

## Prof. ELVAN ŞAHİN

### Personal Information

**Office Phone:** [+90 210 408 9](tel:+902104089)

**Email:** selvan@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/selvan>

### International Researcher IDs

ScholarID: QqoltXMAAAAJ

ORCID: 0000-0003-1881-7150

Publons / Web Of Science ResearcherID: ABA-3411-2020

ScopusID: 35070168400

Yoksis Researcher ID: 165322

### Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Ortaöğretim Fen Ve Matematik Alanları Eğitimi (Dr), Turkey 2005 - 2008

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Ortaöğretim Fen Ve Matematik Alanları Eğitimi (Yl) (Tezli), Turkey 2002 - 2005

Undergraduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1997 - 2002

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, An examination of indications for a green curriculum application towards sustainability, Middle East Technical University, Graduate School of Natural and Applied Sciences, Ortaöğretim Fen Ve Matematik Alanları Eğitimi (Dr), 2008

Postgraduate, A study on students' environmental knowledge and attitudes: The effect of grade level and gender, Middle East Technical University, Graduate School of Natural and Applied Sciences, Ortaöğretim Fen Ve Matematik Alanları Eğitimi (Yl) (Tezli), 2005

### Research Areas

Social Sciences and Humanities, Education, Elementary School Education, Teacher Training in Natural Sciences

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2022 - Continues  
Associate Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2016 - 2022

Assistant Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2010 - 2016

## Academic and Administrative Experience

Head of Department, Middle East Technical University, Graduate School of Social Sciences, İlköğretim Fen Ve Matematik Eğitimi Anabilim Dalı, 2017 - 2021

## Courses

Methods of Teaching Current Issues on Sustainable Development, Undergraduate, 2018 - 2019

SKILLS ON ENVIRONMENTAL ISSUE INVESTIGATION, Postgraduate, 2018 - 2019

## Supervised Theses

ŞAHİN E., Analysis of middle school students' visions of nature, Postgraduate, G.SENA(Student), 2022

ŞAHİN E., A case study on middle school students' visions of nature, Postgraduate, C.BAŞER(Student), 2021

ŞAHİN E., TEKSÖZ G., Exploring middle school students' systems literacy within the context of water system, Doctorate, S.DEMİRCİ(Student), 2021

Şahin E., Öztekin C., An Investigation About Sense Of Inclusion Of Nature And Environmental Motive Concern For Middle School Students: A Case Of Refugees And Native Students, Postgraduate, A.Bülül(Student), 2020

Öztekin C., Şahin E., Experienced science teachers' subject matter knowledge and pedagogical content knowledge regarding biogeochemical cycles in the context of education for sustainable development, Doctorate, B.YILMAZ(Student), 2019

ŞAHİN E., Predictors of middle school students' energy conservation behaviors : indications from value-belief-norm theory, Postgraduate, D.Öztürk(Student), 2019

ŞAHİN E., A Case study on pre-service science teachers' dynamic mental constructs on the concepts regarding the phases of the earth's moon, Doctorate, A.Sağdıç(Student), 2019

ŞAHİN E., A Study on Turkish middle school students' nature relatedness, attitudes and behaviors toward the environment, Postgraduate, M.Özdemir(Student), 2019

ŞAHİN E., Assessing teacher education students' behaviors and internal locus of control pertinent to sustainable diets, Postgraduate, A.DOĞRUBAK(Student), 2017

ŞAHİN E., A study on Turkish elementary school students' nature relatedness, environmentally responsible behaviors and motive concerns, Postgraduate, F.BAHAR(Student), 2015

ŞAHİN E., A Study on turkish elementary school students' nature relatedness, environmentally responsible behaviors and motive concerns, Postgraduate, F.Bahar(Student), 2015

ŞAHİN E., Investigating private elementary school students' attitudes toward online homework in science lesson in terms of experience, usefulness and thought, Postgraduate, N.MUMAY(Student), 2015

