from the U.S. Embassy in Ankara. (*unfunded*).

2. **Corlu, M. S.** (PI, 2014). *Kırşehir FeTeMM akademisi: Hesaplamalı düşünme* [Kırşehir STEM academy: Computational thinking] in the amount of \$15,000 from The Scientific and Technological Council of Turkey (TUBITAK-4005). (*unfunded*).
3. **Corlu, M. S.** (co-PI, 2013). *Portable content management and sharing system* in the amount of \$200,000 from The Scientific and Technological Council of Turkey (TUBITAK-1003 BT0103) (*Successfully passed to the second stage by ranking among first 32 out of 109 proposals – unfunded*).
4. **Corlu, M. S.** (co-PI, 2013). *Kontekste duyarlı gömülü kullanıcı destek uygulama çerçevesi* in the amount of \$100,000 TUBITAK-1003 BT0103. (*Successfully passed to second stage by ranking among first 32 out of 109 proposals – unfunded*).
5. **Corlu, M. S.** (PI, 2013). *Developing the theoretical foundations of integrated teaching knowledge by investigating its nature and measurement in school mathematics* in the amount of \$140,000 from the European Commission Marie Curie Grants (*received a score of 88.9/100 – unfunded*).
6. **Corlu, M. S.** (PI, 2013). *STEM leadership academy* in the amount of \$65,000 from The Scientific and Technological Council of Turkey (TUBITAK-4005) (*unfunded*).

Service

Academic Service: Administration

1. Corlu, M. S. (2016- ...). Director. *Öğretmen Mesleki Gelişim, Uygulama ve Araştırma Merkezi – BAUSTEM* [BAUSTEM Teacher Professional Development and Research Center], *Bahçeşehir University*.
2. Corlu, M. S. (2014-2016). Member of the board of directors. *School of Education, Bilkent University*.

Academic Service: Editorial Membership

1. Corlu, M. S. (2015-2019). Editorial board member. *Educational Sciences: Theory & Practice*.
2. Corlu, M. S. (2014-2015). Editorial board member. *Education and Science*.
3. Corlu, M. S. (2013-...). Editorial board member. *Turkish Journal of Education*.
4. Corlu, M. S., & Aydın, E. (2013). Guest co-editor of the special issue on assessment. *Middle Grades Research Journal*, 8(2).
5. Corlu, M. S. (2013-2014). Advisory board member. *Educational Sciences: Theory & Practice*.

Academic Service: Committee Membership

1. Corlu, M. S. (2015, May). Advisory board member. *2nd International Conference on New Trends in Education STEM Education: Establishing A Bridge Across Contexts*. Istanbul, Turkey.
2. Corlu, M. S. (2014, September). Scientific advisory board member. *XI. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi*. Adana, Turkey.
3. Corlu, M. S. (2014, October-November). Local scientific committee member. *International Society of Educational Research 2014 World Conference*. Nevşehir, Turkey.
4. Corlu, M. S. (2013, September). Global advisory and outreach board member. *2013 STEMx Conference*. Online at <http://stemxcon.com>
5. Ernest, P. & Moller, R., D'Ambrosio, U., Tarp, A., & Corlu, M. S. (2012). Postmodern mathematics discussion group member. *12th International Congress on Mathematics Education (ICME-2012)*. Seoul, South Korea.
6. Corlu, M. S. (2012). Turkish delegation member. *United States – Turkey Science and Technology Cooperation Meeting*. Ankara, Turkey.

Academic Service: Refereeing for Journals

1. Journal for Research in Mathematics Education, School Science and Mathematics Journal, Journal of Urban Mathematics Education, International Journal of Qualitative Studies in Education, International Journal of Educational Development, Educational Sciences: Theory & Practice, Eurasia Journal of Mathematics, Science, and Technology Education, Turkish Journal of Computer and Mathematics Education, Turkish Journal of Education, Mediterranean Journal of Mathematics Education, Curriculum History Journal, Journal of the Korea Society of Mathematical Education, Necatibey Faculty of Education Electronic Journal of Science and Mathematics Education, Cogent Education, British Journal of Visual Impairment.

Academic Service: Refereeing for Conferences

1. American Educational Research Association annual meetings: Divisions C and K and Special Interest Groups Research in Mathematics Education and International Studies; NCTM Research Conference; Southwest Educational Research Association Annual Meeting, EDUCCON, ROSEDA.

Academic Service: Professional Associations

1. Kappa Delta Pi International Honor Society in Education: Mu Chi Chapter former officer, American Educational Research Association: Division C Texas A&M former campus liaison, National Council of Teachers of Mathematics, National Science Teachers Association, Southwest Educational Research Association, Korea Society of Mathematical Education.

Services for the Teacher Community: Invited Meetings, in-service Teacher Professional Development Workshops, and anything else that is not peer-reviewed.

1. Corlu, M. S. (2022, Kasım). Herkes için bilim, her öğrenci için STEM [Science for all, STEM for all students]. Invited presentation at Güncel Pedagojilerle Yenilikçi Öğrenme Alanları Tasarlama (Design FILS) Projesi of the Yenilik ve Eğitim Teknolojileri Genel Müdürlüğü, Online.
2. Corlu, M. S. (2022, February). *Öğretme ve öğrenme odağında karmaşık problemlerin dünyası* [Complex problems within teaching and learning]. Keynote speech at the 8th Uluslararası Dijital Bahar of the Saint Benoit Lycee, Online.

