

Prof. Ali Eraslan

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-4486-2019

Yoksis Researcher ID: 12623

Education Information

Doctorate, Florida State University, College of Education (PhD), Curriculum and Instruction (Teaching and Learning), United States Of America 2001 - 2005

Doctorate, Oregon State University, College of Education (MSc.), Mathematics and Science Education , United States Of America 2000 - 2001

Undergraduate, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1989 - 1993

Dissertations

Doctorate, A Qualitative Study: Algebra Honor Students' Cognitive Obstacles as They Explore Concepts of Quadratic Functions,, Florida State University, Matematik Eğitimi, 2005

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2018 - Continues

Associate Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2012 - 2018

Assistant Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2006 - 2012

Academic and Administrative Experience

Ondokuz Mayıs University, 2018 - Continues

Ondokuz Mayıs University, 2016 - 2019

Ondokuz Mayıs University, 2013 - 2016

Ondokuz Mayıs University, 2009 - 2010

Courses

MATEMATİK EĞİTİMİNDE NİTEL ARASTIRMA YÖNTEMLERİ, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

GEOMETRİ VE ÖLÇME ÖĞRETİMİ, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Öğretmenlik Uygulaması, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

MATEMATİK ÖĞRETİMİNDE MATERYAL TASARIMI, Associate Degree, 2022 - 2023

Matematik sınıflarında iletişim, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Eğitim araştırmalarında kritik ve analiz, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
MATEMATİK ÖĞRETİMİNDE İLİŞKİLENDİRME, Undergraduate, 2021 - 2022, 2020 - 2021
MATEMATİK ÖĞRETİMİNDE MODELLEME, Undergraduate, 2021 - 2022, 2020 - 2021, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
MATEMATİK ÖĞRETİMİNDE MATERYAL TASARIMI, Undergraduate, 2021 - 2022, 2020 - 2021
MATEMATİKSEL MODELLEME, Undergraduate, 2021 - 2022, 2020 - 2021
OKUL DENEYİMİ, Undergraduate, 2020 - 2021
MATEMATİK ÖĞRETİMİNDE PROBLEM ÇÖZÜMLEME, Doctorate, 2016 - 2017
ÖĞRETİM TEKNOLOJİLERİ VE MATERYAL TASARIMI, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008
EĞİTİMDE ÖĞRENME KURAMLARI, Postgraduate, 2016 - 2017
KONU ALANI DERS KİTABI İNCELEMESİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
EĞİTİMDE KLİNİKSEL DENETLEME METOTLARI, Doctorate, 2016 - 2017, 2012 - 2013
NİTEL ARAŞTIRMA TEKNİKLERİ, Postgraduate, 2016 - 2017, 2012 - 2013
NİCEL ARAŞTIRMA TEKNİKLERİ, Postgraduate, 2016 - 2017, 2012 - 2013
ÖZEL ÖĞRETİM YÖNTEMLERİ I VE II, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008
KARŞILAŞTIRMALI MATEMATİK EĞİTİMİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
EĞİTİMDE ÖĞRENME KURAMLARI, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
MATEMATİK ÖĞRETİMİNDE PROBLEM ÇÖZÜMLEME, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
NİTEL ARAŞTIRMA TEKNİKLERİ, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
EĞİTİMDE KLİNİKSEL DENETLEME METOTLARI, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
NİCEL ARAŞTIRMA TEKNİKLERİ, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
matematik öğretiminde problem çözümüleme, Postgraduate, 2012 - 2013
Eğitimde Öğrenme kuramları, Doctorate, 2012 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Fourth-Grade Primary School Students' Thought Processes and Challenges Encountered during the Butter Beans Problem**
Sahin N., Eraslan A.
EDUCATIONAL SCIENCES-THEORY & PRACTICE, vol.17, no.1, pp.105-127, 2017 (SSCI)
- II. **Modeling Processes of Primary School Students: The Crime Problem**
ŞAHİN N., ERASLAN A.
Eğitim ve Bilim, vol.41, no.183, pp.47-67, 2016 (SSCI)
- III. **Modeling Processes of Primary School Students: The Crime Problem**
Sahin N., Eraslan A.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.41, no.183, pp.47-67, 2016 (SSCI)
- IV. **Modeling Processes of 4th-Year Middle-School Students and the Difficulties Encountered**
Eraslan A., Kant S.
EDUCATIONAL SCIENCES-THEORY & PRACTICE, vol.15, no.3, pp.809-824, 2015 (SSCI)
- V. **Teachers' Reflections on the Implementation of the New Elementary School Mathematics Curriculum in Turkey**

ERASLAN A.

Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.28, no.2, pp.152-165, 2013 (SSCI)

- VI. **Teachers' Reflections on the Implementation of the New Elementary School Mathematics Curriculum in Turkey**
Eraslan A.
HACETTEPE UNIVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.28, no.2, pp.152-165, 2013 (SSCI)
- VII. **Prospective Elementary Mathematics Teachers' Thought Processes on a Model Eliciting Activity**
Eraslan A.
KURAM VE UYGULAMADA EĞİTİM BİLİMLERİ, vol.12, no.4, pp.2964-2968, 2012 (SSCI)
- VIII. **Prospective Mathematics Teachers and Cheating: It is a Lie If I Say I Have Never Cheated!**
Eraslan A.
EĞİTİM VE BİLİM-EDUCATION AND SCIENCE, vol.36, no.160, pp.52-64, 2011 (SSCI)
- IX. **Japanese Lesson Study: Can it work in Turkey?**
Eraslan A.
EĞİTİM VE BİLİM-EDUCATION AND SCIENCE, vol.33, no.149, pp.62-67, 2008 (SSCI)

Articles Published in Other Journals

- I. **Ortaokul Matematik Öğretmeni Adaylarının Matematik Uygulamaları Dersinde Modelleme Etkinliklerinin Kullanılmasına Yönelik Görüşleri**
Şahin N., Eraslan A.
Turkish Journal of Computer and Mathematics Education, vol.10, no.2, pp.373-393, 2019 (Scopus)
- II. **İlkokulda Model Oluşturma Etkinlikleri Nasıl Uygulanmalı?**
ŞAHİN N., ERASLAN A.
Eğitim Kuram ve Uygulama Araştırmaları Dergisi, vol.4, no.1, pp.99-117, 2018 (Peer-Reviewed Journal)
- III. **Cognitive Modeling Competencies of Third-Year Middle School Students: the Reading Contest Problem**
ŞAHİN N., ERASLAN A.
Necatibey Eğitim Fakültesi Elektronik Fen ve Matematik Eğitimi Dergisi, vol.11, no.2, pp.19-51, 2017 (Peer-Reviewed Journal)
- IV. **Ortaokul Öğrencilerin Modelleme Deneyimleri Kağıttan Uçak Yapma Yarışması Problemi**
ŞAHİN N., ERASLAN A.
Eğitim, Bilim ve Teknoloji Araştırmaları Dergisi, vol.1, no.1, pp.34-44, 2016 (Peer-Reviewed Journal)
- V. **What do parents think about new elementary mathematics curriculum? Yeni ilköğretim matematik programı hakkında öğrenci velileri ne düşünüyor?**
Eraslan A.
Milli Eğitim, no.189, pp.255-266, 2011 (Scopus)
- VI. **Yeni ilköğretim matematik programı hakkında öğrenci velileri ne düşünüyor**
ERASLAN A.
Milli Eğitim-Eğitim ve Sosyal Bilimler Dergisi, vol.189, no.1, pp.255-266, 2011 (Scopus)
- VII. **İlköğretim Matematik Öğretmen Adaylarının Model Oluşturma Etkinlikleri ve Bunların Matematik Öğrenimine Etkisi Hakkındaki Görüşleri**
ERASLAN A.
İlköğretim Online, vol.10, no.1, pp.364-377, 2011 (Peer-Reviewed Journal)
- VIII. **Bir Matematiksel Modelleme Etkinliği Büyük Ayak Problemi**
ERASLAN A.
Eğitimci- Öğretmen Dergisi, vol.6, no.1, pp.25-27, 2011 (Peer-Reviewed Journal)
- IX. **Bir Model Oluşturma Etkinliği Voleybol Problemi**
ERASLAN A.

