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International Researcher IDs

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Publons / Web Of Science ResearcherID: AIC-6804-2022

Yoksis Researcher ID: 194689

Education Information

Doctorate, Gazi University, Eğitim Bilimleri Enstitüsü, Fen Bilgisi Eğitimi (Dr), Turkey 2014 - 2020

Postgraduate, Gazi University, Eğitim Bilimleri Enstitüsü, Fen Bilgisi Eğitimi (YI) (Tezli), Turkey 2011 - 2014

Undergraduate, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2006 - 2010

Dissertations

Doctorate, Dönüştürücü öğrenme ortamında fen bilgisi öğretmen adaylarının teknolojik pedagojik alan bilgilerinin gelişimi, Gazi University, Eğitim Bilimleri Enstitüsü, 2020

Postgraduate, Teknolojik Pedagojik Alan Bilgisinin Belirlenmesi: Çoklu Durum Çalışması, Gazi University, Eğitim Bilimleri Enstitüsü, Fen Bilgisi Eğitimi (YI) (Tezli), 2014

Research Areas

Social Sciences and Humanities

Academic Titles / Tasks

Assistant Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi, 2023 - Continues

Research Assistant, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2013 - Continues

Courses

Ethics and Ethics in Education, Undergraduate, 2021 - 2022

Bilim Tarihi ve Felsefesi, Undergraduate, 2020 - 2021

Dijital Eğitsel İçerik Hazırlama, Undergraduate, 2020 - 2021

Articles Published in Other Journals

- I. **Development and Validation of the Teachers' Digital Competence Scale (TDiCoS)**
Yılmaz Ergül D., Taşar M. F.
JOURNAL OF LEARNING AND TEACHING IN DIGITAL AGE, vol.8, no.1, pp.148-160, 2023 (Peer-Reviewed Journal)
- II. **Dönüştürücü Öğrenme Teorisine Dayalı Bir TPAB Geliştirme Eğitiminin Öğretmen Adaylarına Katkısı: Çoklu Durum Çalışması**
Yılmaz Ergül D., Taşar M. F.
Gazi Eğitim Fakültesi Dergisi, vol.42, no.3, pp.2037-2080, 2022 (Peer-Reviewed Journal)
- III. **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)

Books & Book Chapters

- I. **STEM Eğitiminde Değerlendirme Yaklaşımları**
YILMAZ ERGÜL D., IRMAK M., YANIŞ KELLEÇİ H.
in: STEM Eğitimi Perspektif, Süreç ve Uygulamalar, Anagün, S. Ş.; Özden, M., Editor, Vizetek, pp.245-276, 2023
- II. **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
- III. **Fen Öğretiminde Teknopedagojik Yaklaşım**
Irmak M., Yılmaz Ergül D.
in: 21. Yüzyılda Fen Bilimleri Öğretimi, Çavaş Pınar, Anagün Şengül S, Editor, Anı Yayıncılık, Ankara, pp.37-64, 2021

Refereed Congress / Symposium Publications in Proceedings

- 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. **Rationales for the Strategies Used by Science Teachers While Teaching 'Variables That Affect the Brightness of a Light Bulb**
IRMAK Ş., YILMAZ ERGÜL D., YALVAÇ ERTUĞRUL E.
15th Biennial Conference of the European Science Education Research Association (ESERA), Nevşehir, Turkey, 28 August - 01 September 2023
- III. **The Influence of History of Science Supported Activities on University Students' Nature of Science Beliefs**
KANLI U., YILMAZ ERGÜL D., YANIŞ KELLEÇİ H., KOŞTUR H. İ.
The 15th Conference of the European Science Education Research Association (ESERA 2023), Nevşehir, Turkey, 24 August 2023
- IV. **Examining physics teachers' technological pedagogical content knowledge after a professional development program: Multiple case study**
ŞENTÜRK M. L., IRMAK M., ERCAN J., YILMAZ D., TAŞAR M. F.
National Association for Research in Science Teaching (NARST), 13 November 2016 - 23 March 2019
- V. **Fen Bilimleri Öğretmenliği Programı Öğrencilerinin Organ Diseksiyonu Tekniğine Yönelik Görüşleri**
YILMAZ ERGÜL D., YENİKALAYCI N.
IIX Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Turkey, 4 - 07 September 2016
- VI. **Changes in Physics Teachers Cognitive Structures about Using Educational Animations and Simulations**

