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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: R-5584-2019

ScopusID: 13410804800

Yoksis Researcher ID: 2810

Education Information

Doctorate, Pennsylvania State University University College Park Campus, Curriculum Instruction, United States Of America 1996 - 2001

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 1994 - 1996

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1987 - 1994

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A case study of a novice college student's alternative framework and learning of force and motion, Pennsylvania State University University College Park Campus, Curriculum Instruction, 2001

Postgraduate, Yüksek sıcaklık süperiletkenlerinin özelliklerinin ve teorilerinin incelenmesi, Erciyes University, Kamu Yönetimi, Fizik (YI) (Tezli), 1990

Research Areas

Psychological Foundations of Education, Test and Measurement in Education, Curriculum Development, Educational Technology, Educational Administration and Curriculum Development, Curriculum Development and Teaching Methods, Teacher Training in Natural Sciences, Teacher Training in Science and Math. at Primary Sch. Level, Education in Physics, Teacher Training, Teacher Training in Science and Math. at Second. Sch. Lev.

Academic Titles / Tasks

Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2012 - Continues

Associate Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2006 - 2012

Assistant Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2005 - 2006

Supervised Theses

- TAŞAR M. F., Examining Prospective Science Teachers' Development Of Technological Pedagogical Content Knowledge In A Transformative Learning Environment, Doctorate, D.YILMAZ(Student), 2020
- TAŞAR M. F., Investigation Of Science Teachers' Individual Innovativeness Level, Lifelong Learning Tendencies And Stem Applications Self-Efficacy Perceptions And Their Relationships, Postgraduate, R.YÜKSEL(Student), 2020
- TAŞAR M. F., Students' Development Of Motivation And Perception Towards Career Awareness In A Science Course: A Self-Study, Postgraduate, N.ERDOĞDU(Student), 2019
- TAŞAR M. F., Secondary School Students' Misconceptions About Sink-Float, Postgraduate, E.SOYYIĞİT(Student), 2019
- Taşar M. F., The Design, Implementation, And Evaluation Of A Stem Education Course For Prerservice Science Teachers , Doctorate, K.GÜL(Student), 2019
- TAŞAR M. F., Ben nasıl bir öğretmenim? öğrencilerimin fen-teknoloji-mühendislik-matematik (STEM) kariyer gelişimi üzerine öz-incelemem, Doctorate, İ.DÖNMEZ(Student), 2018
- TAŞAR M. F., What Kind of a Teacher Am I? My Self-Study on my Students' Science-Technology-Engineering-Mathematics (STEM) Career Development, Doctorate, İ.Dönmez(Student), 2018
- TAŞAR M. F., Bilim sözde-bilim ayrımı bağlamında tasarlanan argümantasyon temelli etkinliklerin, 8. sınıf öğrencilerinin bilimin doğası görüşlerine, sözde-bilimsel inançlarına ve argümantasyon becerilerine etkisi, Doctorate, E.ÇETİNKAYA(Student), 2017
- TAŞAR M. F., Physics Teachers' Animation & Simulation-TPACK Levels on Force and Motion: In-Class Holistic Multiple Case Study, Doctorate, M.LÜTFİYE(Student), 2017
- TAŞAR M. F., A Self-Study Of The Use Of Interactive Historical Vignettes Enhanced With Concept Cartoons In Teaching Of The Nature Of Science, Doctorate, M.YÜCEL(Student), 2015
- TAŞAR M. F., Relations of characteristics of science teachers and students with the student achievement in science: A case analysis according to TIMSS 2011 data, Doctorate, İ.ABAZAOĞLU(Student), 2014
- TAŞAR M. F., Determining technological pedagogical content knowledge: Multiple case study, Postgraduate, D.YILMAZ(Student), 2014
- TAŞAR M. F., 4th and 5th grade students' argument structure, Doctorate, D.ŞAHİN(Student), 2014
- TAŞAR M. F., Pre-service teachers' use of multiple representations in science teaching: An action research, Postgraduate, J.ERCAN(Student), 2014
- TAŞAR M. F., Using hypermedia for developing pre-service science teachers' understandings of the nature of science: Examining the role of self regulation, Doctorate, N.İMER(Student), 2013
- TAŞAR M. F., Fen bilgisi öğretmen adaylarının fen içeriği ile ilişkilendirilmiş bilimin doğası konusundaki pedagojik alan bilgilerinin gelişimi, Doctorate, H.ÖZCAN(Student), 2013
- TAŞAR M. F., Prospective science teachers views about how plants gain their dry mass and how the mass leaves human body during weight loss, Postgraduate, Z.MERVE(Student), 2013
- TAŞAR M. F., Fen bilgisi öğretmen adaylarının kuvvet ve hareket konusundaki teknolojik pedagojik alan bilgilerinin gelişimi, Doctorate, B.TİMUR(Student), 2011
- TAŞAR M. F., Assessing views about the nature of science by vignettes: The case of prospective science teachers, Doctorate, M.POLAT(Student), 2011
- TAŞAR M. F., Geniş etkili güncel olayların öğretmen adaylarının bilimin doğası hakkındaki görüşlerine etkisi, Postgraduate, S.ARIK(Student), 2010
- TAŞAR M. F., THE EFFECT OF CURRENTLY HAPPENING EVENTS WITH BROAD IMPACT ON PROSPECTIVE SCIENCE TEACHERS' VIEWS ABOUT THE NATURE OF SCIENCE, Postgraduate, S.ARIK(Student), 2010
- TAŞAR M. F., İLKÖĞRETİM FEN VE TEKNOLOJİ ÖĞRETMENLERİNİN ÇOKLU ZEKÂ KURAMININ UYGULANMASINA YÖNELİK GÖRÜŞLERİ, Postgraduate, A.ÜNAL(Student), 2009
- TAŞAR M. F., Fen ve teknoloji öğretmenlerinin bilimin doğası hakkındaki görüşleri ve bu görüşlerin sınıf uygulamalarına yansımaları, Doctorate, O.ASLAN(Student), 2009
- TAŞAR M. F., İlköğretim fen ve teknoloji öğretmenlerinin çoklu zeka kuramının uygulanmasına yönelik görüşleri,