ÖZTEKİN C., ŞAHİN E., Modelling pre-service science teachers' environmentally friendly behaviours in relation to psychological and cognitive variables, Doctorate, U.ALPER(Student), 2014

ŞAHİN E., Development and validation of human population growth scale in the context of sustainability, Postgraduate, S.DEMİRCİ(Student), 2014

ŞAHİN E., A closer look into Turkish elementary teachers regarding education for sustainable development, Postgraduate, A.SAĞDIÇ(Student), 2013

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Do Teenagers Believe in Anthropogenic Climate Change and Take Action to Tackle It?**  
Seker S., ŞAHİN E., HACIEMİNOĞLU E., Demirci S.  
SUSTAINABILITY, vol.16, no.16, 2024 (SCI-Expanded)
- II. **Systems literacy: towards a conspectus and model for environmental and sustainability education**  
Demirci S., Reid A., Teksöz G., Şahin E.  
Environmental Education Research, 2024 (SSCI)
- III. **Modelling pre-service science teachers' pro-environmental behaviours in relation to psychological and cognitive variables**  
Şahin E., Alper U., Öztekin C.  
ENVIRONMENTAL EDUCATION RESEARCH, vol.27, no.1, pp.1-21, 2021 (SSCI)
- IV. **Gender perspective on the factors predicting recycling behavior: Implications from the theory of planned behavior**  
Öztekin C., Teksöz G., Pamuk S., Şahin E., Kilic D. S.  
WASTE MANAGEMENT, vol.62, pp.290-302, 2017 (SCI-Expanded)
- V. **The Development of Belief Scale about Using Origami in Mathematics Education**  
Arslan O., Isıksal Bostan M., Şahin E.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.28, pp.44-57, 2013 (SSCI)
- VI. **Modeling Environmental Literacy of University Students**  
TEKSÖZ G., ŞAHİN E., ÖZTEKİN C.  
JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY, vol.21, no.1, pp.157-166, 2012 (SCI-Expanded)
- VII. **An investigation on value orientations, attitudes and concern towards the environment: the case of Turkish elementary school students**  
Onur A., Şahin E., Tekkaya C.  
ENVIRONMENTAL EDUCATION RESEARCH, vol.18, pp.271-297, 2012 (SSCI)
- VIII. **ENVIRONMENTAL LITERACY, PRE-SERVICE TEACHERS, AND A SUSTAINABLE FUTURE**  
TEKSÖZ G., ŞAHİN E., Ertepinar H.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.39, pp.307-320, 2010 (SSCI)
- IX. **IN-SERVICE ELEMENTARY SCHOOL TEACHERS' BELIEFS IN SCIENCE TEACHING PRACTICES**  
Şahin E., Işıksal Bostan M., Ertepinar H.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, pp.296-306, 2010 (SSCI)
- X. **IMPLICATIONS FOR A GREEN CURRICULUM APPLICATION TOWARD SUSTAINABLE DEVELOPMENT**  
Sahin E., Ertepinar H., Teksoz G.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.37, pp.123-135, 2009 (SSCI)
- XI. **A survey on Turkish elementary school students' environmental friendly behaviours and associated variables**  
Alp E., Ertepinar H., Tekkaya C., YILMAZ A.  
ENVIRONMENTAL EDUCATION RESEARCH, vol.14, no.2, pp.129-143, 2008 (SSCI)
- XII. **Students' understanding of matter: The effect of reasoning ability and grade level**  
YILMAZ A., Alp E.  
Chemistry Education Research and Practice, vol.7, no.1, pp.22-31, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Preschool Children's Perceptions of Healthy and Unhealthy Foods**  
Alaçam N., Şahin E.

