

Prof. ERDİNÇ ÇAKIROĞLU

Personal Information

Office Phone: [+90 312 210 4090](tel:+903122104090)

Email: erdinc@metu.edu.tr

Web: <https://avesis.metu.edu.tr/erdinc>

International Researcher IDs

ScholarID: rmRAaccAAAAJ

ORCID: 0000-0003-1182-0752

Publons / Web Of Science ResearcherID: AAG-6295-2019

ScopusID: 23567756600

Yoksis Researcher ID: 109032

Education Information

Doctorate, Indiana University Bloomington, Curriculum And Instruction, United States Of America 1996 - 2000

Postgraduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1992 - 1994

Undergraduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1987 - 1992

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Modules in pre-service training of mathematics teachers in probability and statistics, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 1994

Research Areas

Social Sciences and Humanities, Education, Elementary School Education, Teacher Training For Elementary Sch. Edu. in Mathematics

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2014 - Continues
Associate Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2009 - 2014

Assistant Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2003 - 2009

Lecturer, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2000 - 2003

Academic and Administrative Experience

Head of Department, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2020 - Continues

Fakülte Kurulu Üyesi, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2018 - Continues

Manager of Research and Application Center, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2015 - Continues

Middle East Technical University, Faculty of Education, 2013 - 2016

Courses

INSTRUCTIONAL TECHNOLOGY AND MATERIAL DEVELOPMENT, Undergraduate, 2020 - 2021, 2019 - 2020

SCHOOL EXPERIENCE, Undergraduate, 2019 - 2020

APPROACHES TO TEACHING AND LEARNING MATHEMATICS, Undergraduate, 2019 - 2020

EDUCATIONAL DESIGN RESEARCH, Doctorate, 2017 - 2018

Advising Theses

ÇAKIROĞLU E., Pre-service mathematics teachers' technology enhanced collective argumentation, Doctorate, M.KOL(Student), 2022

ÇAKIROĞLU E., Middle school mathematics teachers' views and experiences regarding technology integration, Postgraduate, A.AYSELİ(Student), 2022

ÇAKIROĞLU E., A phenomenological study on mathematics teachers having experience with innovative learning activities: Views, enablers, and barriers, Postgraduate, E.ERBASAN(Student), 2021

ÇAKIROĞLU E., Fostering prospective mathematics teachers' conceptions of definite integral in the context of engineering design activities: A design experiment, Doctorate, Ü.CANSU(Student), 2021

ÇAKIROĞLU E., The role of dynamic geometry software on mathematical creativity of pre-service mathematics teachers in geometry tasks, Postgraduate, Z.MELEK(Student), 2021

ÇAKIROĞLU E., Playing with mathematics in the arts studio: Students' visual-spatial thinking processes in the context of a studio thinking based-environment, Doctorate, M.KUŞ(Student), 2019

ÇAKIROĞLU E., A case study on middle grade mathematics teachers' use of questioning in teaching lines and angles, Doctorate, A.YILMAZ(Student), 2019

ÇAKIROĞLU E., Playing with mathematics in the arts studio: students' visual-spatial thinking processes in the context of a studio thinking based-environment, Doctorate, M.Kuş(Student), 2019

ÇAKIROĞLU E., A Case study on middle grade mathematics teachers' use of questioning in teaching lines and angles, Doctorate, A.Yılmaz(Student), 2018

ÇAKIROĞLU E., Fostering spatial abilities of seventh graders through augmented reality environment in mathematics education: A design study, Doctorate, B.ÖZÇAKIR(Student), 2017

ÇAKIROĞLU E., An Investigation of fifth grade students' behaviors and difficulties through multiple implementation of model eliciting activities, Postgraduate, E.Dedebaş(Student), 2017

ÇAKIROĞLU E., An investigation of fifth grade students' behaviors and difficulties through multiple implementation of model eliciting activities, Postgraduate, E.DEDEBAŞ(Student), 2017

ÇAKIROĞLU E., Developing prospective mathematics teachers' knowledge for teaching quadrilaterals through a video case-based learning environment, Doctorate, F.ULUSOY(Student), 2016