3. **Corlu, M. S.** (2022, January). *STEM: 21. yy öğretmenlik pratikleri* [STEM: 21st century teaching practices]. Invited presentation at İzmir Milli Eğitim Müdürlüğü Pozitif Bilimler Akademisi Eğitimleri, Online.
4. **Corlu, M. S.** (2021, June). *Matematiksel modelleme ve STEM etkinlikleri* [Mathematical modelling and STEM activities]. Invited presentation at TÜBİTAK 2237-A Ortaokul seviyesinde sınıf içi matematiksel modelleme yazma eğitimi, Online. https://www.youtube.com/watch?v=mI0TcvVJ_IU
5. Ataş, H., & **Corlu, M. S.** (2020, October-December). *Algoritmik düşünmeden hesaplamalı düşünmeye* [From algorithmic thinking to computational thinking]. Online course for seven weeks at Çevrimiçi STEM Dersleri, Online.
6. **Corlu, M. S.** (2020, November). *Pandemi sonrası STEM: Açıkalan eğitim kuram ve uygulamaları* [STEM at the post-COVID era: Outdoor education]. Invited presentation at the STEM Eğitim Zirvesi, Masal ve Sanat Evi, Online.
7. **Corlu, M. S.**, Karabey, B., & Mert, U. (2020, October). *Uzaktan paylaşıyorum matematik seminerleri* [Sharing from a distance seminars in mathematics], In Karaboncuk, E. (Moderator). EGTyayın, Online. <https://www.youtube.com/watch?v=xka8O6AExCQ>
8. **Corlu, M. S.**, Yabas, D., Çelenk, A., & Boyacı, S. (2020, August). *Okul dışı ortamlarda STEM* [Outdoor STEM Education]. Invited presentation at the Bahçeşehir Koleji hizmetiçi eğitimi, Online.
9. **Corlu, M. S.** (2020, June). *Matematik öğretmen eğitimi ve mesleki gelişiminde fırsatlar* [Mathematics teacher education and opportunities in professional development], In C. O. Oğuz (Moderator). Invited presentation at the In the Pursuit of Mathematics Rastgele #46, Online. <https://www.youtube.com/watch?v=rUbmALrHiJo>
10. **Corlu, M. S.** (2019, December). *Azerbaycan STEM ile buluşuyor* [Azerbaijan meets STEM]. Half-day workshop at Yenilikçi Eğitim Geliştirme Araştırma Merkezi, Istanbul, Turkey.
11. **Corlu, M. S.** (2019, October). *21.yy'da öğretmenlik mesleği* [Teaching in the 21st century]. Invited presentation and one-day workshop at the erkenSTEM ile 21. Yüzyıl Yaşam Becerileri Projesi, Muğla Milli Eğitim Müdürlüğü, Muğla, Turkey.
12. **Corlu, M. S.** (2019, September). *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated teaching framework]. Half-day workshop at Türk Bilgisayar ve Matematik Sempozyumu, İzmir, Turkey.
13. **Corlu, M. S.** (2019, September). *İlkokullar için STEM müfredat programı* [earlySTEM curriculum program]. Invited presentation at the erkenSTEM Müfredat Değerlendirme Konferansı, Uğur Okulları, Istanbul, Turkey.
14. **Corlu, M. S.** (2020, June). *Nasıl bir matematik eğitimi?* [What type of mathematics education?], In K. Öztürk (Moderator). Invited presentation at the Muhabbet Teorisi 150, Online. <https://www.youtube.com/watch?v=QR8sgt3VQuM>
15. **Corlu, M. S.** (2019, June). *STEM gelecektir; hazır mısın?* [STEM is the future; are you ready?]. Invited presentation at the Fenerbahçe College, Istanbul, Turkey.
16. **Corlu, M. S.** (2019, May). *STEM eğitiminde öngörüler ve fırsatlar* [Opportunities and forecasts in STEM Education]. Invited presentation at the Bahçeşehir Koleji 4th STEM day, Istanbul, Turkey.
17. İnan, K., Kavvas, D., & Sural, S. (2019, April). *LabStar nasıl geliştirildi?* [How was LabStar developed?], In **M. S. Corlu** (Moderator). Binyaprak, Online. <https://www.youtube.com/watch?v=yGVxPFNotzQ>
18. **Corlu, M. S.** (2019, April). *STEM eğitiminde öngörüler ve fırsatlar* [Predictions and opportunities in STEM education]. Invited presentation at the STEAM Günü, ODTÜ, Ankara, Turkey.
19. **Corlu, M. S.** (2019, April). *STEM eğitiminde öngörüler ve fırsatlar* [Predictions and opportunities in STEM education]. Invited presentation at the Innovations in STEAM Education and Design Research Conference, Istanbul, Turkey.
20. **Corlu, M. S.** (2019, April). *STEM: Bütünleşik öğretmenlik çerçevesi kapsamında hesaplamalı düşünme* [Computational thinking in the STEM: Integrated Teaching Framework]. Invited presentation at the Geleceğin Eğitimi, Eğitimin Geleceği Symposium, Istanbul, Turkey.
21. **Corlu, M. S.** (2019, April). *21.yy'da öğretmenlik mesleği* [Teaching in the 21st century]. Invited presentation at the Yeni Nesil Eğitim Modeli STEM+A Çalıştayı, Çekmeköy İlçe Milli Eğitim Müdürlüğü & Bahçeşehir Koleji, Istanbul, Turkey.
22. **Corlu, M. S.** (2019, April). *STEM uygulamaları ve LabStar* [STEM applications and LabStar]. Invited presentation at the Bölgesel STEM Çalıştayı, Gaziantep İl Milli Eğitim Müdürlüğü & Erdem Koleji, Gaziantep, Turkey.