Eğitimci- Öğretmen Dergisi, vol.16, no.1, pp.6-9, 2010 (Peer-Reviewed Journal)

- X. **Finlandiya nın PISA daki Başarısının Nedenleri Türkiye için Alınacak Dersler**
ERASLAN A.
Necatibey Eğitim Fakültesi Elektronik Fen ve Matematik Eğitimi Dergisi, vol.3, no.2, pp.238-248, 2009 (Peer-Reviewed Journal)
- XI. **İlköğretim Matematik Öğretmen Adaylarının Öğretmenlik Uygulaması Üzerine Görüşleri**
ERASLAN A.
Necatibey Eğitim Fakültesi Elektronik Fen ve Matematik Eğitimi Dergisi, vol.3, no.1, pp.208-221, 2009 (Peer-Reviewed Journal)
- XII. **The notion of Reducing Abstraction in Quadratic Functions International Journal of Mathematical Education in Science and Technology**
ERASLAN A.
International Journal of Mathematical Education in Science and Technology,, vol.39, no.8, pp.1051-1060, 2008 (Peer-Reviewed Journal)
- XIII. **The notion of reducing abstraction in quadratic functions**
Eraslan A.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.39, no.8, pp.1051-1060, 2008 (ESCI)
- XIV. **The notion of compartmentalization: the case of Richard**
Eraslan A.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.38, no.8, pp.1065-1073, 2007 (ESCI)
- XV. **Quadratic Functions Students Graphic andAnalytic Representations**
ERASLAN A., aspinwall I.
Mathematics Teacher, vol.101, no.3, pp.233-237, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **İlkokul ve Ortaokulda Etkinlik Örnekleriyle Matematiksel Modelleme**
ERASLAN A., ŞAHİN N.
pegem akademi, Ankara, 2023
- II. **21. YÜZYIL BECERİLERİ, PİSA VE MATEMATİKSEL MODELLEME**
ERASLAN A., TAŞKAYA ALİM H. N.
in: EĞİTİM Bilimleri Alanında Uluslararası Araştırma ve Değerlendirmeler, PROF. DR. ERDAL BAY, Editor, Serüven yayınevi, Ankara, pp.177-192, 2023
- III. **Yapılandırmacı Öğrenme Yaklaşımı Işığında Ders Kitabı Hazırlama**
ERASLAN A., ŞAHİN N.
in: Ders Kitabı İncelemesi, Demirel, Ö. ve Kiroğlu, Editor, Pegem akademik, Ankara, pp.269-281, 2020
- IV. **Challenges of 4th-year Middle-School Students in the Process of Mathematical Modeling: Summer Job Problem**
ŞAHİN N., ERASLAN A.
in: Research Highlights in Education and Science 2016, Wu, W., Alan, S., & Hebebcı, M.T, Editor, ISRES Publishing, IA, pp.103-111, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Sosyo-Ekonomik Seviyesi Düşük Ortaokul Üçüncü Sınıf Öğrencilerinin Matematiksel Model Becerilerinin İncelenmesi,**
ERASLAN A., Tuncer H. B.

XIII. INTERNATIONAL CONFERENCE ON SOCIAL RESEARCH AND BEHAVIORAL SCIENCES, Antalya, Turkey, 24 March 2023

II. INVESTIGATION OF THE MATHEMATICAL MODELING PROCESSES OF FIRST AND FOURTH GRADES STUDENTS OF MIDDLE SCHOOL

Aydoğan M., ERASLAN A.

6th International Congress On Life, Social, and Health Sciences in a Changing World, İstanbul, Turkey, 2 - 04 July 2022

III. Examining of Mathematical Model Skills of Low Socio-Economic Middle School Senior Students,
ORAL N., ERASLAN A.

9. International İstanbul Scientific Research Congress, Turkey, 14 - 16 May 2022

IV. Examining Middle School Students' Modeling Potantial WhileWorking on the Taxi Problem

ŞAHİN N., ERASLAN A.

