

Nilay OZTURK

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### **Research Focus**

STEM education (Integrated teaching), Science education, Socioscientific issues, Teacher beliefs, Teacher education

### **Education Background**

- Middle East Technical University (METU), Turkey. Ph.D. (2016). Science Education. Dissertation title: *Preservice science teachers' SSI teaching self-efficacy beliefs and their relations to knowledge, risk and benefit perceptions, and personal epistemological beliefs*. Supervisor: Prof. Dr. Ozgul Yilmaz-Tuzun.
- Middle East Technical University (METU), Turkey. M.S. (2011). Elementary Science and Mathematics Education. Thesis title: *Investigating pre-service science teachers' informal reasoning, epistemological beliefs and metacognitive awareness regarding socioscientific issues: A case for nuclear power plant construction*. Supervisor: Prof. Dr. Ozgul Yilmaz-Tuzun.
- Middle East Technical University (METU), Turkey. B.S. (2009). Elementary Science Education. Minor: Elementary Mathematics Education.
- Beyoglu Anadolu Lisesi (English High School for Girls), Turkey. (2005). High school.

### **Academic Experience**

- Bahcesehir University. Associate Professor. (2023 August-...). Faculty of Educational Sciences, BAUSTEM Center.
- Bahcesehir University. Assistant Professor. (2022-2023 August). Faculty of Educational Sciences, BAUSTEM Center.
- University of Minnesota. Visiting scholar. (2021 August-2022 August). STEM Education Center, Department of Curriculum and Instruction.
- Kirsehir Ahi Evran University. Assistant Professor. (2018-2022). Department of Science Education.
- University of Missouri. Visiting scholar. (2015 August-2016 January). ReSTEM Institute, Department of Learning, Teaching, and Curriculum.
- Middle East Technical University. Graduate Research Assistant. (2009-2017). Department of Elementary Science Education.

### **Professional Associations**

National Association for Research in Science Teaching (NARST), European Science Education Research Association (ESERA), Turkish Science Education and Research Association (SERA).

### **Citations (h-index)**

March 2024 - GoogleScholar: 507(10), Web of Science: 80(3).

