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Education Information

Doctorate, Dokuz Eylul University, Eğitim Bilimleri Enstitüsü, Turkey 2016 - 2021

Postgraduate, Dokuz Eylul University, Buca Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2012 - 2015

Undergraduate, Dokuz Eylul University, Buca Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2008 - 2012

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, Çocuklar için Felsefe Eğitimi, İstanbul Üniversitesi, 2021

Dissertations

Doctorate, MODELLEMEDEN FETEMM'E: ÖĞRETİM UYGULAMALARININ FEN BİLİMLERİ ÖĞRETMEN ADAYLARININ ÜST DÜZEY BİLİMSEL DÜŞÜNME BECERİLERİNE VE ALTERNATİF YAKLAŞIMLARA DAYALI BİLİMİN DOĞASI ANLAYIŞLARINA ETKİSİ, Dokuz Eylul University, Eğitim Bilimleri Enstitüsü, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2021

Postgraduate, 7. sınıf 'xx'xxKuvvet ve Hareket'xx'xx ünitesinde argümantasyona dayalı öğrenme etkinliklerinin öğrencilerin kavramsal anlamalarına ve düşünme dostu sınıf ortamı oluşturmaya etkisi, Dokuz Eylul University, Buca Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2015

Research Areas

Teacher Training in Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi, 2014 - Continues

Research Assistant, Dokuz Eylul University, Buca Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2015 - 2021

Research Assistant, Kocaeli University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Understanding design education with a bibliometric approach: a story of 50 years**
Delen İ., Özüdoğru F., Demir K., Buber A., Erdogmus Y. K., Demir E. B. K., ÜNAL ÇOBAN G., AKPINAR E.
Research in Engineering Design, vol.35, no.1, pp.97-113, 2024 (SCI-Expanded)
- II. **The Development of Nature of Science Understandings Questionnaire within Associated Approaches**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
SCIENCE & EDUCATION, vol.32, no.4, pp.1075-1137, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Science and values: Pythagorean Cup of Justice activity**
BÜBER A.
SCIENCE ACTIVITIES-PROJECTS AND CURRICULUM IDEAS IN STEM CLASSROOMS, no.1, pp.44-55, 2024 (ESCI)
- II. **The Effects of Inquiry Practices with "Discrepant Events" on Pre-Service Science Teachers' Conceptual Understandings, Inquiry Skills, and Understanding of Scientific Knowledge**
DOĞAN Ş., AKTER B. A., büber A., ÇOBAN G. Ü.
Ankara Üniversitesi Eğitim Bilimleri Fakültesi Dergisi, vol.56, no.1, pp.334-412, 2023 (Peer-Reviewed Journal)
- III. **The Effect of TPACK-Based Argumentation Training on Understanding About Scientific Knowledge**
KOCAGÜL M., ÜNAL ÇOBAN G., BÜBER KILINÇ A., ÖZCAN E.
Educational academic research (Online), vol.47, 2022 (Peer-Reviewed Journal)
- IV. **From modeling to STEM: a predictor activity of volcanic eruption.**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
SCIENCE ACTIVITIES CLASSROOM PROJECTS AND CURRICULUM IDEAS, vol.5, no.7, pp.111-121, 2020 (ESCI)
- V. **Revisiting the "unmixing experiment" through argumentation**
ÜNAL ÇOBAN G., BÜBER KILINÇ A., KOCAGÜL SAĞLAM M.
Physics Education, vol.52, no.5, pp.1-7, 2017 (Peer-Reviewed Journal)
- VI. **The Effects of Learning Activities Based on Argumentation on Conceptual Understanding of 7th Graders about ?Force and Motion? Unit and Establishing Thinking Friendly Classroom Environment"**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
European Journal of Educational Research, vol.6, no.3, pp.367-384, 2017 (Peer-Reviewed Journal)
- VII. **STEM project-based activity: bio-efficacy of microalgae**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
SCIENCE ACTIVITIES-PROJECTS AND CURRICULUM IDEAS IN STEM CLASSROOMS, vol.60, no.2, pp.71-89, 1 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Written Argument Quality of Pre-Service Classroom Teacher in the Modeling-based Argumentation Activity**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
3rd International Congress of Education Research (ICER), İzmir, Turkey, 17 November 2021
- II. **Tasarımın İlerlemesi ve Pedagojisi (P2D): Öğretmen Eğitimi Programlarında Tasarım Temelli Pedagojinin Kavramsallaştırılması**
DEMİR K., DELEN İ., ÜNAL ÇOBAN G., AKPINAR E., ÖZÜDOĞRU F., KUZU DEMİR E. B., BÜBER KILINÇ A.

8. Uluslararası Öğretim Teknolojileri ve Öğretmen Eğitimi Sempozyumu (ITTES 2021), Trabzon, Turkey, 17 - 19 November 2021
- III. **Classroom Teachers' Views on Technology-Assisted Modeling Applications: The Covid-19 Example**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
3rd International Congress of Education Research (ICER), İzmir, Turkey, 14 November 2021
- IV. **The Effects of Modeling Based STEM Education on Alternative Nature of Science Understandings of Pre-service Science Teachers**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
National Association for Research in Science Teaching (NARST), Virginia, United States Of America, 07 April 2021
- V. **THE ROLE OF EXPERIMENT STRUCTURE TO SUPPORT SCIENTIFIC MODELS AND ARGUMENTS.**
DELEN İ., BÜBER KILINÇ A., ÜNAL ÇOBAN G.
13th ESERA Conference, 27 - 30 August 2019
- VI. **THE EFFECTS OF ARGUMENT BASED DESIGN ACTIVITIES ON PRE-SERVICE SCIENCE TEACHERS'xx PHYSICS SELF EFFICACY AND ARGUMENTATION SKILL**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
13TH ESERA CONFERENCE, 26 - 30 August 2019
- VII. **Argument qualities of pre-service science teachers as indicator of their epistemological understandings**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
2nd REASON Interdisciplinary Spring School 2018, Munich, Germany, 05 March 2018
- VIII. **THE EFFECTS OF LEARNING ACTIVITIES BASED ON ARGUMENTATION ON CONCEPTUAL UNDERSTANDING OF 7TH GRADERS ABOUT "FORCE AND MOTION" UNIT AND ESTABLISHING THINKING FRIENDLY CLASSROOM ENVIRONMENT**
BÜBER KILINÇ A.
ESERA Summer School 2017, Cheske-Budejovice, Czech Republic, 27 June 2017
- IX. **Ortaokul Öğrencilerine Yönelik 'Yazılı Argüman Kalitesi Değerlendirme Rubriği' Geliştirme Çalışması**
BÜBER KILINÇ A., ÜNAL ÇOBAN G.
IIIrd INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS, Muğla, Turkey, 31 May 2016, pp.1083-1084
- X. **The Effect of Gender and Socio economic Status of Students on Their Physics Conceptual Knowledge Scientific Reasoning and Nature of Science Understanding**
ACAR Ö., BÜBER A., TOLA Z.
International Conference on New Horizons in Education, INTE 2014, France, 25 - 27 June 2014, vol.174, pp.2753-2756
- XI. **Fen Bilgisi Öğretmen Adaylarının Algılanan Problem Çözme Becerileri ve Zeka Türleri Arasındaki İlişki**
BÜBER KILINÇ A., BİLGİN A., TURAN H., YAĞCI Ç.
23. Ulusal Eğitim Bilimleri Kurultayı, Kocaeli, Turkey, 4 - 06 September 2014

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Publication: 20