International Conference on Education, Teaching Learning, Paris, France, 5 - 07 July 2018, vol.1

V. Mathematical Modeling and Representations of Primary School Students: The Playground Problem

ŞAHİN N., ERASLAN A.

International Conference on Education, Teaching Learning, 5 - 07 July 2018, vol.1, pp.1-5

VI. Different Mathematical Models Developed by Primary Students: Kids Volleyball Tournament Problem.

ŞAHİN N., ERASLAN A.

International Conference on Research in Education and Science, MARMARİS, Turkey, 28 April - 01 May 2018, vol.1, pp.21

VII. Problems with Primary School Children During Group Work: Modeling Activities.

ŞAHİN N., ERASLAN A.

International Conference on Education in Mathematics, Science Technology, MARMARİS, Turkey, 28 April - 01 May 2018, vol.1, pp.8

VIII. How Should the Learning Environment be in the Application of Modeling Activities in Primary School?

ŞAHİN N., ERASLAN A.

International Conference on Research in Education and Science, MARMARİS, Turkey, 28 April - 01 May 2018, vol.1, pp.22

IX. Primary 4th Grade Students Making Mathematical Modeling: The Famous Bafra Ice Cream Problem.

ŞAHİN N., ERASLAN A.

İnternational Conference on Education in Mathematics, Science Technology, MARMARİS, Turkey, 28 April - 01 May 2018, vol.1, pp.7

X. Revealing Primary School Children'xxs Mathematical Modeling Potential: Hairdresser Salon Problem

ŞAHİN N., ERASLAN A.

The 9th annual International Conference on Education and New Learning, 3 - 05 June 2017

XI. Modeling Experinces of Middle-School Students: Holiday Problem

ŞAHİN N., ERASLAN A.

International Conference on Education in Mathematics, Science Technology (ICEMST), Aydın, Turkey, 18 - 21 May 2017, vol.1, pp.68-69

XII. FIRST-YEAR-MIDDLE SCHOOL STUDENTS' MODELING PROCESSES: TAXI PROBLEM

ŞAHİN N., ERASLAN A.

International Conference on Education in Mathematics, Science Technology (ICEMST), Aydın, Turkey, 18 - 21 May 2017, vol.1, pp.46

XIII. Different Mathematical Models For Third-Year Middle-School Students: Holiday Problem

ŞAHİN N., ERASLAN A.

26th International Conference on Educational Sciences, Antalya, Turkey, 20 - 23 April 2017

XIV. ASSESSMENT OF PRIMARY 4TH-GRADE STUDENTS' COGNITIVE MODELING COMPETENCIES : MUSIC COURSE PROBLEM

Sahin N., Eraslan A.

9th International Conference on Education and New Learning Technologies (EDULEARN), Barcelona, Spain, 3 - 05 July 2017, pp.7501

- XV. **REVEALING PRIMARY SCHOOL CHILDREN'S MATHEMATICAL MODELING POTENTIAL: HAIRDRESSER SALON PROBLEM**

Sahin N., Eraslan A.

9th International Conference on Education and New Learning Technologies (EDULEARN), Barcelona, Spain, 3 - 05 July 2017, pp.7532-7535

- XVI. **Middle School Students Modeling Experiences A Paper Plane Contest Problem**

ŞAHİN N., ERASLAN A.

. International Conference on Education in Mathematics, Science & Technology (ICEMST), Muğla, Turkey, 19 - 22 May 2016, vol.1, pp.1152

- XVII. **Primary Fourth Grade Students Perceptions About Model Eliciting Activities and Modeling Processes**

ŞAHİN N., ERASLAN A.

International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 19 - 22 May 2016

- XVIII. **4th Year Primary School Children Developing Different Models**

ŞAHİN N., ERASLAN A.

International Conference on Education in Mathematics, Science & Technology (ICEMST, Muğla, Turkey, 19 - 22 May 2016

- XIX. **What 4th Year Primary School Students Are Thinking A Paper Airplane Problem**

ŞAHİN N., ERASLAN A.