23. **Corlu, M. S.** (2019, March). Yaparak-üreterek öğrenmek [Learning by making]. Invited presentation at the Eğitimde Yenilikçilik Zirvesi, Trabzon, Turkey.
24. **Corlu, M. S.** *21.yy'da öğretmenlik mesleği* [Teaching in the 21st century]. Invited presentation at the Istanbul Sabahattin Zaim Üniversitesi, Istanbul, Turkey.
25. **Corlu, M. S.** (2019, March). *İlkokullar için STEM müfredat programı* [earlySTEM curriculum program]. Invited presentation at the Uğur Okulları erkenSTEM Basın Lansmanı, Istanbul, Turkey.
26. **Corlu, M. S.** (2019, February). Değişim zamanı gelmedi mi? [It is about time for a change], In E. Karaboncuk (Moderator). Invited presentation at the #EGTyayın, Online. <https://www.youtube.com/watch?v=FumaMEJniTg>
27. **Corlu, M. S.** (2019, January). *STEM: Integrated teaching framework*. Invited presentation at the British Education and Training Technology Exhibition (BETT) 2019, London, UK.
28. **Corlu, M. S.** (2019, January). *21.yy'da öğretmenlik mesleği* [Teaching in the 21st century]. Invited presentation at the Yeni Nesil Eğitim Modeli STEM+A symposium at the Bahçeşehir Koleji Atakum, Samsun Turkey.
29. **Corlu, M. S.** (2018, December). *Sınır tanımayan öğretmenlik* [Teaching without borders]. Invited presentation at the TED University, Ankara, Turkey.
30. **Corlu, M. S., & Gurbuz, Ö.** (2018, December). İlkokullar için STEM programının 2018-2019 kitaplarında yer alan AR uygulaması nasıl geliştirildi? [How was the AR apps were developed for earlySTEM program?]. Invited presentation for Bahçeşehir Koleji, Istanbul, Turkey. <https://www.youtube.com/watch?v=Gq7tPx-MBr0>
31. **Corlu, M. S.** (2018, November). *Uluslararası öğretmenlik* [International teaching]. Invited presentation at the Bahçeşehir University, Istanbul, Turkey.
32. **Corlu, M. S. & Süral, S.** (2018, November). *STEM: Bütünleşik öğretmenlik çerçevesi ve fen bilgisi öğretmenleri için STEM eğitimi örnekleri* [STEM: Integrated teaching framework and STEM education practices for preservice mathematics teachers]. Invited presentation at the Boğaziçi Üniversitesi, Istanbul, Turkey
33. **Corlu, M. S. & Süral, S.** (2018, November). *STEM: Bütünleşik öğretmenlik çerçevesi ve matematik öğretmenleri için STEM eğitimi örnekleri* [STEM: Integrated teaching framework and STEM education practices for preservice mathematics teachers]. Invited presentation and half-day workshop at the Boğaziçi Üniversitesi, Istanbul, Turkey.
34. **Corlu, M. S.** (2018, October). *21.yy'da öğretmenlik mesleği* [Teaching in the 21st century]. Invited presentation at the 21. Yüzyıl Yaşam Becerileri Projesi STEM: Öğretmen Eğitimi Çalıştayı, Muğla Milli Eğitim Müdürlüğü, Muğla, Turkey.
35. **Corlu, M. S.** (2018, October). *Matematik ve kültür* [Mathematics and culture]. Invited presentation at the Şanlıurfa Bilim Şenliği TÜBİTAK 4007 Project, Şanlıurfa, Turkey.
36. **Corlu, M. S.** (2018, October). *STEM: Bütünleşik öğretmenlik çerçevesi ve HAREZMİ eğitim modeli* [STEM: Integrated teaching framework and HAREZMİ education model]. Invited presentation at the Harezmi Eğitim Modeli Yeni Dönem Tanıtım Programı, Istanbul, Turkey. <https://www.youtube.com/watch?v=OzVQxa5LYqY>
37. **Corlu, M. S.** (2018, October). *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated teaching framework]. Invited presentation and half-day workshop at the Darussafaka Schools, Istanbul, Turkey.
38. **Corlu, M. S.** (2018, October). *STEM gelecektir; hazır mısın?* [STEM is the future; are you ready?] Invited presentation at the STEAM Days, Enka Schools, Istanbul, Turkey.
39. **Corlu, M. S.** (2018, September). *Çoklu zekadan gelişim odaklı zihin yapısına* [From multiple intelligence theory to growth mindset]. Invited presentation at the Zeka ve Yetenek Kongresi VI, ODTÜ, Ankara, Turkey.
40. **Corlu, M. S.** (2018, September). *STEM: Bütünleşik öğretmenlik çerçevesi ve öğretmen mesleki gelişimine etkileri* [STEM: Integrated teaching framework and its implications for teacher professional development]. Invited presentation at the Balıkesir'de Herkes için Bilim Var! Project, Balıkesir, Turkey.
41. **Corlu, M. S.** (2018, September). *STEM: Integrated teaching framework and its implications for teacher professional development*. Invited presentation and three-day workshop with Fulford Academy, Istanbul, Turkey.
42. **Corlu, M. S.** (2018, September). *21.yy'da öğretmenlik mesleği* [Teaching in the 21st century]. Invited presentation at the Uğur Schools, Istanbul, Turkey.
43. **Corlu, M. S.** (2018, September). *İlkokullar için STEM müfredat programı* [earlySTEM curriculum program]. One-day workshop at Gaziantep İl Milli Eğitim Müdürlüğü, Antep, Turkey.
44. **Corlu, M. S.** (2018, September). *21.yy'da öğretmenlik mesleği* [Teaching in the 21st century]. Invited presentation at the Küçük Prens Schools, Istanbul, Turkey.