Postgraduate, A.ÜNAL(Student), 2009

TAŞAR M. F., THE INFLUENCE OF INTERACTIVE HISTORICAL VIGNETTES ON DEVELOPING UPPER PRIMARY STUDENTS' UNDERSTANDINGS OF THE NATURE OF SCIENCE, Postgraduate, M.YÜCEL(Student), 2009

TAŞAR M. F., TEKNOLOJİNİN DOĞASINA YÖNELİK FEN BİLGİSİ ÖĞRETMEN ADAYLARININ GÖRÜŞLERİNİN VE KAVRAMLARININ GELİŞİMİ VE ÖĞRETİMDE İKİLEMLERİN ETKİLİLİĞİ, Doctorate, F.AYDIN(Student), 2009

TAŞAR M. F., Teknolojinin doğasına yönelik fen bilgisi öğretmen adaylarının görüşlerinin ve kavramlarının gelişimi ve öğretimde ikilemlerin etkililiği, Doctorate, F.AYDIN(Student), 2009

TAŞAR M. F., Etkileşimli kısa tarihsel hikâyelerin kullanımının ilköğretim ikinci kademe öğrencilerinin bilimin doğasına yönelik anlayışlarını geliştirmesindeki etkililiği, Postgraduate, M.YÜCEL(Student), 2009

TAŞAR M. F., TEACHING METHODS FOLLOWED BY SCIENCE TEACHERS AND OPINIONS OF STUDENTS ABOUT HOW THESE METHODS ARE USED, Postgraduate, A.SOLMAZ(Student), 2007