18th International Conference on Psychology, Psychiatry, Neurological, Behavioral and Cognitive Sciences (ICPPNBCS), Barcelona, Spain, 14 - 15 February 2016

- XX. **Middle School Students Modeling Processes Summer Reading**

ŞAHİN N., ERASLAN A.

International Conference on Education in Mathematics, Science & Technology (ICEMST, 23 - 26 April 2015

- XXI. **A Model Eliciting Problem Aircraft Boarding Problem**

ŞAHİN N., ERASLAN A.

International Conference on Education in Mathematics, Science & Technology (ICEMST, 23 - 26 April 2015

- XXII. **Modeling in the Middle School Eighth Grade Students Construction of the Summer Job Problem**

ŞAHİN N., ERASLAN A.

XIII International Conference on Education and Pedagogy (ICEP), 13 - 14 April 2015

- XXIII. **Primary School Students Modeling Processes Crime Problem**

ŞAHİN N., ERASLAN A.

XIII International Conference on Education and Pedagogy (ICEP), 13 - 14 April 2015

- XXIV. **Primary 4th Grade Students' Thought Process on a Model Eliciting Problem**

ERASLAN A., ŞAHİN N.

International Symposium on Education and Psychology Fall Sessions (ISEP 2014 Fall Sessions), Tokyo, Japan, 12 - 14 November 2014

- XXV. **MATHEMATICAL MODELING IN THE MIDDLE SCHOOL: STUDENTS' MODELING PROCESSES**

Eraslan A.

35th Annual Conference of the International-Group-for-the-Psychology-of-Mathematics-Education (PME), Ankara, Turkey, 10 - 15 July 2011, pp.291

- XXVI. **Mathematics Modeling and Movement (Grade 7-9): Using Calculators and CBRs to collect data on toys car and pendulums**

ERASLAN A.

Teaching Mathematics for Understanding, Corvallis, United States Of America, 12 - 14 October 2001

- XXVII. **Mathematics Curriculum in Japan and USA (Junior High School)**

ERASLAN A.

Teaching Mathematics for Understanding, Corvallis, United States Of America, 12 - 14 October 2001

Supported Projects

Eraslan A., Project Supported by Higher Education Institutions, 9th annual International Conference on Education and New Learning Technologies, 2017 - 2023

Eraslan A., Project Supported by Higher Education Institutions, ICE18France Conference : International Conference on Education, Teaching & Learning: Paris, France. July 5 - 7, 2018 - 2019

Eraslan A., Project Supported by Higher Education Institutions, Ortaokul 8.Sınıf Öğrencilerinin Performans Seviyelerine Göre Matematiksel Modelleme Süreçlerinin İncelenmesi, 2018 - 2019

Eraslan A., Project Supported by Higher Education Institutions, İlkokul 4. Sınıf Öğrencilerinin Matematiksel Modelleme Yeterliliklerinin Belirlenmesi ve Değerlendirilmesi*, 2017 - 2019

Eraslan A., Project Supported by Higher Education Institutions, 18th International Conference on Psychology, Psychiatry, Neurological, Behavioral and Cognitive Sciences (ICPPNBCS 2016), 2016 - 2016

Eraslan A., Project Supported by Higher Education Institutions, ICEP 2015: XIII International Conference on Education and Pedagogy, 2015 - 2015

Eraslan A., Project Supported by Higher Education Institutions, ISEP2014: 2014 International Symposium on Education and Psychology, 2014 - 2015

Eraslan A., Project Supported by Higher Education Institutions, İlkokul 4. Sınıf Öğrencilerinin Model Oluşturma Etkinlikleri Üzerindeki Düşünme Süreçleri ve Karşılaşılan Güçlükler, 2013 - 2014

Eraslan A., Project Supported by Higher Education Institutions, ?SAMSUN MATEMATİK UYGULAMALARI YAZ KAMPI (SAMUYAK):MODEL OLUŞTURMA ETKİNLİKLERİ?, 2013 - 2013