45. **Corlu, M. S.** (2018, August). *Computational thinking in the STEM: Integrated Teaching Framework*. Half-day workshop at the annual meeting of the T3Turkey, Istanbul, Turkey.
46. **Corlu, M. S.** (2018, August). *STEM Bütünleşik öğretmenlik çerçevesi* [STEM integrated teaching framework]. One-day workshop at the Nun Okulları, Istanbul, Turkey.
47. **Corlu, M. S.** (2018, August). *STEM ile yaşama becerileri* [Lifelong skills with STEM]. One-day workshop at the Uğur Schools, Denizli, Turkey.
48. Özdaş, T., Mert, U., & **Corlu, M. S.**, (2018, July). *T³ Turkey: A university-empowered professional learning community of teachers teaching with technology*. Invited presentation at the TI STEM lab meeting, Bratislava, Slovakia.
49. **Corlu, M. S.** (2018, June). *STEM Bütünleşik öğretmenlik çerçevesi* [STEM integrated teaching framework]. One-day workshop at the Özel Bilkent Ortaokulu ve Lisesi, Ankara, Turkey.
50. **Corlu, M. S.**, Mert, U., & Özdaş, T. (2018, June). *Beynəlxalq sertifikatlı STEM təlimi* [Internationally-certified STEM training]. One-day workshop, Hedef Liseyi, Baku, Azerbaijan.
51. **Corlu, M. S.** (2018, June). *Changing ways of knowing and STEM teaching*. Invited presentation at the Novia Engelska Skolan, STEMforAll Erasmus+ Project, Stockholm, Sweden.
52. Ayas, A., & **Corlu, M. S.** (2018, May). *Program planning in adult education: Part II*. One-day workshop at the Good Governance Strategies for Organizational Excellence in Turkish Universities Program, Türkiye Bilimsel ve Teknolojik Araştırma Kurumu Başkanlığı - Türkiye Sanayi Sevk ve İdare Enstitüsü Müdürlüğü, Gebze, Turkey.
53. **Corlu, M. S.** (2018, April). *21.yy'da öğretmenlik mesleği* [Teaching in the 21st century]. Invited presentation at the İstek Schools, Istanbul, Turkey.
54. **Corlu, M. S.** (2018, April). *STEM gelecektir; hazır mısın?* [STEM is the future; are you ready?] Invited presentation at the STEAM Days, Enka Schools, Istanbul, Turkey.
55. **Corlu, M. S.** (2018, March). *21.yy'da öğretmenlik mesleği ve STEM* [Teaching in the 21st century and STEM]. Invited presentation at the Yeni Nesil Eğitim Modeli STEM+A Çalıştayı, Kayseri İl Milli Eğitim Müdürlüğü & Kayseri Bahçeşehir Koleji, Kayseri, Turkey.
56. **Corlu, M. S.** (2018, March). *21. yy'da öğretmenlik mesleği: Bütünleşik Öğretmenlik Çerçevesi ve Öğretmen Mesleki Gelişimine Etkileri* [Teaching in the 21st century: Integrated teaching framework and its implications for teacher professional development]. Invited presentation and half-day workshop at the Yenilikçi Eğitim Kongresi, Gençlik Eğitim Kurumları, Konya, Turkey. <https://www.youtube.com/watch?v=qkOdm3Fruc>
57. **Corlu, M. S.** (2018, March). *Changing ways of knowing in knowledge societies and implications for STEM teaching*. Keynote speech at the 20th Annual Science and Mathematics Educators Conference (SMEC), American University of Beirut, Lebanon.
58. Ayas, A., & **Corlu, M. S.** (2018, February). *Program planning in adult education: Part I*. One-day workshop at the Good Governance Strategies for Organizational Excellence in Turkish Universities Program, Türkiye Bilimsel ve Teknolojik Araştırma Kurumu Başkanlığı - Türkiye Sanayi Sevk ve İdare Enstitüsü Müdürlüğü, Gebze, Turkey.
59. **Corlu, M. S.** (2018, March). *21.yy'da öğretmenlik mesleği: Bütünleşik öğretmenlik çerçevesi ve öğretmen mesleki gelişimine etkileri* [Teaching in the 21st century: Integrated teaching framework and its implications for teacher professional development]. Invited presentation at the Kartal İlçe Millî Eğitim Müdürlüğü, Istanbul, Turkey.
60. **Corlu, M. S.** (2018, January). *21.yy'da öğretmenlik mesleği ve yenilikçilik* [Teaching in the 21st century and STEM]. Invited presentation at the Bengi Project, Balıkesir, Turkey.
61. **Corlu, M. S.**, Mert, U., & Özdaş, T. (2017, December). *STEM uygulamaları* [STEM applications in context]. One-day workshop at the Hedef Liseyi, Baku, Azerbaijan.
62. **Corlu, M. S.** (2017, December). *21.yy'da öğretmenlik mesleği ve yenilikçilik* [Teaching profession in the 21st century and innovation]. Invited presentation at the Eğitimde Yeni Yaklaşımlar, Bursa, Turkey.
63. **Corlu, M. S.**, Helvacı, B. (2017, November). *TÜSİAD STEM kiti ve öğretmen eğitimi programı* [TÜSİADSTEM kit ve teacher education program]. Invited presentation at the Eğitimde Gelecek Konferansı, Istanbul, Turkey.
64. **Corlu, M. S.** (2017, September). *21.yy'da öğretmenlik mesleği ve yenilikçi öğrenme ortamları* [Teaching profession in the 21st century and innovative learning environments]. Keynote speech at the eTwining Bölgesel Çalıştayı, Bursa, Turkey.