ÇAKIROĞLU E., Assessment in the 5th grade mathematics classrooms: A case study of the teachers' practices, Doctorate, N.UÇAR(Student), 2016

ÇAKIROĞLU E., Pre-service middle school mathematics teachers' proportional reasoning before and after a practice based instructional module /, Doctorate, M.PIŞKİN(Student), 2016

ÇAKIROĞLU E., Technological pedagogical content knowledge (TPACK) development of preservice middle school mathematics teachers in statistics teaching: A microteaching lesson study, Doctorate, G.KURT(Student), 2016

ÇAKIROĞLU E., Middle school mathematics teachers' sense of self-efficacy for teaching mathematics to fifth grade students, Postgraduate, E.ŞENER(Student), 2016

ÇAKIROĞLU E., Assessment in the 5th grade mathematics classrooms: a case study of the teachers' practices, Doctorate, N.Uçar(Student), 2016

ÇAKIROĞLU E., The Relationship among metacognition, reasoning ability, and mathematical problem solving performance of ninth grade students, Doctorate, Y.Özge(Student), 2015

ÇAKIROĞLU E., The relationship among metacognition, reasoning ability and mathematical problem solving performance of ninth grade students, Doctorate, Y.ÖZGE(Student), 2015

İŞIKSAL BOSTAN M., ÇAKIROĞLU E., Prospective teachers' self-efficacy for preparing and implementing worthwhile mathematical tasks, Doctorate, B.YÜREKLİ(Student), 2015

ÇAKIROĞLU E., Pre-service middle school mathematics teachers' understanding of quadrilaterals through the definitions and their relationships, Doctorate, S.ÖZTOPRAKÇI(Student), 2014

ÇAKIROĞLU E., The effects of teaching linear equations with dynamic mathematics software on seventh grade students' achievement, Postgraduate, R.DOKTOROĞLU(Student), 2013

ÇAKIROĞLU E., An investigation of pre-service elementary mathematics teachers' techno-pedagogical content knowledge within the context of their teaching practices, Doctorate, E.BALGALMIŞ(Student), 2013

ÇAKIROĞLU E., The Effects of mathematics instruction supported by dynamic geometry activities on seventh grade students' achievement in area of quadrilaterals, Postgraduate, B.Özçakır(Student), 2013

ÇAKIROĞLU E., BULUT S., Middle school mathematics teachers' problems in teaching transformational geometry and their suggestions for the solution of these problems, Postgraduate, S.İlaslan(Student), 2013

ÇAKIROĞLU E., Investigation of pre-service mathematics teachers' critical thinking processes through statistical and probabilistic knowledge in the context of popular media texts, Postgraduate, M.ÖZEN(Student), 2013

Çakıroğlu E., Çapa Aydın Y., Development of a test for assessing teachers' mathematical content knowledge for teaching geometric measurement at elementary grade level, Doctorate, Y.ESEN(Student), 2013

ÇAKIROĞLU E., AKYÜZ D., A phenomenological study on incorporating the history of mathematics into teaching from the perspective of primary and mathematics teachers, Postgraduate, S.SÖZEN(Student), 2013

ÇAKIROĞLU E., Ortaokul matematik öğretmenlerinin dönüşüm geometrisi öğretiminde yaşadıkları problemler ve bu sorunların çözümü için öneriler, Postgraduate, S.İLASLAN(Student), 2013

ÇAKIROĞLU E., The effects of mathematics instruction supported by dynamic geometry activities on seventh grade students achievement in area of quadrilaterals, Postgraduate, B.ÖZÇAKIR(Student), 2013

ÇAKIROĞLU E., An Investigation of pre-service elementary mathematics teachers' techno-pedagogical content knowledge within the context of their teaching practices, Doctorate, E.Balgalmış(Student), 2013

ÇAKIROĞLU E., The Effects of teaching linear equations with dynamic mathematics software on seventh grade students' achievement, Postgraduate, M.Özen(Student), 2013

ÇAKIROĞLU E., AKYÜZ D., Investigating the use of technology on pre-service elementary mathematics teachers' plane geometry problem solving strategies, Postgraduate, İ.KOYUNCU(Student), 2013