TAŞAR M. F., Determining teachers' views about science and technology education, used student evaluation and assessment methods and their importance in the educational processes, Postgraduate, F.CANDUR(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **How do Science Teachers View and Teach the Nature of Science? A Classroom Investigation**
ASLAN O., TAŞAR M. F.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.38, no.167, pp.65-80, 2013 (SSCI)
- II. **An Interview with David Hestenes: His life and achievements**
Taşar M. F., Bilici S., Fettahlioglu P.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.8, no.2, pp.139-153, 2012 (SSCI)
- III. **What part of the concept of acceleration is difficult to understand: The mathematics, the physics, or both?**
TAŞAR M. F.
ZDM - International Journal on Mathematics Education, vol.42, no.5, pp.469-482, 2010 (SCI-Expanded)
- IV. **A CROSS-NATIONAL STUDY OF CZECH AND TURKISH UNIVERSITY STUDENTS' ATTITUDES TOWARDS ICT USED IN SCIENCE SUBJECTS**
Kubiatko M., Usak M., YILMAZ K., TAŞAR M. F.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.9, no.2, pp.119-134, 2010 (SSCI)
- V. **Editorial**
TAŞAR M. F.
Eurasia Journal of Mathematics, Science and Technology Education, vol.6, no.1, pp.1, 2010 (SSCI)
- VI. **STUDENTS' CONCEPTUAL DIFFICULTIES IN QUANTUM MECHANICS: POTENTIAL WELL PROBLEMS**
ÖZCAN Ö., Didis N., TAŞAR M. F.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.36, pp.169-180, 2009 (SSCI)
- VII. **Editorial**
TAŞAR M. F.
Eurasia Journal of Mathematics, Science and Technology Education, vol.4, no.4, pp.317, 2008 (SCI-Expanded)
- VIII. **In memoriam David Ausubel (1918-2008)**
TAŞAR M. F.
Eurasia Journal of Mathematics, Science and Technology Education, vol.4, no.3, pp.195, 2008 (SCI-Expanded)
- IX. **Reflection and remarks on the conversation "The past, present and future of the nature of science research" with Norman Lederman**
TAŞAR M. F.
Eurasia Journal of Mathematics, Science and Technology Education, vol.3, no.4, pp.383-386, 2007 (SCI-Expanded)
- X. **Editorial**
TAŞAR M. F.