Başkent University Journal of Education, vol.12, no.1, pp.33-42, 2025 (Peer-Reviewed Journal)

- II. **Examination of Dynamic Mental Constructs and their Change Regarding Phases of the Moon**  
Sağdıç A., Şahin E.  
Journal of Science Learning, vol.6, no.2, pp.181-193, 2023 (Peer-Reviewed Journal)
- III. **The Role of Microteaching on Pre-Service Primary School Science Teachers' Conceptual Understandings Regarding Phases of the Moon**  
SAĞDIÇ A., ŞAHİN E.  
JOURNAL OF EDUCATION IN SCIENCE, ENVIRONMENT AND HEALTH, vol.9, no.1, pp.29-43, 2023 (Peer-Reviewed Journal)
- IV. **Pre-Service Teachers' Beliefs on Human Population Growth in the Context of Education for Sustainable Development: Development and Validation of an Instrument**  
Demirci S., ŞAHİN E., TEKSÖZ G., Marcinkowski T. J.  
Journal of Teacher Education for Sustainability, vol.23, no.2, pp.121-142, 2021 (Scopus)
- V. **An associational study on pre-service early childhood teachers' nature relatedness in education for sustainability**  
ŞAHİN E., Alici S.  
INTERNATIONAL RESEARCH IN GEOGRAPHICAL AND ENVIRONMENTAL EDUCATION, vol.28, no.4, pp.343-357, 2019 (ESCI)
- VI. **Pre-service Science Teachers' Discrimination Level of Science and Pseudoscience**  
Şahin E., Uçar M. B.  
Science Education International, vol.29, no.4, pp.267-273, 2018 (Peer-Reviewed Journal)
- VII. **Getting Started for Preparing Pre-Service Early Childhood Teachers in Terms of Sustainable Food Consumption: The Current Situation at a Public University in Turkey**  
ALAÇAM N., ŞAHİN E.  
College Student Journal, vol.51, no.2, pp.238-248, 2017 (Peer-Reviewed Journal)
- VIII. **An Associational Research on Turkish Children's Environmentally Responsible Behaviors, Nature Relatedness, and Motive Concerns**  
Bahar F., Şahin E.  
Science Education International, vol.28, no.2, pp.111-118, 2017 (Peer-Reviewed Journal)
- IX. **Turkish pre-service science teachers' awareness, beliefs, values, and behaviours pertinent to climate change**  
Hiçde E., Öztekin C., Şahin E.  
INTERNATIONAL RESEARCH IN GEOGRAPHICAL AND ENVIRONMENTAL EDUCATION, vol.26, pp.253-263, 2017 (ESCI)
- X. **Does Outdoor Education make any difference in environmental literacy of pre service classroom teachers**  
DERMAN A., ŞAHİN E., HACIEMİNOĞLU E.  
International Journal of Environmental & Science Education, vol.11, no.15, pp.8491-8506, 2016 (Peer-Reviewed Journal)
- XI. **Lise ve Üniversite Öğrencilerinin Atomun Yapısı ile İlgili Zihinsel Modellerine Genel Bir Bakış**  
DEMİRCİ S., YILMAZ A., ŞAHİN E.  
Türkiye Kimya Derneği Dergisi, Kısım C: Kimya Eğitimi, 2016 (Peer-Reviewed Journal)
- XII. **An assessment of Turkish elementary teachers in the context of education for sustainable development**  
SAĞDIÇ A., ŞAHİN E.  
International Electronic Journal of Environmental Education, vol.6, no.2, pp.141-155, 2016 (Scopus)
- XIII. **Household Energy Conservation from Elementary Science Teacher Candidates Perspective**  
ŞAHİN E.  
College Student Journal, vol.50, no.2, pp.302-313, 2016 (Peer-Reviewed Journal)
- XIV. **Message in a bottle: what shapes university students' understanding of sustainability?**  
TEKSÖZ G., ŞAHİN E.

