Res. Asst. PhD NAZLI AKAR KARAKAŞ

Personal Information

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International Researcher IDs
ScholarID: tu_c1eQAAAAJ
ORCID: 0000-0002-1356-2681
Publons / Web Of Science ResearcherID: C-9378-2018
ScopusID: 57202024502
Yoksis Researcher ID: 230529

Education

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2018 - 2024
Postgraduate, Balikesir University, Fen Bilimleri Enstitüsü, Turkey 2015 - 2018
Undergraduate, Akdeniz University, Faculty Of Education, Turkey 2010 - 2014

Foreign Languages

English

Dissertations

Doctorate, Development of preservice middle school mathematics teachers' reasoning about distribution, Middle East Technical University, Graduate School Of Natural And Applied Sciences, 2024
Postgraduate, İlköğretim matematik öğretmen adaylarının grafiklere ilişkin alan bilgilerinin antropolojik açıdan incelenmesi, Balikesir University, 2018

Research Areas

Avesis Research Areas: Teacher Training For Elementary Sch. Edu. in Mathematics
WoS Research Areas: Social Sciences (Soc)
Scopus Research Areas: Education

Academic Positions

Research Assistant PhD, Manisa Celal Bayar University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi, 2015 - Present
Research Assistant, Middle East Technical University, Faculty Of Education, Mathematics And Science Education, 2019 - 2024
Research Assistant, Balikesir University, 2016 - 2018

Courses

Undergraduate
MATHEMATICS TEXTBOOK REVIEW, Undergraduate, 2024 - 2025
MATHEMATICS TEACHING II, Undergraduate, 2024 - 2025
Logical Reasoning, Undergraduate, 2025 - 2026, 2024 - 2025
PRACTICE OF TEACHING II, Undergraduate, 2024 - 2025
Developing Activities in Mathematics Education, Undergraduate, 2025 - 2026
Mathematics Teaching I, Undergraduate, 2025 - 2026, 2024 - 2025
Practice of Teaching I, Undergraduate, 2025 - 2026, 2024 - 2025
Teaching of Numbers, Undergraduate, 2024 - 2025
MATEMATİK ÖĞRETİMİNDE KAVRAM YANILGILARI, Undergraduate, 2024 - 2025

Articles

I. **Nurturing Preservice Mathematics Teachers' Reasoning about Measures of Central Tendency and Variability**
AKAR KARAKAŞ N., IŞIKSAL BOSTAN M.
Journal of Experimental Education, vol.93, no.3, pp.478-501, 2025 (SSCI, Scopus)

II. **The didactic transposition of quadrilaterals: the case of 5th grade in Turkey**
AKAR N., ISIKSAL BOSTAN M.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.55, no.3, pp.628-649, 2022 (ESCI, Scopus)

III. **The investigation of process of teaching function concept in an Adidactic learning environment**
DİKKARTIN ÖVEZ F. T., AKAR N.
Pegem Egitim ve Ogretim Dergisi, vol.8, no.3, pp.469-502, 2018 (Scopus, TRDizin)

IV. **Anthropological analysis of content knowledge of pre-service elementary mathematics teachers on graphs**
DİKKARTIN ÖVEZ F. T., AKAR N.
EDUCATIONAL RESEARCH AND REVIEWS, vol.13, no.18, pp.281-306, 2018 (Peer-Reviewed Journal)

V. **An Anthropological Analysis of the Knowledge on Graphics within Middle School Mathematics**
AKAR N., DİKKARTIN ÖVEZ F. T.
JOURNAL OF EDUCATION AND FUTURE-EGITIM VE GELECEK DERGISI, vol.9, no.13, pp.95-119, 2018 (TRDizin)

Books

I. **Matematiksel Akıl Yürütme**
AKAR KARAKAŞ N.
in: ORTAOKUL MATEMATİK EĞİTİMİNDE GÜNCEL YAKLAŞIMLAR: ARAŞTIRMALAR, UYGULAMALAR VE DİSİPLİNLERARASI PERSPEKTİFLER, DİKKARTIN ÖVEZ FİLİZ TUBA, Editor, LIVRE DE LYON, Lyon, pp.15-40, 2025

II. **İzometrik ve Ortografik Çizimler**
Şahin H. B., Akar N., Fidan Ü.
in: Matematiksel Kavramlar ve Uygulamaları, Aysun Nüket ELÇİ, Esra BUKOVA GÜZEL, Berna CANTÜRK GÜNHAN, Emre EV ÇİMEN, Editor, PEGEM, Ankara, pp.605-616, 2016

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Preservice mathematics teachers' reasoning about data analysis: Balloon activity**
AKAR N., ISIKSAL BOSTAN M.
13TH CONGRESS OF THE EUROPEAN SOCIETY FOR RESEARCH IN MATHEMATICS EDUCATION (CERME-13),

Budapest, Hungary, 10 - 14 July 2023, (Full Text)

II. **PRESERVICE MIDDLE SCHOOL MATHEMATICS TEACHERS' STATISTICAL REASONING ABOUT DISTRIBUTION**
AKAR N., ISIKSAL BOSTAN M.
Psychology of Mathematics Education (PME), Khon Kaen, Thailand, 19 July - 22 June 2021, (Summary Text)

III. **THE KNOWLEDGE TO BE TAUGHT: A NOVICE MATHEMATICS TEACHER PLANS TO TEACH QUADRILATERALS IN 5TH GRADE**
AKAR N., ISIKSAL BOSTAN M.
International Congress on Mathematical Education (ICME-14), Shanghai, China, 11 July - 18 June 2021, (Full Text)

IV. **ÖĞRETMEN EĞİTİMİNDE YAŞAM BOYU ÖĞRENME ARAŞTIRMALARI**
AKAR N.
ULUSLARARASI NECATİBEY EĞİTİM VE SOSYALBİLİMLER ARAŞTIRMALARI KONGRESİ (UNESAK 2018), Balıkesir, Turkey, 26 - 28 October 2018, vol.4, pp.368-385, (Full Text)

V. **ANTHROPOLOGICAL ANALYSIS OF GRAPHIC CONTENT KNOWLEDGE PRE-SERVICE ELEMENTARY MATHEMATICS TEACHERS**
AKAR N., DİKKARTIN ÖVEZ F. T.
International Conference on New Horizons (INTE 2017), Berlin, Germany, 17 - 19 July 2017, vol.1, pp.437, (Summary Text)

VI. **Adidaktik Bir Öğrenme Ortamında Fonksiyon Kavramının Öğretimi**
DİKKARTIN ÖVEZ F. T., AKAR N.
25. ULUSAL EĞİTİM BİLİMLERİ KONGRESİ, Antalya, Turkey, 21 - 24 April 2016, (Summary Text)

Funded Projects

AKAR KARAKAŞ N., DİKKARTIN ÖVEZ F. T., Project Supported by Higher Education Institutions, İlköğretim Matematik Öğretmen Adaylarının Grafikleri Algılama Biçimlerinin Antropolojik Didaktik Teorisine Göre İncelenmesi, 2017 - 2019

Metrics

Publication: 13
Citation (WoS): 3
Citation (Scopus): 4
H-Index (WoS): 1
H-Index (Scopus): 2

Non Academic Experience

MİLLİ EĞİTİM BAKANLIĞI, Matematik Öğretmeni