65. **Corlu, M. S.** (2017, September). *STEM: Tanımlar, amaçlar ve yeni dönem* [STEM: Definitions, goals and the future]. Invited presentation at the Gaziantep Üniversitesi STEM Eğitimi BAP Projesi, Turkey.
66. **Corlu, M. S.** (2017, August). *STEM with T.I. technology*. Half day workshop at the Üsküdar American Academy, Istanbul, Turkey.
67. **Corlu, M. S.** (2017, June). *ITP Meet and Greet*. Two-day workshop at the Fulford Academy, Ontario, Canada.
68. **Corlu, M. S.** (2017, June). *ITP Meet and Greet*. Half day workshop at the İTÜ Geliştirme Vakfı, Istanbul, Turkey.
69. **Corlu, M. S.** (2017, June). *ITP Meet and Greet*. Half day workshop at the Saint-Joseph Lisesi, Istanbul, Turkey.
70. **Corlu, M. S.** (2017, May). *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated teaching framework]. Invited presentation at the Bakırköy 1. Robotik ve Kodlama Şenliği, Bakırköy Millî Eğitim Müdürlüğü, Istanbul, Turkey.
71. **Corlu, M. S.** (2017, May). *ITP Meet and Greet*. Half day workshop at the RCMakers, American Robert College, Istanbul, Turkey.
72. **Corlu, M. S.** (2017, April). *ITP Meet and Greet*. Half day workshop at the Şişli Terakki Lisesi, Istanbul, Turkey.
73. **Corlu, M. S.** (2016, December). *STEM: Bütünleşik öğretmenlik çerçevesi* [STEM: Integrated teaching framework]. Invited presentation at the MEF Eğitimde Değişim Konferansları, MEF Üniversitesi, Istanbul, Turkey.
74. **Corlu, M. S.** (2016, October). *STEM ve bilgi temelli hayatta değişen öğretmenlik mesleği* [STEM & teaching as a profession in knowledge society]. Invited presentation at the Zihinden Makineye Bilgisayar Bilimleri ve Disiplinlerarası Eğitim Çalıştayı, Istanbul Millî Eğitim Müdürlüğü, Turkey.
75. **Corlu, M. S.** (2016, October). *STEM with T.I. technology*. Half day workshop at the TED Ankara, Ankara, Turkey.
76. **Corlu, M. S.** (2016, September). *STEM with T.I. technology*. Half day workshop at the Uğur Yaşamkent Okulları, Ankara, Turkey.
77. **Corlu, M. S.** (2016, September). *STEM alanında Türkiye'deki çalışmalar* [STEM in Turkey]. Invited presentation at the Avrupa Araştırmacılar Gecesi, Istanbul Valiliği, Istanbul, Turkey.
78. **Corlu, M. S.** (2016, August). *STEM with T.I. technology*. Half day workshop at the Üsküdar American Academy, Istanbul, Turkey.
79. **Corlu, M. S.** (2016, May). *Bütünleşik öğretmenlik projesinden ilk bulgular* [Preliminary findings from the integrated teaching project]. Keynote speech at the Innovative Learning Environments and Pedagogies Conference for Industry 4.0, Bahçeşehir University, Istanbul, Turkey.
80. **Corlu, M. S.** (2016, May). *Bir bütün olarak STEM ve okul* [STEM and school as a whole]. Invited presentation at the 12th International Conference: Science of Learning, Bilkent University, Ankara, Turkey.
81. **Corlu, M. S.** (2015, September). *Matematik öğretmenleri için FeTeMM eğitimi örnekleri* [STEM education practices for mathematics teachers]. Half -day workshop at the STEM&Makers Fest. Hacettepe University, Ankara, Turkey.
82. **Corlu, M. S., & Özel, S.** (2015, August). *Fen bilgisi dersinde 5E modelinin FeTeMM eğitimi kuramına göre uygulama ilke ve örnekleri* [Applications of the 5E model in middle school science according to the STEM education principles]. One-day workshop at the FeTeMM Eğitimi Yaklaşımı: Fen Sınıflarının Disiplinler Arası Bağlarla Güçlendirilmesi 4005 TÜBİTAK Project. Sinop University, Sinop, Turkey.
83. **Bulut, M., & Corlu, M. S.** (2015, July). *Lise matematik dersinde 5E modelinin FeTeMM eğitimi kuramına göre uygulama ilke ve örnekleri* [Applications of the 5E in high school mathematics according to the STEM education principles]. 30 contact hours of professional development at the e-İçerik Geliştirme Eğitimi. SEBIT, Mersin, Turkey.
84. **Baykaldı, G., & Corlu, M. S.** (2015, July). *Designing lesson materials for teaching in the 21st century: Creative drama*. Eight contact hours of professional development at the Professional Development Program for Teachers of Regional Countries. Bilkent University, Ankara, Turkey.
85. **Akgün, F. M., & Corlu, M. S.** (2015, July). *Communication skills in teaching*. Eight contact hours of professional development at the Professional Development Program for Teachers of Regional Countries. Bilkent University, Ankara, Turkey.