INTERNATIONAL RESEARCH IN GEOGRAPHICAL AND ENVIRONMENTAL EDUCATION, vol.25, no.4, pp.294-308, 2016 (ESCI)

- XV. **Doğaya Bağlılık Ölçeğinin Türkçe ye Adaptasyonu**  
ÇAKIR B., KARAARSLAN G., ŞAHİN E., ERTEPINAR H.  
İlköğretim Online, vol.14, no.4, pp.1370-1383, 2015 (Peer-Reviewed Journal)
- XVI. **Teacher Beliefs toward Using Alternative Teaching Approaches in Science and Mathematics Classes Related to Experience in Teaching**  
Isıksal Bostan M., Şahin E., Ertepinar H.  
International Journal of Environmental Science Education, vol.10, pp.603-621, 2015 (Peer-Reviewed Journal)
- XVII. **Adaptation of nature relatedness scale to Turkish Doğayla ilişki ölçeğinin Türkçe'ye adaptasyonu**  
Çakır B., Karaarslan G., ŞAHİN E., Ertepinar H.  
Elementary Education Online, vol.14, no.4, pp.1370-1383, 2015 (Scopus)
- XVIII. **Sürdürülebilir Kalkınma Eğitime yönelik İnançlar Ölçek Geliştirme Çalışması**  
SAĞDIÇ A., ŞAHİN E.  
Ahi Evran Üniversitesi Kırşehir Eğitim Fakültesi Dergisi, 2015 (Peer-Reviewed Journal)
- XIX. **Predictors of turkish elementary teacher candidates' energy conservation behaviors: An approach on value-belief-norm theory**  
ŞAHİN E.  
International Journal of Environmental and Science Education, vol.8, no.2, pp.269-283, 2013 (Scopus)
- XX. **University students behavior s pertaining to sustainability A structural equation model with sustainability related attributes**  
ŞAHİN E., ERTEPINAR H., TEKSÖZ G.  
International Journal of Environmental and Science Education, vol.7, no.3, pp.459-478, 2012 (Scopus)
- XXI. **A STUDY ON TEACHER CANDIDATES RECYCLING BEHAVIORS A MODEL APPROACH WITH THE THEORY OF PLANNED BEHAVIOR**  
ÖZTEKİN C., Kılıç D., ŞAHİN E.  
Western Anatolia Journal of Educational Science, 2011 (Peer-Reviewed Journal)
- XXII. **A new vision for chemistry education students Environmental education**  
ŞAHİN E., ERTEPINAR H., TEKSÖZ G.  
International Journal of Environmental & Science Education, vol.5, no.2, pp.131-149, 2010 (Peer-Reviewed Journal)
- XXIII. **An old subject with recent evidence from Turkey Students performance on algorithmic and conceptual questions of chemistry**  
YILMAZ A., TEKSÖZ G., ŞAHİN E.  
World Applied Sciences Journal, vol.2, no.4, pp.420-426, 2007 (Peer-Reviewed Journal)
- XXIV. **A Statistical analysis of Children s Environmental Knowledge and Attitudes in Turkey**  
Şahin E., Ertepinar H., Öztekin C., Yilmaz A.  
INTERNATIONAL RESEARCH IN GEOGRAPHICAL AND ENVIRONMENTAL EDUCATION, vol.15, pp.210-223, 2006 (Scopus)

## Books

- I. **Building Primary Schools as a Model of Sustainable Communities: Hints for Teachers**  
ŞAHİN E.  
in: Education for Sustainable Development in Primary and Secondary Schools, , Editor, Springer, pp.167-177, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigating Middle School Students' Visions of Nature: A Survey Research**

Varhođlu G. S., ŐAHİN E., BAŐER KANBAK C.