- Eurasia Journal of Mathematics, Science and Technology Education, vol.3, no.3, pp.171, 2007 (SSCI)
- XI. **Probing preservice teachers' understandings of scientific knowledge by using a vignette in conjunction with a paper and pencil test**
TAŞAR M. F.
Eurasia Journal of Mathematics, Science and Technology Education, vol.2, no.1, pp.53-70, 2006 (SCI-Expanded)
- XII. **An integration of simple materials and complex ideas: Description of an instructional sequence in statics**
Taylor J., Dana T., TAŞAR M. F.
INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, vol.17, no.3, pp.267-275, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Science Teacher Action Research in Top Tier Science Education Journals: A Review of the Literature**
Feldman A., Belova N., Eilks I., Kapanadze M., Rauch F., Mamlok-Naaman R., TAŞAR M. F.
Journal of Science Teacher Education, vol.36, no.1, pp.1-27, 2025 (ESCI)
- II. **Scaffolding prompt questions and learners' self-regulated learning about the nature of science in hypermedia**
Taşar M. F., Çetin N. İ.
International Journal of Curriculum and Instruction, vol.13, no.2, pp.1802-1824, 2021 (Peer-Reviewed Journal)
- III. **A Systematic Review of Creative Self-Efficacy Literature in Education**
Unal A., TAŞAR M. F.
Eurasia Journal of Mathematics, Science and Technology Education, vol.17, no.12, 2021 (Scopus)
- IV. **Açık-Düşündürücü Öğretim Deneyimi Sonrası Fen Bilimleri Öğretmen Adaylarının Bilimi Anlama Düzeyleri: Hermenötik Bakış**
ÖZCAN H., SARITAŞ D., TAŞAR M. F.
Bayburt Eğitim Fakültesi Dergisi, vol.15, no.29, pp.223-250, 2020 (Peer-Reviewed Journal)
- V. **DÖRDÜNCÜ VE BEŞİNCİ SINIF ÖĞRENCİLERİNİN ARGÜMAN YAPILARI**
Şahin Kalyon D., Taşar M. F.
Avrasya Uluslararası Araştırmalar Dergisi, vol.8, no.22, pp.39-71, 2020 (Peer-Reviewed Journal)
- VI. **Editorial: STEM Education: "What's in a Name?"**
Taşar M. F.
Hellenic Journal of STEM Education, vol.1, no.1, pp.1-4, 2020 (Peer-Reviewed Journal)
- VII. **Prospective Science Teachers' Views on Career Planning and their Self-efficacy Levels for Career Decision-Making**
İnce Aka E., Taşar M. F.
INTERNATIONAL ONLINE JOURNAL OF EDUCATION AND TEACHING, vol.7, no.3, pp.960-975, 2020 (Peer-Reviewed Journal)
- VIII. **Açık-Düşündürücü Öğretim Deneyimi Sonrası Fen Bilimleri Öğretmen Adaylarının Bilimi Anlama Düzeyleri: Hermenötik Bakış**
ÖZCAN H., SARITAŞ D., TAŞAR M. F.
Bayburt Eğitim Fakültesi Dergisi, vol.15, no.29, pp.223-250, 2020 (Peer-Reviewed Journal)
- IX. **Eighth Grade Students' Knowledge of Key Biotechnology Concepts**
ATASOY B., ATICI T., TAŞAR M. F., TAFLI T.
Hellenic Journal Stem Education, vol.1, no.1, pp.33-42, 2020 (Peer-Reviewed Journal)
- X. **A review of researches on stem in preservice teacher education**
Gül K. S., TAŞAR M. F.
Elementary Education Online, vol.19, no.2, pp.515-539, 2020 (Scopus)
- XI. **Action Research Studies in Science Education in Turkey**
Taşar M. F.
Action Research and Innovation in Science Education, vol.3, no.1, pp.1-2, 2020 (Peer-Reviewed Journal)

