

Assoc. Prof. DUYGU SÖNMEZ

Personal Information

Office Phone: [+90 312 297 8626](tel:+903122978626) Extension: 126

Email: dsonmez@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/dsonmez>

Address: Eğitim Bölümü Matematik ve Fen Bilimleri Eğitimi Bölümü Fen Bilgisi Eğitimi Ana Bilim Dalı Beytepe Ankara

International Researcher IDs

ORCID: 0000-0001-7821-6344

Yoksis Researcher ID: 55381

Education Information

Doctorate, Ohio State University, Graduate School, Science Education, United States Of America 2001 - 2006

Postgraduate, Ohio State University, Graduate School, Science Education, United States Of America 1999 - 2001

Undergraduate, Ege University, Faculty Of Science, Biyoloji, Turkey 1993 - 1997

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Examining the effects of a DNA fingerprinting workshop on science teachers' professional development and student learning, Ohio State University, College Of Education / Science Education, 2006

Research Areas

Social Sciences and Humanities, Education, Education in Natural Sciences, Education in Biology

Academic Titles / Tasks

Associate Professor, Hacettepe University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2018 - Continues

Associate Professor, Hacettepe University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2017 - Continues

Assistant Professor, Hacettepe University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2013 - 2018

Lecturer PhD, Hacettepe University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2007 - 2013

Academic and Administrative Experience

Hacettepe Üniversitesi, Eğitim Fakültesi, İlköğretim Bölümü, 2015 - 2016

Hacettepe Üniversitesi, Eğitim Fakültesi, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Preparing to teach in informal settings: preservice science teachers' experiences in a natural history museum**
SÖNMEZ D., Öztürk N.
International Journal of Science Education, vol.44, no.18, pp.2724-2744, 2022 (SSCI)
- II. **An Integrated Biology & Mathematics Activity to Investigate Photosynthesis & Linear Relationships**
SÖNMEZ D., Ozgun-Koca S. A.
AMERICAN BIOLOGY TEACHER, vol.82, no.7, pp.488-493, 2020 (SCI-Expanded)
- III. **Videos as an Instructional Tool in Pre-service Science Teacher Education**
SÖNMEZ D., Hakverdi-Can M.
EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.12, no.46, pp.141-158, 2012 (SSCI)
- IV. **THE BRIDGE BETWEEN MOTIVATION AND IMPLEMENTATION; AN INSIDE LOOK TO PROFESSIONAL DEVELOPMENT**
SÖNMEZ D., Haury D.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.40, pp.353-362, 2011 (SSCI)

Articles Published in Other Journals

- I. **Creating meaningful experiences for pre service teachers thoughts and experiences on an elective course**
SÖNMEZ D.
International Journal of Progressive Education, vol.11, no.2, pp.29-38, 2015 (Peer-Reviewed Journal)
- II. **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**
Dal B., Alper U., Ozdem-Yilmaz Y., Ozturk N., SÖNMEZ D.
INTERNATIONAL RESEARCH IN GEOGRAPHICAL AND ENVIRONMENTAL EDUCATION, vol.24, no.3, pp.184-200, 2015 (ESCI)
- III. **Perception of Climate Change Reasons Consequences and Willingness toAct How Aware are They**
DAL B., ÖZTÜRK N., Umut A., SÖNMEZ D., Emin Misir M., ÇÖKELEZ A.
Cross-Disciplinary Subjects in Education (IJCDSE), vol.4, no.2, pp.1930-1937, 2015 (Peer-Reviewed Journal)
- IV. **What is that thing called climate change? An investigation into the understanding of climate change by seventh-grade students**
Ozdem Y., Dal B., Ozturk N., SÖNMEZ D., Alper U.
INTERNATIONAL RESEARCH IN GEOGRAPHICAL AND ENVIRONMENTAL EDUCATION, vol.23, no.4, pp.294-313, 2014 (ESCI)
- V. **Learning how to design a technology supported inquiry based learning environment**
HAKVERDİ CAN M., SÖNMEZ D.
Science Education International, vol.23, no.4, pp.338-352, 2012 (Peer-Reviewed Journal)
- VI. **Problem Based Learning in Science ED482724**
SÖNMEZ D., Hyonyong L.
ERIC DIGEST, 2003 (Non Peer-Reviewed Journal)

Books & Book Chapters

- I. **Bölüm 17. DNA Elektroforez ile STEM. Kalıtima Farklı Senaryolarla Bakış**
SÖNMEZ D.