IRMAK M., YILMAZ D., ERCAN J., ŞENTÜRK M., TAŞAR M. F.

11th Biennial Conference of the European Science Education Research Association (ESERA), Helsinki, Finland, 31 August - 04 September 2015

VII. PHYSICS TEACHERS DEVELOPMENT OF TECHNOLOGY PEDAGOGY AND CONTENT KNOWLEDGE A MIXED METHOD STUDY

TAŞAR M. F., ERCAN J., merve lütfiye ş., YILMAZ D., IRMAK M.

iSER World Conference, 10 - 12 June 2015

VIII. The VOPLE Project

TAŞAR M. F., ŞENTÜRK M., YILMAZ D., ERCAN J., IRMAK M., UŞAK M.

iSER 2015 WORLD CONFERENCE on EDUCATION, 10 - 12 June 2015

IX. Physics Teachers Development of Technology Pedagogy and Content Knowledge A Mixed Methods Study

TAŞAR M. F., ERCAN J., ŞENTÜRK M., YILMAZ D., IRMAK M.

iSER 2015 WORLD CONFERENCE on EDUCATION, İstanbul, Turkey, 10 - 12 June 2015

X. Examining a Teacher s Integration of Animations and Simulations in Physics Teaching after Professional Development Program

ERCAN J., YILMAZ D., ŞENTÜRK M., IRMAK M., TAŞAR M. F.

American Educational Research Association (AERA) Annual Meeting, Chicago, United States Of America, 15 - 21 April 2015

XI. The effect of teaching practices in science exhibits on pre-service science teachers' attitudes toward teaching profession

YILMAZ ERGÜL D., BARDAK Ş., ERCAN J., KAYACAN K.

IX. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Turkey, 14 - 17 September 2014

XII. Determining technological pedagogical content knowledge: multiple case study

YILMAZ ERGÜL D., TAŞAR M. F.

International Science Education Conference, 12 - 15 March 2014

XIII. Graduate students' understandings about weight loss: a self-study

Ercan J., YILMAZ ERGÜL D., TAŞAR M. F.

International Society of Educational Research World Conference, 17 - 21 February 2014

XIV. Fostering physics teachers' development of TPACK through a professional development program

ŞENTÜRK M. L., TAŞAR M. F., YILMAZ ERGÜL D., ERCAN J., IRMAK M.

International Society of Educational Research World Conference, 3 - 07 February 2014

XV. A virtual online physics learning environment (VOPLE) closely aligned with curriculum outcomes

TAŞAR M. F., KANDİL İNGEÇ Ş., TİMUR B., ŞEN A. İ., UŞAK M., ŞENTÜRK M. L., YILMAZ ERGÜL D., ERCAN J., IRMAK M.

International Society of Educational Research World Conference, 2 - 05 February 2014

XVI. Newton meets momentum currents – a passion play

Hermann F., Pohlig M., Agnes C., YILMAZ ERGÜL D., Jale E.

The World Conference on Physics Education, 10 - 15 June 2012

Scientific Refereeing

JOURNAL OF INDIVIDUAL DIFFERENCES, National Scientific Refreed Journal, December 2021

Anadolu Journal of Educational Sciences International , National Scientific Refreed Journal, March 2021

eğitim ve Toplum Araştırmaları Dergisi, National Scientific Refreed Journal, January 2021

Metrics

Publication: 22

Citation (Scopus): 3

H-Index (Scopus): 1