- XII. **A self-study on the values and beliefs of science teachers and their science, technology, engineering and mathematics (STEM) applications**
Dönmez İ., TAŞAR M. F.
Participatory Educational Research, vol.7, no.1, pp.59-79, 2020 (Scopus)
- XIII. **Eliciting prospective science teachers' teaching orientations by using a card sorting activity**
Yılmaz Ergül D., Taşar M. F.
Action Research and Innovation in Science Education, vol.3, no.2, pp.27-37, 2020 (Peer-Reviewed Journal)
- XIV. **Sözde-bilim İnanış Ölçeği'nin (SİÖ) Geliştirilmesi: Geçerlik ve Güvenirlik Çalışması**
Çetinkaya E., TAŞAR M. F.
Trakya Eğitim Dergisi, vol.8, no.3, pp.497-512, 2018 (Peer-Reviewed Journal)
- XV. **Examining the Argumentation Researches at the Science Education in Turkey**
Cetinkaya E., TAŞAR M. F.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.33, no.2, pp.353-381, 2018 (ESCI)
- XVI. **Turkish Adaptation of the Views of Nature of Science-Form C: Validity and Reliability Study**
ÖZCAN H., TAŞAR M. F.
International Journal of Physics and Chemistry Education, vol.10, no.1, pp.31-39, 2018 (Peer-Reviewed Journal)
- XVII. **Relations of characteristics of science teachers and students with the student achievement in science: A case analysis according to TIMSS 2011 data Fen bilgisi öğretmen özelliklerinin öğrenci fen başarisi ile ilişkisi: TIMSS 2011 verilerine göre bir durum analizi**
Abazaoğlu İ., TAŞAR M. F.
Elementary Education Online, vol.15, no.3, pp.922-945, 2016 (Scopus)
- XVIII. **Using concept maps to determine pre service science teachers views about the nature of science**
ÇETİN N. İ., TAŞAR M. F.
Journal of Theory & Practice in Education, vol.11, no.4, pp.1185-1206, 2015 (Peer-Reviewed Journal)
- XIX. **Bilimsel bilgi teori yüklüdür dağa çıkan 1 inek 1500 oldu etkinliği**
ÖZCAN H., TAŞAR M. F.
Araştırma Temelli Etkinlik Dergisi, vol.4, pp.24-35, 2014 (Peer-Reviewed Journal)
- XX. **Bilimin Doğasına Yönelik Bir Etkinlik Ardışık Olaylar**
ÖZCAN H., TAŞAR M. F.
Araştırma Temelli Etkinlik Dergisi, vol.4, pp.36-45, 2014 (Peer-Reviewed Journal)
- XXI. **Adaptation of The Microcomputer Utilization in Teaching Efficacy Beliefs Instrument into Turkish and Science Teaching**
TİMUR B., TAŞAR M. F.
Journal of Turkish Science Education, vol.10, no.3, 2013 (Scopus)
- XXII. **Adaptation of "the microcomputer utilization in teaching efficacy beliefs instrument" into turkish and science teaching Fen Öğretiminde Bilgisayar Kullanılma Yönelik Öz Yeterlik İnanç Ölçeğinin Türkçe'ye Uyarlanması**
TİMUR B., TAŞAR M. F.
Journal of Turkish Science Education, vol.10, no.3, pp.59-72, 2013 (Scopus)
- XXIII. **Developing Pre Service Science Teachers Cognitive Structures about Technology Word Association Test WAT**
TİMUR B., TAŞAR M. F.
Western Anatolia Journal of Educational Sciences, pp.131-138, 2011 (Peer-Reviewed Journal)
- XXIV. **Teknolojik Pedagojik Alan Bilgisi Öz Güven Ölçeğinin TPABÖGÖ Türkçe ye Uyarlanması**
TİMUR B., TAŞAR M. F.
University of Gaziantep Journal of Social Sciences, vol.10, no.2, pp.839-856, 2011 (Peer-Reviewed Journal)
- XXV. **In Service Science Teachers Technological Pedagogical Content Knowledge Confidences and Views about Technology Rich Environments**
TİMUR B., TAŞAR M. F.
CEPS Journal, vol.1, no.4, pp.11-25, 2011 (Peer-Reviewed Journal)