- in: Fen Bilimleri Öğretimi ve STEM Etkinlikleri, Ahmet Tekbiyik, Gültekin Çakmakçı, Editor, Nobel, Ankara, pp.415-427, 2018
- II. Bölüm 6: Durumlar İçi Gösterimler: Açıklamak ve Tahmin Etmek**
SÖNMEZ D.
in: Nitel Veri Analizi, Akbaba Altun Sadegül, Ersoy Ali, Editor, Pegem Akademi, Ankara, pp.143-171, 2015
- III. Bölüm 8: Öykünüzün Oluşturulması: Nitel Verinin Yazımı**
SÖNMEZ D.
in: Nitel Araştırmaya Giriş, Ersoy, Ali; Yalçınoglu, Pelin, Editor, Anı Yayıncılık, Ankara, pp.301-332, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. System Understanding where we are a look into science education**
SÖNMEZ D.
INTE 2015 - International Conference on New Horizons in Education, Barselona, Spain, 10 - 12 June 2015, pp.470-475
- II. How prior knowledge and colour contrast interfere visual search processes in novice learners An eye tracking study**
SÖNMEZ D., ALTUN A., MAZMAN S. G.
IADIS International Conference Cognition and Exploratory Learning in Digital Age, Madrid, Spain, 19 - 21 October 2012, pp.42-49
- III. Modelleme Yöntemiyle Genetik Eğitimi**
SÖNMEZ D., HAKVERDİ CAN M.
IX. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, İzmir, Turkey, 23 - 25 September 2010, pp.182
- IV. Affects of a microteaching course on student teaching practice**
SÖNMEZ D.
European Conference on Educational Resarch 2012, Cadiz, Spain, 17 - 21 September 2012
- V. From Idea to Reality: Establishing Science Centers for Pre-service Teachers**
KAPTAN F., HAKVERDİ CAN M., SÖNMEZ D., BEKTAŞLI B., BAYRAM Z., BATI K., ALBAYRAK SARI A.
The International Symposium on Science Centers and Sustainable Development, İstanbul, Turkey, 11 - 13 June 2012
- VI. Preservice science teachers' ability to identify good teaching practices**
SÖNMEZ D., HAKVERDİ CAN M.
2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.4120-4124
- VII. İnternet Ortamında Öğretime Farklı Bir Yaklaşım Webquest**
HAKVERDİ CAN M., SÖNMEZ D.
18. Ulusal Egitim Bilimleri Kurultayı, Kuşadası, Turkey, 1 - 03 October 2009, pp.152
- VIII. Fen Ve Teknoloji Öğretmen Adaylarının Bilgisayar Kullanımına Verdikleri Değer Düzeyleri Üzerine Bir Çalışma**
SÖNMEZ D., HAKVERDİ CAN M.
18. Ulusal Egitim Bilimleri Kurultayı, Kuşadası, Turkey, 1 - 03 October 2009, pp.133
- IX. Evolution Of Environmental Education Content in Science Curricula in Turkey**
SÖNMEZ D., HAKVERDİ CAN M., KORKMAZ H.
13th Symposium of the International Organization for Science and Technology Education (IOSTE), Aydin, Turkey, 21 - 26 September 2008, pp.1213-1217
- X. Factors Influencing Pre Service Teachers Perception of Internet Identification**
HAKVERDİ CAN M., GÜCÜM E. B., KORKMAZ H., SÖNMEZ D.
13th Symposium of the International Organization for Science and Technology Education (IOSTE), Aydin, Turkey, 21 - 26 September 2008, pp.1208-1212
- XI. Excavating The Layers And Reconstructing The Story Of Teaching Evolution**

- YALÇINOĞLU P., SÖNMEZ D., DAY R., HAURY D. L.
NARST 2006 Konferansı, San-Francisco, Costa Rica, 15 - 17 April 2006
- XII. **Conflict Concerns And Challenges Ohio Teachers Struggle To Teach Evolution**
SÖNMEZ D., DAY R., YALÇINOĞLU P., HAURY D. L.
NARST 2006 Konferansı, San-Francisco, Costa Rica, 15 - 17 April 2006
- XIII. **Science Fiction Movies as a Tool for Revealing Students Knowledge and Alternative Conceptions**
Öngel Erdal S., SÖNMEZ D., Day R.
NARST 2004 Konferansı, Vancouver, Canada, 1 - 03 April 2004
- XIV. **Teaching science through science fiction An emerging conceptual framework reflecting reported practices**
HAURY D. L., SÖNMEZ D., YALÇINOĞLU P.
NARST 2004 Konferansı, Vancouver, Canada, 1 - 03 April 2004

Expert Reports

- I. **Risk Altındaki Kız Çocukların Gelecek ve Meslek Algılarının Çizdikleri Resimlere Yansıma Biçimleri**
SÖNMEZ D.
2015

Supported Projects

- SÖNMEZ D., YILMAZ A., BATI K., ÖZEN Z. Z., Project Supported by Higher Education Institutions, Fen Bilgisi Eğitimi ve Okul Öncesi Eğitimi Öğretmen Adaylarının Eğitimine Yönelik Sensör ve Tablet Teknolojileri Altyapılarının Kurulması ve Etkilerinin Araştırılması, 2014 - 2017
- SÖNMEZ D., Project Supported by Higher Education Institutions, Sistem Anlayışı, Neredeyiz? Fen Bilimleri Eğitimine Bir Bakış, 2015 - 2015
- SÖNMEZ D., TUBITAK Project, Bilim Teknoloji Tasarım Hikayeleri Ekosistemler, 2014 - 2014

Metrics

- Publication: 28
Citation (WoS): 32
Citation (Scopus): 76
H-Index (WoS): 3
H-Index (Scopus): 4

Non Academic Experience

OSCI projesi - Ohio Department of Education