86. **Corlu, M. S.**, & Hezen, E. (2015, July). *International Baccalaureate Primary Years Programme*. Eight contact hours of professional development at the Professional Development Program for Teachers of Regional Countries. Bilkent University, Ankara, Turkey.
87. **Corlu, M. S.**, Akgün, F. M., & Hakioglu, T. (June, 2015). *Matematik öğretmenliği bilgi ve becerileri: FeTeMM eğitimine sanat sosu ve Scientix örnekleri* [Knowledge and skills for teaching mathematics: Examples from arts in STEM education and Scientix]. Invited presentation at the Turkish Private Schools Association 21.yüzyıl Becerileri Çalıştayı, Istanbul, Turkey.
88. Çakmakçı, G., & **Corlu, M. S.** (May, 2015). *STEM-FeTeMM eğitimi: Türkiye özelinde pratikten kurama yeniliği bir öğrenme yolculuğu* [STEM education: A journey from theory to practice in the Turkish context]. Invited presentation at the Türkiye Bilimler Akademisi Bilim Eğitimi Kursu, Ankara, Turkey.
89. **Corlu, M. S.**, & Fırat, E. (2015, May). *FeTeMM eğitimi uygulamaları: Robotik örnekleri*. Invited presentation at the 2nd International Conference on New Trends in Education “STEM Education: Establishing A Bridge Across Contexts, Istanbul, Turkey.
90. Özel, S., **Corlu, M. S.**, Yetkinel-Özel, Z. E., Aydın, E., Delice, A., & Adıgüzel, T. (May, 2015). *FeTeMM eğitimi modeli ve iyi örnekleri* [STEM education in the Turkish context and some exemplary applications]. Invited presentation at the Türk Bilgisayar ve Matematik Eğitimi Sempozyumu II, Adıyaman, Turkey.
91. **Corlu, M. S.**, Sagun, S., & Fırat, E. (January, 2015). *FeTeMM eğitimi nedir, geleceğin sınıflarında hangi yaklaşımları zorunlu kılar?* [What is STEM education and what approaches does it necessitate in future classrooms?]. Invited presentation at the 14th Annual Education Symposium of Turkish Private Schools Association, Antalya, Turkey.
92. **Corlu, M. S.** (2014, December). *FeTeMM =?= STEM: Professional Learning Communities*. Invited presentation at the mathematics education graduate student seminars. Middle East Technical University, Ankara, Turkey.
93. **Corlu, M. S.**, & Can, G. (2014, July). *Designing lesson materials for teaching in the 21st century*. 28 contact hours of professional development at the Professional Development Program for Teachers of Regional Countries. Bilkent University, Ankara, Turkey.
94. **Corlu, M. S.** (2013, July). *Designing lesson materials for teaching in the 21st century*. 24 contact hours of professional development at the Professional Development Program for Teachers of Regional Countries. Bilkent University, Ankara, Turkey.
95. **Corlu, M. S.** (2013, May). *Being an international teacher: A survival guide*. Invited presentation at Experiential Facets of International Programs and Standards in Turkish schools, Bilkent University, Ankara, Turkey.
96. **Corlu, M. S.** (2010, June). *Project-based learning with graphing calculators*. Half-day workshop at Aggie-Stem Summer Conference for Teachers, Dallas, TX.
97. **Corlu, M. S.** (2010, September - March). *Project-based learning*. 30 contact hours of workshop at the Hearne independent school district, Hearne, TX.
98. Capraro, M. M., Capraro, R. M., & **Corlu, M. S.** (2009, November). *STEM project-based learning in urban classrooms*. Invited presentation at Science Education Seminar Series, Texas A & M University, College Station, TX. [Seminar]
99. **Corlu, M. S.** (2002, September). *Multiple intelligence theory and Da Vinci*. Invited presentation at the 6th annual Teachers Teaching Teachers Conference, Istanbul, Turkey.

Services for the Teacher Community: Reports, Bulletins

1. **Corlu, M. S.** (2019). STEM: Bütünleşik öğretmenlik projesi 2018-19 faaliyet raporu [STEM: Integrated teaching project 2018-19 activity report]. Retrieved from <https://inteach.org/detay/165>
2. **Corlu, M. S.** (2019). STEM: Bütünleşik öğretmenlik projesi STEM-FeTeMM öğretmen bülteni [STEM: Integrated teaching project STEM teacher bulletin], 3(1). <https://inteach.org/stem-fetemm-ogretmen-bulteni-2019-166>
3. **Corlu, M. S.** (2018). STEM: Bütünleşik öğretmenlik projesi STEM-FeTeMM öğretmen bülteni [STEM: Integrated teaching project STEM teacher bulletin], 2(1). <https://inteach.org/stem-fetemm-ogretmen-bulteni-2018-sayisi-131>
4. **Corlu, M. S.** (2016). STEM: Bütünleşik öğretmenlik projesi: STEM-FeTeMM öğretmen bülteni [STEM: Bütünleşik öğretmenlik projesi STEM-FeTeMM öğretmen bülteni [STEM: Integrated teaching project STEM teacher bulletin]], 1(1). Retrieved from <https://inteach.org/stem-fetemm-ogretmen-bulteni-2016-sayisi-132>