ESERA 2023 - 15th Biennial Conference of the European Science Education Research Association,  
Nevőehir/Cappadocia, Turkey, 28 August 2023

- II. **Perceptions of Middle School Students on Humans' Relationship with Nature**  
Baőer Kanbak C., Őahin E.  
51st Annual North American Association for Environmental Education, Arizona, United States Of America, 12 - 14 October 2022
- III. **Redefining Urbanization: In the Views of University Students**  
Demirci S., Őahin E., Teksöz G.  
The 5th International Symposium on the Environment and Morals, İstanbul, Turkey, 24 - 25 September 2020, pp.146-152
- IV. **Ortaokul Öğrencilerinin Yer Altı Suları Hakkındaki Kavramsal Anlamaları**  
Işık H., Uzunçakır İ., Öztekin C., Őahin E.  
6. Ulusal Kimya Eğitimi Kongresi, Ankara, Turkey, 2 - 04 May 2019, pp.111-112
- V. **A Review on Assessment of Technological Pedagogical Content Knowledge for Pre-Service Science Teachers**  
Őahin E., Uçar M. B.  
27th International Congress on Educational Sciences (ICES/UEBK-2018), Antalya, Turkey, 18 - 22 April 2018, pp.2099-2108
- VI. **Nationwide Study On Science Teacher Candidates' Knowledge Of Environmental Issues**  
Alper U., Őahin E., Öztekin C.  
27th International Conference on Educational Sciences , Antalya, Turkey, 18 - 22 April 2018, pp.1659-1664
- VII. **Preservice Science Teachers Discrimination Level of Science and Pseudoscience**  
UÇAR M. B., ŐAHİN E.  
10th World Conference on Educational Sciences (WCES-2018), Prag, Czech Republic, 1 - 03 February 2018, pp.15
- VIII. **Revisiting Pre-Service Science and Mathematics Teachers' Beliefs Toward Using InquiryBasedand Technology-Enhanced Teaching Approaches in Turkey**  
ŐAHİN E., Işıksal Bostan M., AYTEKİN E., SAĐDIÇ A.  
ICQH 2017 INTERNATIONAL CONFERENCE ON QUALITY IN HIGHER EDUCATION, Sakarya, Turkey, 7 - 08 December 2017
- IX. **Lifestory of a slice of bread from cradle to grave: Competence of early childhood teacher candidates**  
ŐAHİN E., ALAÇAM N.  
International Congress of Health and Environment, 23 - 25 October 2017
- X. **Scepticism and Disinterest in Climate Change: A Perspective from Turkish Middle School Students at a Rural Area**  
Őeker S., ŐAHİN E., HACIEMİNOĐLU E.  
International Congress of Health and Environment, 23 - 25 October 2017
- XI. **What do early childhood children already know about healthy and unhealthy foods? A Preliminary Study**  
ALAÇAM N., ŐAHİN E.  
5th International Early Childhood Education Congress, 18 - 21 October 2017
- XII. **A Case Study of Teacher Knowledge Regarding Phases of the Moon**  
SAĐDIÇ A., ŐAHİN E.  
ECER 2017, 21 - 22 August 2017
- XIII. **To What Extent are Turkish Early Childhood Pre-service Teachers Connected to Nature?**  
ŐAHİN E., SAĐDIÇ A.  
ECER 2017, 21 - 22 August 2017
- XIV. **Turkish middle school students level of attitude on the vital threat of their future: climate change**  
güngören s., TEKSÖZ G., ŐAHİN E.  
IX. International Congress of Educational Research, 11 - 14 May 2017
- XV. **Awareness about sustainability in the context of nutrition in early childhood**