- XXVI. **In-service science teachers' technological pedagogical content knowledge confidences and views about technology-rich environments** Samozaupanje učiteljev naravoslovja v njihovo tehnološko-pedagoško znanje in njihova stališča do tehnološko bogatih okolij
TİMUR B., TAŞAR M. F.
Center for Educational Policy Studies Journal, vol.1, no.4, pp.11-25, 2011 (Scopus)
- XXVII. **An Investigation Of Pre Service Science Teachers Cognitive Structures and Ideas About The Nature Of Technology**
AYDIN F., TAŞAR M. F.
Ahi Evran Ün. Kırşehir Eğitim Fakültesi Dergisi, vol.11, no.4, pp.209-221, 2010 (Peer-Reviewed Journal)
- XXVIII. **Fen ve teknoloji öğretmenlerinin bilimin doğası hakkındaki görüşleri**
ASLAN O., YALÇIN N., TAŞAR M. F.
Ahi Evran Üniversitesi Eğitim Fakültesi Dergisi, vol.10, no.3, pp.1-8, 2009 (Peer-Reviewed Journal)
- XXIX. **Challenges in Environmental Education: A Conversation with Annette Gough**
TAŞAR M. F.
Eurasia Journal Of Mathematics Science And Technology Education, vol.5, no.3, pp.187-196, 2009 (Scopus)
- XXX. **TC 6 8 Sınıflar Fen ve Teknoloji Dersi Öğretim Programının ABD Massachusetts Eyalet Bilim ve Teknoloji Mühendislik Dersi Öğretim Programı ile Karşılaştırılarak Değerlendirilmesi**
TAŞAR M. F., KARAÇAM S.
Millî Eğitim Dergisi, vol.37, no.179, pp.195-211, 2008 (Scopus)
- XXXI. **Development and Validation of a Multiple Format Test of Science Process Skills**
Temiz B. K., Taşar M. F., Tan M.
INTERNATIONAL EDUCATION JOURNAL, vol.7, no.7, pp.1007-1027, 2006 (Scopus)
- XXXII. **Öğretmen Adaylarının Momentum ve İmpuls Kavramlarına İlişkin Bilgi Yapılarının Kavram Haritaları Yöntemi ile Araştırılması**
ÜNLÜ P., İNĞEÇ Ş., TAŞAR M. F.
Eğitim ve Bilim, no.31, pp.70, 2006 (Peer-Reviewed Journal)
- XXXIII. **Momentum Kavramının Öğrenme Gelişim Sıralamasının Araştırılması**
KANDİL İNĞEÇ Ş., ÜNLÜ P., TAŞAR M. F.
Kırşehir Eğitim Fakültesi Dergisi, no.7, pp.123, 2006 (Peer-Reviewed Journal)
- XXXIV. **Momentum ve İmpuls Kavramlarını Anlama II Öğretmen Adaylarının Momentum ve İmpuls Konuları ile İlgili Durumlar İçeren Problemlere Verdikleri Yazılı Cevapların İncelenmesi**
Kandil İnğec Ş., TAŞAR M. F., GÜNEŞ P.
Gazi Eğitim Fakültesi Dergisi, no.25, pp.309, 2005 (Peer-Reviewed Journal)
- XXXV. **Foto-mat projesi ve matematik öğretmen adaylarının bu proje hakkındaki görüşleri**
ARIKAN A., ARGÜN Z., TAŞAR M. F., ÇAKMAK M.
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi-Hacettepe University Journal Of Education, 2004 (Peer-Reviewed Journal)
- XXXVI. **Teaching history and the nature of science in science teacher education programs**
TAŞAR M. F.
Pamukkale Üniversitesi Eğitim Fakültesi Dergisi, vol.8, no.13, pp.30-42, 2003 (Peer-Reviewed Journal)
- XXXVII. **Momentum ve İmpuls Kavramlarını Anlama I Öğretmen Adaylarının Açık Uçlu Sorularla Momentum ve İmpulsu Nasıl Tanımladıklarının Belirlenmesi**
ÜNLÜ YAVAŞ P., İNĞEÇ Ş., TAŞAR M. F.
G.Ü. Gazi Eğitim Fakültesi Dergisi, vol.22, no.3, pp.121-138, 2002 (Peer-Reviewed Journal)
- XXXVIII. **Momentum ve İmpuls Kavramlarını Anlama I Öğretmen Adaylarının Açık Uçlu Sorularla Momentum ve İmpulsu Nasıl Tanımladıklarının Belirlenmesi**
GÜNEŞ P., ŞK İ., TAŞAR M. F.
Gazi Eğitim Fakültesi Dergisi, no.22, pp.121, 2002 (Peer-Reviewed Journal)