Services for the Teacher Community: Appearances in Mass Media

1. <https://www.karar.com/Istanbul/stem-uygulamasina-avrupadan-odul-1382138>
2. <https://inteach.org/haberler/erkenstem-basin-lansmani/>
3. <https://inteach.org/haberler/egitimde-stem-uygulamasi/>
4. <https://www.dha.com.tr/egitim/ogrenciler-stem-dayde-projelerini-sergiledi/haber-1641504>
5. <https://www.dha.com.tr/egitim/bahcesehir-koleji-egitimde-yenilikcilik-zirvesi-duzenledi/haber-1633719>
6. <https://www.dha.com.tr/egitim/artirilmis-gerceklik-teknolojisi-ogrencilerin-ders-kitaplarina-girdi/haber-1632103>
7. <https://inteach.org/gundem/stem-gelecektir-volkan-aki/>
8. <https://www.sozcu.com.tr/2018/egitim/yaparak-yasayarak-ogrenme-yaklasimi-stem-2782396/>
9. <http://www.hurriyet.com.tr/yerel-haberler/ankara/merkez/ugurlu-ogrencilerin-uretkenlikleri-ve-yaraticil-41007665>
10. <http://www.hurriyet.com.tr/egitim/ogrenciler-teknolojiyi-kullanarak-uretmeyi-ogrenecek-40991215>
11. <http://www.hurriyet.com.tr/yerel-haberler/ankara/merkez/goruntulu-ankarada-6nci-zeka-ve-yetenek-kon-40971814>
12. <http://www.hurriyet.com.tr/egitim/teknoloji-ve-egitim-fuari-basliyor-40838305>
13. <http://www.hurriyet.com.tr/matematik-sampiyonlarına-odul-40862881>
14. <http://www.hurriyet.com.tr/baustem-merkezi-direktoru-doc-dr-corlu-stem-40344646>
15. <http://www.hurriyet.com.tr/ugurda-ogretmenler-erkenstem-ile-21nci-yuzyil-40703073>
16. <http://www.hurriyet.com.tr/ogretmen-ve-ogrencilere-stem-egitimi-40639237>
17. <http://www.hurriyet.com.tr/stem-yaklasimi-okul-oncesinde-40397127>
18. <http://www.hurriyet.com.tr/akademik-altyapi-guclenerek-buyuyor-40317894>
19. <http://www.hurriyet.com.tr/stem-egitim-calistayi-basladi-40572867>
20. <https://www.cnnturk.com/yurttan-haberler/bursa/bursa-bilim-ve-teknoloji-merkezi-egitim-sisteminde-yeni-yaklasimlari-tartismaya-acti>
21. <http://www.milliyet.com.tr/sakarya-5-bin-stem-ogretmeni-yetistiriyor-sakarya-yerelhaber-2391244/>
22. <http://www.iha.com.tr/haber-baуда-endustri-40-icin-yenilikci-ogrenme-ortamlari-ve-pedagojileri-konferansi-561033/>

Services for the Teacher Community: Podcast Appearances

- STEM Öğretmenleri ve Araştırmacıları [STEM Teachers and Researchers] hosting a biweekly program
1. <https://soundcloud.com/inteach/25-aralik-2019>
 2. <https://soundcloud.com/inteach/pisa-2018-sonuclari-ozel-yayin>
 3. <https://soundcloud.com/inteach/27-kasim-2019>
 4. <https://soundcloud.com/inteach/11-kasim-2019-buek-haber-lego-education-ozel-yayin>
 5. <https://soundcloud.com/inteach/06-kasim-2019>
 6. <https://soundcloud.com/inteach/23-ekim-2019>
 7. <https://soundcloud.com/inteach/9-ekim-2019>
 8. <https://soundcloud.com/inteach/17-nisan-2019>
 9. <https://soundcloud.com/inteach/3-nisan-2019>
 10. <https://soundcloud.com/inteach/20-mart-2019>
 11. <https://soundcloud.com/inteach/06-mart-2019>
 12. <https://soundcloud.com/inteach/20-subat-2019>
 13. <https://soundcloud.com/inteach/26-aralik-2018>
 14. <https://soundcloud.com/inteach/28-kasim-2018>
 15. <https://soundcloud.com/inteach/31-ekim-2018>
 16. <https://soundcloud.com/inteach/19-eylul-2018>
 17. <https://soundcloud.com/inteach/10-eylul-2018>
 18. <https://soundcloud.com/inteach/4-nisan-2018>
 19. <https://soundcloud.com/inteach/7-mart-2018>
 20. <https://soundcloud.com/inteach/stem-ogretmenleri-7-subat-2018-yayini>
 21. <https://soundcloud.com/inteach/stem-ogretmenleri-pilot-yayini-20-ocak-2018>

Teaching Activities

Teaching Activities: Courses Offered at OsloMet - Oslo Metropolitan University

- 2022-2023 Spring: (co-teach with).
- 2022-2023 Fall: LSUM6300 Perspektiver på algebraisk tenkning på barnetrinnet [Perspectives on algebraic reasoning in primary school] (co-teach with Eriksen, E. L., & Fadum, A. H.).