## Scholarly Activities

### Scholarly Activities: Peer-reviewed Articles - International

1. **Ozturk, N.**, Aydin-Gunbatar, S., & Roehrig, G. H. (2023). Elementary science teachers' engineering integration after long-term in-service training program with and without curriculum material support. *Research in Science and Technological Education*. <https://doi.org/10.1080/02635143.2023.2260996> [Peer-reviewed, SSCI, ERIC, Scopus].
2. Irmak, M., **Ozturk, N.**, Tuncay-Yüksel, B., Cakir-Yildirim, B., & Karaarslan-Semiz, G. (2023). Reasoning in the era of COVID-19 pandemic: Turkish pre-service teachers' informal reasoning regarding COVID-19 vaccination and its relation to new media literacy. *Science & Education*. <https://doi.org/10.1007/s11191-023-00467-y> [Peer-reviewed, SSCI, ERIC, Scopus].
3. Karaarslan-Semiz, G., Cakir-Yildirim, B., Tuncay-Yuksel, B., **Ozturk, N.**, & Irmak, M. (2023). What can be learned from pre-service teachers' intentions to vaccinate against COVID-19 and relevant factors for future crises? A cross-sectional survey research. *Journal of Turkish Science Education*, 20(3), 567–586. <https://doi.org/10.36681/tused.2023.032> [Peer-reviewed, ERIC, Scopus].
4. Sönmez, D., & **Ozturk, N.** (2022). Preparing to teach in informal settings: preservice science teachers' experiences in a natural history museum. *International Journal of Science Education*, 44(18), 2724–2744. <https://doi.org/10.1080/09500693.2022.2149285> [Peer-reviewed, SSCI, ERIC, Scopus].
5. **Ozturk, N.**, & Yilmaz-Tuzun, O. (2022). Knowledge and risk–benefit perception as predictors of preservice science teachers' self-efficacy beliefs for socioscientific issues–based instruction. *Canadian Journal of Science, Mathematics, and Technology Education*, 22, 915–930. <https://doi.org/10.1007/s42330-022-00249-8> [Peer-reviewed, ERIC, ESCI, Scopus].
6. Irmak, M., & **Ozturk, N.** (2022). Understanding preservice science teachers' views about engineers and engineering in an engineering-focused STEM course. *European Journal of STEM Education*, 7(1), <https://doi.org/10.20897/ejsteme/12603> [Peer-reviewed, ERIC, Scopus].
7. **Ozturk, N.**, Akyol, G., & Tuncay-Yuksel, B. (2022). How do preservice science teachers' personal epistemological beliefs differ for different levels of nature of science views?. *Ahi Evran University Journal of Kirsehir Education Faculty*, 23(1), 1042–1090. [Peer-reviewed, TR Index, H. W. Wilson Databases (Education Full Text)].
8. **Ozturk, N.**, & Yilmaz-Tuzun, O. (2017). Preservice science teachers' epistemological beliefs and informal reasoning regarding socioscientific issues. *Research in Science Education*, 47(6), 1275–1304. <https://doi.org/10.1007/s11165-016-9548-4> [Peer-reviewed, SSCI, ERIC, Scopus].
9. **Ozturk, N.**, & Teksoz, G. (2016). The impact of affective constraints on shaping environmental literacy: Model testing using mediator and moderator variables. *International Electronic Journal of Environmental Education*, 6(2), 54–75. [Peer-reviewed, ERIC, Scopus].
10. Dal, B., Alper, U., Ozdem-Yilmaz, Y., **Ozturk, N.**, & Sonmez, D. (2015). A model for pre-service teachers' climate change awareness and willingness to act for pro-climate change friendly behavior: adaptation of awareness to climate change questionnaire. *International Research in Geographical and Environmental Education*, 24(3), 184–200. <https://doi.org/10.1080/10382046.2015.1034456> [Peer-reviewed, ESCI, Scopus].
11. Dal, B., **Ozturk, N.**, Alper, U., Sonmez, D., & Cokelez, A. (2015). An analysis of teachers' climate change awareness. *Athens Journal of Education*, 2(2), 111–122. <https://doi.org/10.30958/aje.2-2-2> [Peer-reviewed, ERIC, Scopus].
12. Elmas, R., **Ozturk, N.**, Irmak, M., & Cobern, W. W. (2014). An investigation of teacher response to national science curriculum reforms in Turkey. *Eurasian Journal of Physics and Chemistry Education*, 6(1), 2–33. [Peer-reviewed].
13. Ozdem, Y., Dal, B., **Ozturk, N.**, Sonmez, D., & Alper, U. (2014). What is that thing called climate change? An investigation into the understanding of climate change by 7th grade

students. *International Research in Geographical and Environmental Education*, 23(4), 294–313. <https://doi.org/10.1080/10382046.2014.946323> [Peer-reviewed, ESCI, Scopus].

14. Dal, B., **Ozturk, N.**, Alper, U., Sonmez, D., Misir, M. E., & Cokelez, A. (2014). Perception of climate change: Reasons, consequences, and willingness to act. How aware are they? *International Journal for Cross-Disciplinary Subjects in Education*, 4(2), 1930–1937. [Peer-reviewed].

#### Scholarly Activities: Peer-reviewed Articles - National

1. Yolacti-Kizilkaya, K., & **Ozturk, N.** (2022). Preservice science teachers' informal reasoning modes and socioscientific reasoning competencies: Hydraulic fracking and land management scenarios. *Baskent University Journal of Education*, 9(1), 64–86. [Peer-reviewed, TR Index].
2. **Ozturk, N.** (2019). Character and values for global citizens: A study with preservice science teachers. *Baskent University Journal of Education*, 6(2), 345–352. [Peer-reviewed, TR Index].
3. **Ozturk, N.**, Yılmaz-Tüzün, O., & Cakir-Yildirim, B. (2019). Öğretmen adaylarının STEM (FTMM) konularının öğretimine yönelik inanç ve görüşlerinin incelenmesi. *Trakya Journal of Education*, 9(4), 649–665. <https://doi.org/10.24315/tred.473464> [Peer-reviewed, TR Index].
4. Simsek, H., İslim, O. F., & **Ozturk, N.** (2019). Student satisfaction as an indicator of quality in higher education: A scale development study. *Trakya Journal of Education*, 9(3), 380–395. [Peer-reviewed, TR Index].

#### Scholarly Activities: Non-Peer reviewed Articles or Proceedings

1. Savas, M., Elmas, R., & **Ozturk, N.** (2012). A curriculum reflection: New science and technology curriculum in Turkey. In C. Bruguière, A. Tiberghien, & P. Clément (Eds.), *E-proceedings of the ESERA 2011 Conference: Science Learning and Citizenship* (pp. 62–68), European Science Education Research Association.