ÇAKIROĞLU E., Sixth grade students' perceptions of and engagement in ethnomathematical tasks in the area measurement concept, Postgraduate, H.EZGİ(Student), 2013

ÇAKIROĞLU E., ERBAŞ A. K., Middle school mathematics teachers' use of textbooks and integration of textbook tasks into practice: a mixed methods study, Doctorate, M.Özgeldi(Student), 2012

ÇAKIROĞLU E., Pre-service elementary mathematics teachers' knowledge about definitions of integers and their knowledge about elementary students' possible misconceptions and errors in describing integers, Postgraduate, A.KUBAR(Student), 2012

ÇAKIROĞLU E., Middle school mathematics teachers use of textbooks and integration of textbook tasks into practice: A mixed methods study, Doctorate, M.ÖZGELDİ(Student), 2012

ÇAKIROĞLU E., The effect of creative drama based instruction on seventh grade students' achievement in ratio and proportion concepts and attitude towards mathematics, Postgraduate, E.DEBRELİ(Student), 2011

ÇAKIROĞLU E., An investigation of mathematics achievement of eighth grade students with respect to their learning styles, Postgraduate, S.SERKAN(Student), 2011

ÇAKIROĞLU E., An elementary mathematics teacher's pedagogical reasoning in selecting learning activities, Doctorate, M.Çatak(Student), 2011

SUNGUR S., ÇAKIROĞLU E., A structural model on 7th grade students' motivational beliefs, use of self-regulation strategies, and mathematics achievement, Doctorate, F.KAYAN(Student), 2011

ÇAKIROĞLU E., An elementary mathematics teacher's pedagogical reasoning in selecting learning activities, Doctorate, M.ÇATAK(Student), 2011

ÇAKIROĞLU E., İŞIKSAL BOSTAN M., The effect of creative drama based instruction on seventh grade students' achievement in ratio and proportion concepts and attitudes toward mathematics, Postgraduate, E.Debreli(Student), 2011

İŞIKSAL BOSTAN M., ÇAKIROĞLU E., The relationships among preservice teachers' spatial visualization ability, geometry self-efficacy, and spatial anxiety, Postgraduate, Ö.DURSUN(Student), 2010

BULUT S., ÇAKIROĞLU E., Investigation of pre-service elementary mathematics teachers' self-efficacy beliefs about using concrete models in teaching mathematics, Postgraduate, M.PİŞKİN(Student), 2010

İŞIKSAL BOSTAN M., ÇAKIROĞLU E., The relationships among the preservice teachers' spatial visualization ability, geometry self-efficacy, and spatial anxiety, Postgraduate, Ö.Dursun(Student), 2010

HASER Ç., ÇAKIROĞLU E., Pre-service elementary mathematics teachers' self-regulated learning strategies within the context of their teaching practices, Doctorate, G.KURT(Student), 2010

ÇAKIROĞLU E., A study on sixth grade students' spatial reasoning regarding 2D representations of 3D objects, Postgraduate, Z.ERYAMAN(Student), 2009

ÇAKIROĞLU E., Teachers' perceived efficacy beliefs and perceptions regarding the implementation of the 2004 primary mathematics curriculum, Postgraduate, I.İŞLER(Student), 2008

ÇAKIROĞLU E., The effect of using dynamic geometry software while teaching by guided discovery on students' geometric thinking levels and achievement, Postgraduate, Z.GÜL(Student), 2008

ÇAKIROĞLU E., Preservice elementary mathematics teachers' efficacy beliefs about using manipulatives in teaching mathematics, Postgraduate, E.BAKKALOĞLU(Student), 2007

ÇAKIROĞLU E., Elementary school teachers' views about their implementation of the assessment techniques recommended in the new mathematics curriculum, Postgraduate, N.UÇAR(Student), 2007

ÇAKIROĞLU E., A study on preservice elementary mathematics teachers' mathematical problem solving beliefs, Postgraduate, F.KAYAN(Student), 2007