Teaching Activities: Courses Offered at Bahçeşehir University

- 2022-2023 Fall: EDT6101 Quantitative methods in educational research.
- 2021-2022 Spring: EDE5182 Eğitim tasarımı ve değerlendirme [Educational design and evaluation].
- 2021-2022 Fall: EDT5007 Product and process evaluation in educational technology, RCH6001 Advanced research methods.
- 2020-21 Spring: EDT5012 Statistical data analysis, CNG5103 Advanced statistics.
- 2020-21 Fall: EDT6101 Quantitative methods in educational research, EDT5020 Selected topics: International education and schools.
- 2019-20 Spring: -
- 2019-20 Fall: EDT6101 Quantitative methods in educational research, ECE2101 Mathematics education in early childhood (co-teach with Yabaş D.); ECE2103 Science education in early childhood (co-teach with Boyacı, H. S.).
- 2018-19 Summer: Math 2002 Calculus II
- 2018-19 Spring: EDT5012 Statistical data analysis; ECE2004 Mathematics and science education in early childhood
- 2018-19 Fall: EDT6101 Quantitative methods in educational research
- 2017-18 Spring: EDT5020 Selected topics: International education and schools.
- 2017-18 Fall: EDT6101 Quantitative methods in educational research, earlySTEM for classroom teachers (Hasan Kalyoncu University).
- 2016-17 Spring: EDT5012 Statistical data analysis.
- 2016-17 Fall: EDT5020 Selected topics: International education and schools, EDT6114 Emerging topics: STEM education research.

Teaching Activities: Courses Offered at Bilkent University

- 2016 Spring: Math 105 Calculus I, TE 545 Special teaching methods in mathematics II, TE 565 School experience II, CI 511 Curriculum in an international context.
- 2015 Fall: MTE 501 Mathematics curriculum review, TE 535 Special teaching methods in mathematics I, TE 555 School experience I, TE 575 Teaching practice.
- 2015 Spring: TE 545 Special teaching methods in mathematics II, TE 565 School experience II, CI 511 Curriculum in an international context.
- 2014 Fall: CI 604 Advanced statistics in education, MTE 501 Mathematics curriculum review, TE 535 Special teaching methods in mathematics I, TE 555 School experience I, TE 575 Teaching practice.
- 2014 Summer: CI 513 Statistics.
- 2014 Spring: TE 545 Special teaching methods in mathematics II, TE 565 School experience II, MTE 503 Computer technology in mathematics, CI 511 Curriculum in an international context.
- 2013 Fall: CI 604 Advanced statistics in education, MTE 501 Mathematics curriculum review, TE 535 Special teaching methods in mathematics I, TE 555 School experience I, TE 575 Teaching practice.
- 2013 Summer: CI 513 Statistics.
- 2013 Spring: TE 545 Special teaching methods in mathematics II, TE 565 School experience II, MTE 503 Computer technology in mathematics.
- 2012 Fall: CI 604 Advanced statistics in education, TE 535 Special teaching methods in mathematics I, TE 555 School experience I, TE 575 Teaching practice.

Teaching Activities: Courses Offered at Boğaziçi University

- 2012 Summer: PRED 470 Assessment in mathematics and science education.

Teaching Activities: Courses Offered at Texas A&M University

- *2011 Fall:* TEFB 412 Elementary mathematics methods with fieldwork.

Teaching Activities: Courses Assisted at Texas A&M University

- *2011 Spring:* TEFB 412 Elementary mathematics methods with fieldwork, MASC 450 Integrated mathematics and science.
- *2011 Fall:* MASC 351 Problem solving, MASC 450 Integrated mathematics and science.
- *2010 Spring:* TEFB 412 Elementary mathematics methods with fieldwork, MASC 351 Problem solving.

Graduate Students

Graduate Students: Supervisor (Committee Chair or CoChair)⁴

1. *Zehra Çatma (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2013. *How special are teachers of specialized schools? A quantitative investigation of Turkish mathematics teachers' self-confidence levels in the technology domain.*
2. *Burcu Yağız (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2014. *Investigating the impact of international general certificate of secondary education scores and gender on the diploma programme scores in mathematics and science.*
3. *G. İrem Bayram (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2014. *Exploring the academic and social challenges of visually impaired students in learning high school mathematics.*
4. *R. Merve Niğdelioğlu (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2014. *Professionals or adventure seekers? Eliciting the impact of relocation and mobility on teaching quality of mathematics and science teachers.*
5. Mustafa Aydos (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2015. *The impact of teaching mathematics with GeoGebra on conceptual understanding in limit and continuity: The case of Turkish gifted and talented students.*
6. Ezgi Çallı (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2015. *A quantitative investigation of mathematical knowledge for teaching and self-efficacy: Middle school mathematics teachers in Turkey*
7. *Esra Yaprak (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2015. *Investigating the foundations of Turkish elementary mathematics education through an analysis of a late Ottoman textbook.*
8. Özge Arslan (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2016. *An investigation of students' number sense and attitude scores as predictors of mathematics achievement.*
9. Gülhan Can Baş (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2017. *Investigating self efficacy beliefs and algebraic knowledge of turkish middle school mathematics teachers by the interaction of age groups and teaching degrees*
10. Gamze Baykaldı (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2017. *Exploring challenges of mathematics teachers who teach high school mathematics for visually impaired students in Turkey.*
11. Nil Şenkutlu (M.A. in Curriculum and Instruction with Teaching Certificate, Bilkent University) – 2018. *A systematic analysis of an initial STEM professional development program: A case study.*

⁴ * if published as a journal article