#### Scholarly Activities: Book Chapters

1. **Ozturk, N.**, & Tuncay-Yuksel, B. (2024). Developing preservice science teachers' sense of place through place-based socioscientific issues instruction. In B. Namdar & E. Karahan (Eds.), *Socioscientific Issues Focused Teacher Education: Place-Based Practices from Türkiye* (pp. 1–20). Springer.
2. **Ozturk, N.** (2022). Sosyobilimsel konular ve muhakeme [Socioscientific issues and reasoning]. In B. Namdar (Ed.), *Teaching Socioscientific Issues with Contemporary Approaches* (pp. 21–40). Nobel Akademi Yayıncılık.
3. **Ozturk, N.**, & Cakir-Yildirim, B. (2021). Bilimsel okuryazarlık [Scientific literacy]. In K. Bilican & Senler, B. (Eds.), *İlkokulda fen öğretimi* (pp. 1–22). Vize Yayıncılık.
4. **Ozturk, N.**, & Irmak, M. (2020). Sosyobilimsel konuların doğası ve fen eğitimindeki yeri [Socioscientific issues and its place in science education]. In M. Genc (Ed.), *Sosyobilimsel konuların öğretimi* (pp. 15–44). Nobel Akademi Yayıncılık.
5. **Ozturk, N.** (2019). Bilimsel okuryazarlık [Scientific literacy]. In S. Unlu-Cetin (Ed.), *Erken çocukluk fen eğitiminde temel konular ve güncel yaklaşımlar* (pp. 39–59). Nobel Akademi Yayıncılık.

#### Scholarly Activities: Paper Presentations, Posters

1. Aydın-Gunbatar, S., Delen, I., **Ozturk, N.**, & Yabas, D. (2023, September). *Kuram ve uygulamada bütünlük FeTeMM/STEM eğitimi: Farklı yaklaşımlar ve örnek uygulamalar* [Symposium]. 15th National Science and Mathematics Education Congress, Kars, Turkey.
2. Tuncay-Yuksel, B., Irmak, M., **Ozturk, N.**, Karaarslan-Semiz, G., & Cakir-Yildirim, B. (2023, September). *Kişisel deneyimlerin informal muhakemedeki rolü: COVID-19 aşılıları örneği* [Paper presentation]. 15th National Science and Mathematics Education Congress, Kars, Turkey.