ÇAKIROĞLU E., Eighth grade students' skills in translating among different representations of algebraic concepts, Postgraduate, Ö.SERT(Student), 2007

ÇAKIROĞLU E., A study on pre-service elementary mathematics teachers' subject matter knowledge and pedagogical content knowledge regarding the multiplication and division of fractions, Doctorate, M.İŞIKSAL(Student), 2006

ÇAKIROĞLU E., A study on pattern of 6th grade elementary mathematics lesson, Postgraduate, O.DOĞAN(Student), 2006

ÇAKIROĞLU E., The effects of real data based and calculator supported statistics activities on 7th grade students' statistics performance and attitude toward statistics, Postgraduate, S.Yılmaz(Student), 2006

ÇAKIROĞLU E., Middle grade student's abilities in translating among representations of fractions, Postgraduate, G.KURT(Student), 2006

ÇAKIROĞLU E., Eighth grade students' perceptions related to their mathematics teacher's interpersonal behaviors, Postgraduate, M.ŞİMŞEKER(Student), 2005

ÇAKIROĞLU E., The effects of multiple representations-based instruction on seventh grade students' algebra performance, attitude towards mathematics, and representation preference., Doctorate, O.Çıkla(Student), 2004

ÇAKIROĞLU E., Teaching logarithm by guided discovery learning and real life applications, Postgraduate, Y.ÇETİN(Student), 2004

ÇAKIROĞLU E., Preservice teachers attitudes toward the use of manipulatives: The influence of field experience, Postgraduate, B.TUNCAY(Student), 2004

ÇAKIROĞLU E., The effects of multiple representations-based instruction on seventh grade students' algebra performance, attitude toward mathematics, and representation preference, Doctorate, O.AKKUŞ(Student), 2004

ÇAKIROĞLU E., The effects of real data based and calculator supported statistics activities on 7th grade students' statistics performance and attitude toward statistics, Postgraduate, S.YILMAZ(Student), 1996

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Mathematics in the informal setting of an art studio: students' visuospatial thinking processes in a studio thinking-based environment**
KUŞ M., ÇAKIROĞLU E.
Educational Studies in Mathematics, vol.110, no.3, pp.545-571, 2022 (SSCI)
- II. **Fostering spatial abilities of middle school students through augmented reality: Spatial strategies**
Ozcakir B., ÇAKIROĞLU E.
EDUCATION AND INFORMATION TECHNOLOGIES, vol.27, no.3, pp.2977-3010, 2022 (SSCI)
- III. **Exploring prospective teachers' noticing of students' understanding through micro-case videos**
ULUSOY F., ÇAKIROĞLU E.
JOURNAL OF MATHEMATICS TEACHER EDUCATION, vol.24, no.3, pp.253-282, 2021 (SSCI)
- IV. **Sources of preservice teachers' self-efficacy in the context of a mathematics teaching methods course**
Yurekli B., İŞIKSAL BOSTAN M., ÇAKIROĞLU E.
JOURNAL OF EDUCATION FOR TEACHING, vol.46, no.5, pp.631-645, 2020 (SSCI)
- V. **Using video cases and small-scale research projects to explore prospective mathematics teachers' noticing of student thinking**
Ulusoy F., Çakiroğlu E.
Eurasia Journal of Mathematics, Science and Technology Education, vol.14, 2018 (SCI-Expanded)
- VI. **The Development of Mathematical Achievement in Analytic Geometry of Grade-12 Students through GeoGebra Activities**
Khalil M., Farooq R. A., ÇAKIROĞLU E., Khalil U., Khan D. M.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.14, no.4, pp.1453-1463, 2018 (SSCI)
- VII. **Pre-service Teachers' Developing Conceptions about the Nature and Pedagogy of Mathematical Modeling in the Context of a Mathematical Modeling Course**
Çetinkaya B., Kertil M., Erbaş A. K., Korkmaz H., Alacacı C., Çakiroğlu E.
MATHEMATICAL THINKING AND LEARNING, vol.18, pp.287-314, 2016 (SSCI)
- VIII. **Developing a Structural Model on the Relationship among Motivational Beliefs, Self-Regulated Learning Strategies, and Achievement in Mathematics**
FADLELMULA F. K., ÇAKIROĞLU E., SUNGUR S.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.13, no.6, pp.1355-1375, 2015 (SSCI)
- IX. **INVESTIGATING PLANE GEOMETRY PROBLEM-SOLVING STRATEGIES OF PROSPECTIVE MATHEMATICS TEACHERS IN TECHNOLOGY AND PAPER-AND-PENCIL ENVIRONMENTS**
Koyuncu I., AKYÜZ D., ÇAKIROĞLU E.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.13, no.4, pp.837-862, 2015 (SSCI)
- X. **Matematik eğitiminde matematiksel modelleme Temel kavramlar ve farklı yaklaşımlar Mathematical modeling in mathematics education Basic concepts and different approaches**
Erbaş A. K., Kertil M., Çetinkaya B., Çakiroğlu E., Alacacı C., Baş S.
Kuram Ve Uygulamada Eğitim Bilimleri, vol.14, pp.1607-1627, 2014 (SSCI)
- XI. **Mathematical Modeling in Mathematics Education: Basic Concepts and Approaches**
ERBAŞ A. K., KERTİL M., ÇETİNKAYA B., ÇAKIROĞLU E., ALACACI C., Bas S.
KURAM VE UYGULAMADA EGİTİM BİLİMLERİ, vol.14, no.4, pp.1621-1627, 2014 (SSCI)
- XII. **Middle grade students' performances in translating among representations of fractions: A Turkish perspective**
Kurt G., ÇAKIROĞLU E.
LEARNING AND INDIVIDUAL DIFFERENCES, vol.19, no.4, pp.404-410, 2009 (SSCI)
- XIII. **Preservice Elementary Teachers' Attitudes and Self-efficacy Beliefs toward Mathematics**
ÇAKIROĞLU E., İSİKİSAL BOSTAN M.
EGİTİM VE BİLİM-EDUCATION AND SCIENCE, vol.34, no.151, pp.132-139, 2009 (SSCI)