- ALAÇAM N., ŞAHİN E.  
IX. International Congress of Educational Research, 11 - 14 May 2017
- XVI. **Gaining Insights Into Pre-service Early Childhood Teachers Perceptions Of Sustainable Eating Patterns**  
ŞAHİN E., TEKSÖZ G.  
26th International Conference on Educational Sciences, 20 - 23 April 2017
- XVII. **Real Stories As Stimulus Activities For Education For Sustainable Development**  
TEKSÖZ G., ŞAHİN E.  
26th International Conference on Educational Sciences, 20 - 23 April 2017
- XVIII. **Predicting Children s Responsible Environmental Behaviors**  
Bahar F., ŞAHİN E.  
5th World Conference on Science and Technology Education, 1 - 05 November 2016
- XIX. **Assessing Teacher Candidates Opinions on Sustainable Food Consumption in the context of Educationfor Sustainable Development**  
Doğrubak A., ŞAHİN E.  
5th World Conference on Science and Technology Education, 1 - 05 November 2016
- XX. **Sürdürülebilir Kalkınma İçin Eğitim Tarihçe VeGündem**  
TEKSÖZ G., ŞAHİN E.  
12. UFBMEK, Turkey, 28 - 30 September 2016
- XXI. **Sürdürülebilir Kalkınma için Eğitim Tarihçe ve Gündem**  
TEKSÖZ G., ŞAHİN E.  
12. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Trabzon, Turkey, 21 - 24 September 2016, pp.289
- XXII. **Gelecek için Sürdürülebilir Beslenme**  
ŞAHİN E., TEKSÖZ G.  
12. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Trabzon, Turkey, 21 - 24 September 2016, pp.101
- XXIII. **An Investigation on Turkish Teacher Educators Mental Models regarding Sustainable Development**  
ŞAHİN E.  
International Conference on the Future of Education, 30 June - 01 July 2016
- XXIV. **A Matter of Education for Sustainable Development Public Opinion about Nuclear Wastes**  
ALICI Ş., ŞAHİN E.  
International EJER Congress 2016, 31 May - 03 June 2016
- XXV. **AN ANALYSIS OF TURKISH MIDDLE SCHOOL SCIENCE EDUCATION PROGRAM PLACING CLIMATE CHANGE ISSUES IN THECONTEXT OF EDUCATION FOR SUSTAINABLE DEVELOPMENT**  
DEMİRCİ S., ŞAHİN E.  
14th INTERNATIONAL JTEFS/BBCC CONFERENCE, 12 - 14 May 2016
- XXVI. **PROFILE OF TURKISH PRE SERVICE SCIENCE TEACHERS IN TERMS OF ECOCENTRISM AND ANTHOPOCENTRISM**  
alper u., ÖZTEKİN C., ŞAHİN E.  
14th INTERNATIONAL JTEFS/BBCC CONFERENCE, 12 - 14 May 2016
- XXVII. **Preparing an Instruction with respect to key dimensions of ESD Practical examples**  
ŞAHİN E.  
14th INTERNATIONAL JTEFS/BBCC CONFERENCE, Konya, Turkey, 12 - 14 May 2016
- XXVIII. **The Nature of Science Teachers Pedagogical content Knowledge in The Context of Education for Sustainable Development A Pilot Study**  
Yılmaz Yendi B., Öztekin C., Şahin E.  
The European Conference on Educational Research, Maryland, United States Of America, 7 - 11 September 2015
- XXIX. **Is the Carrying Capacity Exceeded PreserviceTeachers Beliefs on Human Population Growth**  
DEMİRCİ S., ŞAHİN E., TEKSÖZ G.  
NAAEE 44th Annual Conference, SANFRANSİSCO, 15 - 18 October 2015
- XXX. **Sustainability is what my mom says**  
TEKSÖZ G., ŞAHİN E.