3. Aydin-Gunbatar, S., **Ozturk, N.**, & Roehrig, G. (2023, August). *Addressing Integrated STEM Teacher Education from Different Perspectives - Science and engineering integration: Earth and life science teachers' STEM implementations* [Symposium]. ESERA Conference, Cappadocia, Turkey.
4. **Ozturk, N.**, & Roehrig, G. (2023, April). *Developing middle school students' socioscientific reasoning through integrated STEM education* [Paper presentation]. NARST Conference, USA.
5. Yabas, D., **Ozturk, N.**, Celenk, A. G., & Corlu, M. S. (2023, January). *An exploration of interdepartmental meetings for understanding the extent of teacher cooperation in STEM education* [Paper presentation]. Full STEM Ahead Virtual Conference.
6. **Ozturk, N.**, Aydin-Gunbatar, S. & Roehrig, G. (2022, September). *Examining the effect of a long-term engineering-based professional development program on science teachers' implementation of engineering design lessons* [Paper presentation]. European Conference on Educational Research (ECER) Conference, Yerevan, Armenia.
7. **Ozturk, N.**, & Roehrig, G. (2022, September). *Designing an integrated STEM curriculum unit in the context of socioscientific issues* [Paper presentation]. European Conference on Educational Research (ECER) Conference, Yerevan, Armenia.
8. Faruqi, F., Keratithamkul, K., Roehrig, G. H., Hiwatig, B. M., Forde, E., & **Ozturk, N.** (2022, June). *Manifestation of integration into practice: A single case study of an elementary science teacher in action* [Paper presentation]. ASEE Annual Conference and Exposition, USA.
9. **Ozturk, N.**, & Yolacti-Kizilkaya, K. (2022, March). *Preservice science teachers' informal reasoning modes in two different issue contexts* [Poster presentation]. NARST Annual Virtual Conference, USA.
10. Yolacti-Kizilkaya, K., & **Ozturk, N.** (2021, July). *Fen bilimleri öğretmen adaylarının sosyobilimsel muhakeme yeterlikleri* [Preservice science teachers' socioscientific reasoning competencies] [Paper presentation]. 8th International Eurasian Educational Research Congress, Aksaray, Turkey.
11. **Ozturk, N.**, & Irmak, M. (2021, April). *Developing preservice science teachers' conceptions of engineer and engineering through an elective STEM course* [Paper presentation]. NARST Annual Virtual Conference, USA.
12. **Ozturk, N.**, & Yilmaz-Tuzun, O. (2019, September). *A model testing on SSI teaching self-efficacy beliefs and related factors* [Paper presentation]. European Conference on Educational Research (ECER) Conference, Hamburg, Germany.
13. Tuncay-Yuksel, B., **Ozturk, N.**, & Akyol, G. (2019, June). *Fen bilimleri öğretmen adaylarının epistemolojik inançlarının cinsiyet değişkenine göre incelenmesi* [Paper presentation]. 6th International Eurasian Educational Research Congress, Ankara, Turkey.
14. Akyol, G., Tuncay-Yuksel, B., & **Ozturk, N.** (2019, June). *Fen bilimleri öğretmen adaylarının bilimin doğasına yönelik görüşlerinin epistemolojik inançları tarafından yordanabilirliği* [Paper presentation]. 6th International Eurasian Educational Research Congress, Ankara, Turkey.
15. **Ozturk, N.**, Akyol, G., & Tuncay-Yuksel, B. (2019, May). *Preservice primary school teachers' epistemological beliefs* [Paper presentation]. 13th International Computer and Instructional Technologies Symposium, Kırşehir, Turkey.
16. **Ozturk, N.** (2018, October). *"GDO'lu gıdalar konusunun öğretimi öz-yeterlik inancı ölçeği" geçerlik ve güvenilirlik çalışması* [Paper presentation]. 13th National Science and Mathematics Education Congress, Denizli, Turkey.
17. **Ozturk, N.** (2017, October). *Exploring preservice science teachers' knowledge and risk-benefit perceptions regarding genetically modified foods* [Paper presentation]. 5th International Instructional Technologies and Teacher Education Symposium, İzmir, Turkey.
18. **Ozturk, N.** (2017, October). *Examining preservice science teachers' character and values as global citizenships* [Paper presentation]. 5th International Instructional Technologies and Teacher Education Symposium, İzmir, Turkey.

19. Yılmaz-Tuzun, O., **Ozturk, N.**, & Cakiroglu, J. (2017, June). *Enhancing preservice science teachers' SSI teaching self-efficacy beliefs, and character and values for global citizenship* [Paper presentation]. ERPA International Congresses on Education, Budapest, Hungary.
20. Yılmaz-Tuzun, O., Cakiroglu, J., & **Ozturk, N.**, (2017, June). *Preservice science teachers' SSI teaching self-efficacy beliefs* [Paper presentation]. ERPA International Congresses on Education, Budapest, Hungary.
21. **Ozturk, N.**, & Yılmaz-Tuzun, O. (2016, September). *Fen bilgisi öğretmen adaylarının epistemolojik dünya görüşleri ve değer yönelimleri* [Paper presentation]. 12th National Science and Mathematics Education Congress, Trabzon, Turkey.
22. Yılmaz-Tuzun, O., Cakir, B., & **Ozturk, N.** (2015, June). *STEM Integration into a Laboratory Course: A Case Study* [Poster presentation]. ISER 2015 World Conference of Education, Istanbul, Turkey.
23. **Ozturk, N.**, & Yılmaz-Tuzun, O. (2015, April). *Relationships among pre-service science teachers' epistemological beliefs and epistemological world views* [Paper presentation]. II. IOSTE Eurasian Regional Symposium & Brokerage Event Horizon 2020, Istanbul, Turkey.
24. **Ozturk, N.**, & Yılmaz-Tuzun, O. (2013, April). *Pre-service science teachers' informal reasoning in the context of nuclear power plant construction* [Paper presentation]. NARST Annual Conference, Puerto Rico, USA.
25. **Ozturk, N.**, & Yılmaz-Tuzun, O. (2012, September). *Investigating gender differences regarding informal reasoning on socioscientific issues, epistemological beliefs and metacognition* [Paper presentation]. Applied Education Congress, Ankara, Turkey.
26. **Ozturk, N.**, Elmas, R., & Savas, M. (2011, April). *Private school elementary science teachers' reflections on new science and technology curriculum* [Paper presentation]. 2nd International Conference on New Trends in Education and Their Implications (ICONTE), Antalya, Turkey.
27. Savas, M., **Ozturk, N.**, & Yılmaz-Tuzun, O. (2010, Eylül). *Fen bilgisi öğretmen adaylarının fen eğitiminde teknoloji kullanımı ile ilgili görüşleri ile ilişkili olan faktörlerin belirlenmesi* [Paper presentation]. 9th National Science and Mathematics Education Congress, İzmir, Turkey.
28. Savas, M., **Ozturk, N.**, & Yılmaz-Tuzun, O. (2010, Eylül). *Fen bilgisi öğretmen adaylarının teknolojik pedagojik alan bilgisinin incelenmesi* [Paper presentation]. 9th National Science and Mathematics Education Congress, İzmir, Turkey.