- XIV. **Preservice elementary mathematics teachers' mathematical problem solving beliefs** İlköğretim matemati•k öğretmen adaylarının matemati•ksel problem çözmeye yöneli•k inançları
Kayan F., ÇAKIROĞLU E.
Hacettepe Eğitim Dergisi, no.35, pp.218-226, 2008 (SCI-Expanded)
- XV. **The teaching efficacy beliefs of pre-service teachers in the USA and Turkey**
Çakıroğlu E.
Journal of Education for Teaching, vol.34, pp.33-44, 2008 (SCI-Expanded)
- XVI. **PRESERVICE TEACHERS' KNOWLEDGE OF STUDENTS' COGNITIVE PROCESSES ABOUT THE DIVISION OF FRACTIONS**
İşıksal Bostan M., Çakıroğlu E.
HACETTEPE UNIVERSİTESİ EGİTİM FAKULTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.35, pp.175-185, 2008 (SSCI)
- XVII. **İlköğretim matematik öğretmen adaylarının matematiğe ve matematik öğretimine yönelik yeterlik algıları**
İşıksal Bostan M., Çakıroğlu E.
HACETTEPE UNIVERSİTESİ EGİTİM FAKULTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.31, pp.74-84, 2006 (SSCI)

Articles Published in Other Journals

- I. **Secondary mathematics teachers' noticing of students' mathematical thinking through modeling-based teacher investigations**
Bas-Ader S., ERBAŞ A. K., ÇETİNKAYA B., Alacaci C., ÇAKIROĞLU E.
MATHEMATICS EDUCATION RESEARCH JOURNAL, vol.35, pp.81-106, 2023 (ESCI)
- II. **Prospective mathematics teachers' Tpack development in graphical data displays: a microteaching lesson study**
Kurt G., ÇAKIROĞLU E.
International Journal of Mathematical Education in Science and Technology, 2023 (ESCI)
- III. **Fostering prospective mathematics teachers' proportional reasoning through a practice-based instruction**
Piskin Tunc M., Çakıroğlu E.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.53, no.2, pp.269-288, 2022 (ESCI)
- IV. **An augmented reality learning toolkit for fostering spatial ability in mathematics lesson: Design and development**
Ozcakir B., ÇAKIROĞLU E.
European Journal of Science and Mathematics Education, vol.9, no.4, pp.145-167, 2021 (Scopus)
- V. **Prospective mathematics teachers' critical thinking processes about scientific research: Newspaper article example**
Kus M., ÇAKIROĞLU E.
TURKISH JOURNAL OF EDUCATION, vol.9, no.1, pp.22-45, 2020 (ESCI)
- VI. **Exploring self-efficacy beliefs within the context of teaching mathematics with concretemodels**
Tunç M. P., Çakıroğlu E., Bulut S.
Elementary Education Online, vol.19, no.1, pp.100-117, 2020 (Scopus)
- VII. **Effects of Dynamic Geometry Activities on Seventh Graders' Achievement in Area of Quadrilaterals**
ÖZÇAKIR B., ÇAKIROĞLU E.
International Journal for Mathematics Teaching and Learning, vol.20, no.2, pp.257-271, 2019 (Peer-Reviewed Journal)
- VIII. **Effects of Dynamic Geometry Activities on Seventh Graders' Learning on Area of Quadrilaterals**
Özçakır B., Çakıroğlu E.

International Journal for Mathematics Teaching and Learning, vol.20, no.2, pp.257-271, 2019 (Peer-Reviewed Journal)

- IX. **An Inquiry into the Underlying Reasons for the Impact of Technology Enhanced Problem-Based Learning Activities on Students' Attitudes and Achievement**
Cetin Y., MİRASYEDİOĞLU Ş., Cakiroglu E.
EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, no.79, pp.191-208, 2019 (ESCI)