Books

- I. **Technological Pedagogical Content Knowledge (TPACK) in Physics Education**
TAŞAR M. F., YILMAZ ERGÜL D.
in: The International Handbook of Physics Education Research: Teaching Physics, Taşar, Mehmet Fatih; Heron, Paula R. L., Editor, AIP Publishing, pp.1-30, 2023
- II. **Impact of the eco-schools program on "Education for Sustainable Development" in Turkey**
Taşar M. F.
in: Green Schools Globally, Annette Gough, John Chi-Kin Lee, Eric Po Keung Tsang, Editor, Springer, London/Berlin , Basel, pp.345-363, 2020
- III. **Genel Fizik I**
TAŞAR M. F., ORBAY M., ÖNER F., GÜMÜŞ S., AYVACI H. Ş., DEĞİRMENCİ S., ÜNLÜ YAVAŞ P., İNĞEÇ Ş., YILMAZLAR M.
Pegem Akademi, 2017
- IV. **GENEL FİZİK I**
Taşar M. F., Orbay M., Ayvaci H. Ş., Değirmenci S., Gümüş S., İngeç Ş., Öner F., Ünlü Yavaş P., Yılmazlar M.
PEGEM AKADEMİ, Ankara, 2017
- V. **Fizik Nedir?**
TAŞAR M. F.
in: Genel Fizik I, Taşar, Mehmet Fatih Orbay, Metin, Editor, Pegem Akademi, Ankara, pp.1-24, 2017
- VI. **Enerji**
TAŞAR M. F.
in: Genel Fizik I, Taşar, Mehmet Fatih Orbay, Metin, Editor, Pegem Akademi, Ankara, pp.197-228, 2017
- VII. **Süperiletkenlik: Doğanın Yüzyıldır Çözölemeyen Bir Gizemi**
Taşar M. F.
in: FİZİKTE ÖZEL KONULAR, Mehmet Fatih Taşar, Editor, Pegem A Yayıncılık, Ankara, pp.71-115, 2014
- VIII. **İlköğretim Fen ve Teknoloji Dersi Öğretim Programında Fizik Ünitelerinin Öğretiminde Karşılaşılan Güçlükler ve Çözüm Önerileri**
TİMUR B., TAŞAR M. F.
in: Türkiye'de Fizik Eğitimi Alanındaki Tecrübeler, Sorunlar, Çözümler ve Öneriler, Mehmet Şahin Bülbül, Editor, Elektronik Kitap, Ankara, pp.37-53, 2010

Papers Published in Refereed Scientific Meetings

- I. **Science Teaching Orientations of Pre-Service Teachers in a Transformative Learning Environment**
YILMAZ ERGÜL D., TAŞAR M. F.
The 15th Conference of the European Science Education Research Association (ESERA), Nevşehir, Turkey, 28 August - 01 September 2023
- II. **What Makes a Professional Development Program Efficient? Understanding Physics Teachers' Perceptions**
ŞENTÜRK M. L., ERCAN J., TAŞAR M. F.
European Science Education Research Association Conference (ESERA), 21 - 25 August 2017
- III. **Discussant: The Challenge of Teachers to Teach Complex Socio-Scientific Issues in Science Class**
TAŞAR M. F.
ESERA 2017, Dublin, Ireland, 21 - 25 August 2017
- IV. **What makes a professional development program efficient? Understanding physics teachers' perceptions**
ŞENTÜRK M. L., ERCAN J., TAŞAR M. F.
ESERA 2017, Dublin, Ireland, 21 - 25 August 2017
- V. **Technological pedagogical content knowledge studies in science education: A review study**
ERCAN J., TAŞAR M. F.

ESERA 2017, Dublin, Ireland, 21 - 25 May 2017

- VI. **The creteria for creativity in STEM Feilds**
TAŞAR M. F.
International Conference on Applied System Innovation (IEEE ICASI 2017), Sapporo, Japan, 13 - 17 May 2017
- VII. **Methodological issues in educational research**
TAŞAR M. F.
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- VIII. **The main pedagogical research problems: An international perspective**
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- IX. **Ethical considerations in education research and reports**
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- X. **Structure and organization of articles in education**
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- XI. **Examining physics teachers' technological pedagogical content knowledge after a professional development program: Multiple case study**
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