- International Conference on Knowledge and Politics in Gender and Woman Studies, Turkey, 9 - 11 October 2015
- XXXI. **Lise ve Üniversite Öğrencilerinin Atomun Yapısı İle İlgili Zihinsel Modellerine Genel Bir Bakış**  
YILMAZ A., ŞAHİN E., DEMİRCİ S.  
IV. Ulusal Kimya Eğitimi Kongresi, Balıkesir, Turkey, 7 - 10 September 2015
- XXXII. **Aydın Evreleri Konusunun Öğretimi Model Kullanımına yönelik Durum İncelemesi**  
SAĞDIÇ A., ŞAHİN E.  
Ulusal Fizik Eğitimi Kongresi, Turkey, 10 - 12 September 2015
- XXXIII. **Investigating Private Elementary School Students Attitudes toward Online Homework in Science Lesson**  
SAĞDIÇ A., ŞAHİN E., Mumay N.  
The European Conference on Educational Research, Hungary, 7 - 11 September 2015
- XXXIV. **Turkish middle school students level of knowledge on the vital threat of their future climate change**  
SAVAS G., TEKSÖZ G., ŞAHİN E.  
ESERA 2015, Helsinki, Finland, 31 August - 04 September 2015
- XXXV. **Elementary School Students Mental Models Regarding Atomic Models**  
DEMİRCİ S., ŞAHİN E., YILMAZ A.  
ESERA Conference, 31 August - 04 September 2015
- XXXVI. **An Exploration of University Students Beliefs on the Sustainable Growth of Human Population**  
DEMİRCİ S., ŞAHİN E., TEKSÖZ G.  
8th World Environmental Education Congress, 29 June - 02 July 2015
- XXXVII. **Sustainability from a Perspective of Turkish Decision Makers of the Future**  
ŞAHİN E.  
II. IOSTE Eurasian Regional Symposium, 24 - 26 April 2015
- XXXVIII. **A Review of Elementary Students Conceptual Understandings of Atom**  
ŞAHİN E., YILMAZ A., DEMİRCİ S.  
II. IOSTE Eurasian Regional Symposium, 24 - 26 April 2015
- XXXIX. **Light Green Actions versus Dark Green Actions**  
ALPER U., ÖZTEKİN C., ŞAHİN E.  
The International Organization for Science and Technology Education Eurasian Regional Symposium, 24 - 26 April 2015, pp.82
- XL. **What does a Survey Study on Beliefs towards Human Population Growth Imply for Teacher Education**  
DEMİRCİ S., ŞAHİN E., TEKSÖZ G.  
EJER Congress 2014, İstanbul, Turkey, 24 - 26 April 2014, pp.1094-1095
- XLI. **Determining Pre service Teachers Beliefs towards Human Population Growth**  
ŞAHİN E., TEKSÖZ G., DEMİRCİ S.  
42nd Annual NAAEE Conference, Baltimore, United States Of America, 9 - 12 October 2013
- XLII. **PRE-SERVICE TEACHERS' ATTITUDES AND BEHAVIORS: GRADE LEVEL AND GENDER DIFFERENCES**  
ŞAHİN E., ERTEPINAR H., TEKSÖZ G.  
3rd International Conference on Education and New Learning Technologies (EDULEARN), Barcelona, Spain, 4 - 06 July 2011, pp.4814
- XLIII. **ENGINEERING STUDENTS' UNDERSTANDINGS AND ATTITUDES PERTAINING TO SUSTAINABILITY**  
ŞAHİN E., ERTEPINAR H., TEKSÖZ G.  
3rd International Conference on Education and New Learning Technologies (EDULEARN), Barcelona, Spain, 4 - 06 July 2011, pp.4195-4201
- XLIV. **İlköğretim öğrencilerinin çevreye yönelik tutum ve bilgileri üzerine bir çalışma**  
ŞAHİN E., ERTEPINAR H., ÖZTEKİN C., YILMAZ A.  
VII. Ulusal Fen Bilimleri ve Matematik Eğ. Kongresi, Turkey, 18 - 20 September 2006

## Expert Reports

- I. **Geography teachers and climate change Emotions about consequences and views on mitigation**  
ŞAHİN E.  
2015
- II. **Pro environmental attitudes and pro animal attitudes are associated a study based on the 2 MEV model of preservation and utilization**  
ŞAHİN E.  
2015