- X. **Mathematics teachers' knowledge and skills about questioning in the context of modeling activities**
Yenmez A. A., Erbaş A. K., Çakıroğlu E., Çetinkaya B., Alacacı C.
TEACHER DEVELOPMENT, vol.22, pp.497-518, 2018 (ESCI)
- XI. **Ortaokul 7. Sınıfta Dörtgenlerin Alan Bağıntılarını Oluşturma Sürecinde Dinamik Geometri Yazılımlarının Kullanılması**
ÖZÇAKIR B., ÇAKIROĞLU E.
Kırşehir Eğitim Fakültesi Dergisi, vol.18, pp.231-248, 2017 (Peer-Reviewed Journal)
- XII. **Prospective Teachers' Knowledge on Middle School Students' Possible Descriptions of Integers**
Kubar A., ÇAKIROĞLU E.
INTERNATIONAL JOURNAL OF EDUCATION IN MATHEMATICS SCIENCE AND TECHNOLOGY, vol.5, no.4, pp.279-294, 2017 (ESCI)
- XIII. **Ortaokul öğrencilerinin paralelkenarı ayırt etme biçimleri: Aşırı özelleme ve aşırı genelleme.**
ULUSOY F., ÇAKIROĞLU E.
Abant İzzet Baysal Üniversitesi Eğitim Fakültesi Dergisi, vol.17, pp.457-475, 2017 (Peer-Reviewed Journal)
- XIV. **A Study On Pre-Service Teachers' Spatial Visualization Ability and Spatial Anxiety**
Erkek Ö., Isıksal Bostan M., Çakıroğlu E.
KASTAMONU EĞİTİM DERGİSİ, vol.25, pp.33-50, 2017 (Peer-Reviewed Journal)
- XV. **Evolution of Mathematics Teachers' Pedagogical Knowledge when They are Teaching through Modeling**
Yenmez A. A., Erbaş A. K., Alacacı C., Çakıroğlu E., Çetinkaya B.
INTERNATIONAL JOURNAL OF EDUCATION IN MATHEMATICS SCIENCE AND TECHNOLOGY, vol.5, pp.317-332, 2017 (ESCI)
- XVI. **Developing teachers' models for assessing students' competence in mathematical modelling through lesson study**
Yenmez A. A., Erbaş A. K., Çakıroğlu E., Alacacı C., Çetinkaya B.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.48, pp.895-912, 2017 (ESCI)
- XVII. **Exploring prospective secondary mathematics teachers' interpretation of student thinking through analysing students' work in modelling**
Kabar M. G. D., Erbaş A. K., Çetinkaya B., Çakıroğlu E., Alacacı C.
MATHEMATICS EDUCATION RESEARCH JOURNAL, vol.28, pp.349-378, 2016 (ESCI)
- XVIII. **Öğrenci çalışmalarını incelemenin öğrenci düşünme şekillerini anlamadaki rolü ile ilgili matematik öğretmen adaylarının düşünceleri Pre service mathematics teachers views regarding the role of examining students work in understanding students ways of thinking**
DİDİŞ M. G., ERBAŞ A. K., ÇETİNKAYA B., ÇAKIROĞLU E., ALACACI C.
Turkish Journal of Computer and Mathematics Education, vol.6, no.2, pp.139-162, 2015 (Peer-Reviewed Journal)
- XIX. **Öğrenci çalışmalarını incelemenin öğrenci düşünme şekillerini anlamadaki rolü ile ilgili matematik öğretmen adaylarının düşünceleri**
Didiş M. G., Erbaş A. K., Çetinkaya B., Çakıroğlu E., Alacacı C.
Turkish Journal of Computer and Mathematics Education, vol.6, pp.139-162, 2015 (Peer-Reviewed Journal)
- XX. **Prospective secondary mathematics teachers interpretations of students thinking**
Didiş M. G., Erbaş A. K., Çetinkaya B., Çakıroğlu E.
RESEARCH IN MATHEMATICS EDUCATION, vol.16, pp.77-78, 2014 (Scopus)
- XXI. **In-service elementary mathematics teachers' conceptions of histogram and difficulties about its teaching Process İlköğretim matematik öğretmenlerinin histogram kavramına ilişkin kavrayışları ve**