### Grants and Scholarships

#### Grants

1. **Ozturk, N.** (PI, 2023-2026). Preparation and evaluation of experiments suitable for effective preservice teacher training in STEM disciplines (STExperiMents Project) in the amount of 250000 Euros from The European Union in collaboration with Czechia, Austria, and Finland (Erasmus plus KA-220).
2. **Ozturk, N.** (PI, 2023-2025). Sosyobilimsel konu temelli öğretim yaklaşımı ile iklim değişikliği öğretim modülü tasarlanması ve uygulanması [Development and Implementation of A Climate Change Education Module: Socioscientific Issues based Teaching Approach], in the amount of 600.000 TL (~\$32.000) from The Scientific and Technological Research Council of Turkey (TUBITAK).
3. **Ozturk, N.** (Investigator, 2023-2024). Fen bilimleri öğretmen adaylarının global ve yerel sosyobilimsel konular bağlamında mühendislik tasarım ve informal muhakeme becerilerinin geliştirilmesi. GAZI-BAP-8976
4. **Ozturk, N.** (Trainer, 2023). Çevreci Matematikçiler (ÇEVMAT) Projesi. TUBITAK 2237-A Bilimsel Eğitim Etkinlikleri Desteği Programı - 1129B372300363.
5. **Ozturk, N.** (PI, 2017-2018). Examining preservice science teachers' knowledge and risk-benefit perceptions regarding GM foods. Kirsehir Ahi Evran University BAP-EGT.A4.17.021

6. **Ozturk, N.** (PI, 2017-2018). A validity and reliability analysis of “Character and Values as Global Citizens Assessment Questionnaire”. Kirsehir Ahi Evran University BAP-EGT.A4.17.022
7. **Ozturk, N.** (Investigator, 2016-2017). Developing preservice science teachers’ SSI teaching self-efficacy beliefs and character and values for global citizenship. METU BAP-05-06-2016-011
8. **Ozturk, N.** (Investigator, 2014-2015). An investigation into preservice science teachers’ perceptions about teaching through science-technology-engineering-mathematics (STEM) approach and socioscientific issues. METU BAP-05-06-2015-002
9. **Ozturk, N.** (Investigator, 2013-2014). ÖYP üniversiteleri eğitim fakülteleri ile çevre okuryazarlığı işbirliği [A collaboration with education faculties of OYP universities for climate literacy]. METU BAP-05-06-2013-001
10. **Ozturk, N.** (Investigator, 2012-2013). Developing awareness regarding the impacts of and mitigation for climate change. Turkish Ministry of Environment and Urban Planning.

### **Scholarships**

1. The Scientific and Technological Research Council of Turkey (TUBITAK) – 2021 2219 Postdoctoral Scholarship
2. The Scientific and Technological Research Council of Turkey (TUBITAK) – 2015 2214-A Research Scholarship for Doctoral Students
3. National Association for Research in Science Teaching (NARST) – 2013 International Committee Scholarship
4. European Science Education Research Association (ESERA) – 2011 Travel Award

### **Academic Service**

#### **Academic Service: Administration**

1. **Ozturk, N.** (2017-2021). Department Erasmus Coordinator. Kirsehir Ahi Evran University.
2. **Ozturk, N.** (2018-2021). Member of the Quality Assurance Committee. Kirsehir Ahi Evran University.
3. **Ozturk, N.** (2020-2021). Member of the Accreditation Committee. Kirsehir Ahi Evran University.