## Supported Projects

- ŞAHİN E., İŞIKSAL BOSTAN M., SAĞDIÇ A., AYTEKİN E., Project Supported by Higher Education Institutions, Ortaokul Öğretmen Adaylarının Fen ve Matematik Derslerinde Alternatif Öğretim Yaklaşımlarının Kullanımına İlişkin İnançlarının İncelenmesi, 2017 - Continues
- TEKSÖZ G., ELAGÖZ R. Y., BAŞER C., ŞAHİN E., Project Supported by Higher Education Institutions, SIFIR ATIK İÇİN BİR ADIM:ODTÜ KAMPÜSÜNDE GERİ DÖNÜŞÜM DAVRANIŞI MODELLERİ, 2021 - 2022
- ŞAHİN E., DOĞRUBAK A., Project Supported by Higher Education Institutions, Okul Öncesi ve Ortaokul Öğretmen Adaylarının Sürdürülebilir Beslenme Düzenine İlişkin İnanç ve Davranışlarının İncelenmesi, 2017 - 2017
- ŞAHİN E., ALAÇAM N., TEKSÖZ G., Project Supported by Higher Education Institutions, Sürdürülebilir Gıda Tüketimi için Okul Öncesi Öğretmen Adaylarına bir Bakış, 2016 - 2016
- TEKSÖZ G., ŞAHİN E., Project Supported by Higher Education Institutions, KURGULANMIŞ GERÇEK ÖYKÜLERLE SÜRDÜRÜLEBİLİR KALKINMA İÇİN EĞİTİM - MATERYAL GELİŞTİRME VE PİLOT UYGULAMA -, 2016 - 2016
- ŞAHİN E., YILMAZ A., DEMİRCİ S., Project Supported by Higher Education Institutions, Fen Bilgisi Öğretmenlerinin Bilim Tarihi ve Bilim Felsefesi Açısından Atom Modelleri Konusunu Öğretimi, 2015 - 2015
- TEKSÖZ G., ŞAHİN E., Güngören S., Project Supported by Higher Education Institutions, İLKÖĞRETİM ÖĞRENCİLERİ İÇİN İKLİM DEĞİŞİKLİĞİ BİLGİ VE TUTUM TESTİ GELİŞTİRME, 2015 - 2015
- ŞAHİN E., Bahar F., Project Supported by Higher Education Institutions, İlköğretim Öğrencilerinin Doğaya Bağlılıkları üzerine bir Çalışma, 2014 - 2014
- TEKSÖZ G., Güngören S., ŞAHİN E., Project Supported by Higher Education Institutions, İlköğretim Öğrencileri için İklim Değişikliği Bilgi ve Tutum Ölçeği Çalışması, 2013 - 2013
- ŞAHİN E., DEMİRCİ S., TEKSÖZ G., Project Supported by Higher Education Institutions, Üniversite Öğrencilerinin Nüfus Artışına Yönelik İnançları, 2013 - 2013
- TEKSÖZ G., ALICI Ş., YILMAZ YENDİ B., İLER C., CENGİZOĞLU S., ŞAHİN E., Project Supported by Higher Education Institutions, ÖYP Üniversiteleri Eğitim Fakülteleri ile Çevre Okuryazarlığı İşbirliği, 2013 - 2013
- ŞAHİN E., Project Supported by Higher Education Institutions, İlköğretim Öğretmenlerinin Sürdürülebilir Kalkınma Açısından İnanç Ve Değerlerinin Araştırılması, 2012 - 2012
- ŞAHİN E., Project Supported by Higher Education Institutions, Diğer Norm İnanç Teorisi Çerçevesinde İlköğretim Öğretmen Adaylarının Enerji Tasarrufu Davranışlarının Açıklanması, 2012 - 2012

## Activities in Scientific Journals

e-Kafkas Eğitim Araştırmaları Dergisi , Committee Member, 2019 - Continues

## Metrics

Publication: 85

Citation (WoS): 311

Citation (Scopus): 487

H-Index (WoS): 8

H-Index (Scopus): 9

## **Non Academic Experience**

METU, Assistant Professor

METU, Instructor/Reader

METU, Assistant