bu kavramın öğretim sürecinde karşılaştıkları sorunlar

Ulusoy F., ÇAKIROĞLU E.

Elementary Education Online, vol.12, no.4, pp.1141-1156, 2013 (Scopus)

- XXII. **The nature of prospective mathematics teachers' pedagogical content knowledge: the case of multiplication of fractions**
Isıksal M., Çakıroğlu E.
JOURNAL OF MATHEMATICS TEACHER EDUCATION, vol.14, no.3, pp.213-230, 2011 (ESCI)
- XXIII. **Elementary Students' Scientific Epistemological Beliefs in Relation to Socio-Economic Status and Gender**
Ozkal K., Tekkaya C., SUNGUR S., ÇAKIROĞLU J., ÇAKIROĞLU E.
Journal of Science Teacher Education, vol.22, no.2, pp.115-127, 2011 (ESCI)
- XXIV. **Elementary Students' Scientific Epistemological Beliefs in Relation to Socio-Economic Status and Gender**
Özkal K., Öztekin C., Sungur S., Çakıroğlu J., Çakıroğlu E.
JOURNAL OF SCIENCE TEACHER EDUCATION, vol.21, no.7, pp.873-885, 2010 (ESCI)
- XXV. **Gender Differences Regarding Mathematics Achievement The Case of Turkish Middle School Students**
Isıksal Bostan M., Çakıroğlu E.
School Science and Mathematics, vol.108, pp.113-120, 2008 (ESCI)
- XXVI. **İlköğretim matematik öğretmen adaylarının epistemolojik kavramlamaları Üniversite ve sınıf düzeyinin etkisi**
Isıksal Bostan M., Kurt G., Doğan O., Çakıroğlu E.
İLKÖĞRETİM ONLİNE, vol.6, pp.313-321, 2007 (Peer-Reviewed Journal)
- XXVII. **Professional development through technology integrated problem solving From Intermath to T Math**
ERBAŞ A. K., ÇAKIROĞLU E., AYDIN U., BEŞER Ş.
The Mathematics Educator, vol.16, pp.35-46, 2006 (Peer-Reviewed Journal)
- XXVIII. **Pre-service mathematics teachers' efficacy beliefs toward mathematics and mathematics teaching**
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