#### **Academic Service: Serving on Committees**

- NARST Awards Committee Member (2022-2025)
- NARST Research Committee Volunteer (2021-2022)

### **Teaching Activities**

#### **Teaching Activities: Courses offered at Bahcesehir University**

1. 2024 Spring: Teaching Science in Early Childhood, Environmental Education in Early Childhood, Eğitimde Özel Konular
2. 2024 Fall: Critical and Analytical Thinking, Project Preparation in Education, Tezsiz Yuksek Lisans Proje Dersi
3. 2023 Spring: Teaching Science in Early Childhood, Environmental Education in Early Childhood, Eğitimde Özel Konular, Tezsiz Yuksek Lisans Proje Dersi
4. 2022 Fall: Critical and Analytical Thinking, Project Preparation in Education

#### **Teaching Activities: Courses offered at Kirsehir Ahi Evran University**

1. 2021 Spring: Science Teaching Methods-I, Using Science Fiction in Education, Community Service, Textbook Analysis
2. 2020 Fall: Statistics, School Experience, Science Teaching Methods-II, Seminar
3. 2020 Spring: Using Science Fiction in Education, Teaching Experience, Community Service

4. 2019 Fall: Statistics, School Experience, Environmental Education, Textbook Analysis
5. 2019 Spring: Science Teaching Methods-I, Environmental Education, Teaching Experience, Using Science Fiction in Education, Community Service, Seminar
6. 2018 Fall: Statistics, School Experience, Environmental Education, Science Teacher Professional Development, Seminar
7. 2018 Spring: Teaching science in informal settings, Environmental Awareness, Community Service, Using Science Fiction in Education

**Teaching Activities:** Courses assisted at Middle East Technical University

(2009 Fall – 2017 Spring)

1. Probability and Statistics
2. Laboratory Applications in Science I and II
3. Advanced Educational Research
4. Environmental Sciences
5. Education and Awareness for Sustainability
6. Instructional Principles and Methods
7. School Experience
8. Community Service

**Services for Teacher Community and Outreach Activities**

- **Ozturk, N.** (2023, February). Workshop Opening Speech. Invited Presentation at Ugur Okullari STEM Calistayi [Ugur Okullari STEM Workshop], Online.
- **Ozturk, N.** (2023, January). Young STEM Program. Invited Presentation at Istanbul Ogretmen Akademileri [Istanbul Teacher Academies], Online.
- **Ozturk, N.** (Coordinator, 2022-2023 Academic Year). Young STEM program with preservice teachers from Bahcesehir University & Bogazici University.
- **Ozturk, N.** (Coordinator, March-June 2023). BAU radio program with STEM teachers and researchers.
- **Ozturk, N.** (2021, October). *Integrated STEM education in the context of socioscientific issues*. Two contact hours of professional development at Owatonna Middle School, MN, USA.
- **Ozturk, N.** (2021, November 3). *Integrated STEM education in the context of socioscientific issues*. Two contact hours of professional development at Owatonna Middle School, MN, USA.
- **Ozturk, N.** (2021, November 22). *Integrated STEM education in the context of socioscientific issues*. Two contact hours of professional development at Owatonna Middle School, MN, USA.
- **Ozturk, N.** (2019, June). *Fen eğitiminde sosyobilimsel konular* [Socioscientific issues in science education]. Two-day workshop at Kirsehir İl Millî Eğitim Müdürlüğü, Kirsehir, Turkey.
- **Ozturk, N.** (2018, June). *Fen eğitiminde sosyobilimsel konular* [Socioscientific issues in science education]. Two-day workshop at Kirsehir İl Millî Eğitim Müdürlüğü, Kirsehir, Turkey.

**Graduate Students**

**Graduate Students:** Supervisor

1. Kubra Yolacti Kizilkaya (MS in Science Education, Kirsehir Ahi Evran University) – 2021. *Fen bilimleri öğretmen adaylarının informal muhakeme biçimleri ve sosyobilimsel muhakeme yeterlikleri* [Preservice science teachers' informal reasoning modes and socioscientific reasoning competencies]
2. Sabiha Elvan Guler (MS in Educational Design and Evaluation, Bahcesehir University) – 2024. *Analysis of in-service teachers' lesson plans: Results from a long-term integrated STEM*

*professional development program.*