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Personal Information

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Education Information

Doctorate, University of Georgia, College of Education, Mathematics Education, United States Of America 1999 - 2004
Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Turkey 1997 - 1999
Undergraduate Double Major, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 1995 - 1997
Undergraduate, Middle East Technical University, Faculty of Education, Turkey 1992 - 1997

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Teachers' Knowledge of Student Thinking and their Instructional Practices in Algebra, University Of Georgia, Mathematics Education, 2004
Postgraduate, An Investigation of students performances, difficulties and misconceptions in elementary algebra, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fen Bilimleri Eğitimi (Dr), 1999

Research Areas

Educational Technology, Teacher Training For Elementary Sch. Edu. in Mathematics, Education in Mathematics, Teacher Training, Teacher Training For Secondary School, Teacher Training in Science and Math. at Second. Sch. Lev.

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2015 - Continues
Associate Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2010 -

2015
Assistant Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2005 - 2010
Lecturer PhD, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2004 - 2005

Courses

Educational Statistics, Postgraduate, 2019 - 2020
Technology in Math Education, Postgraduate, 2018 - 2019
Special Studies, Postgraduate, 2019 - 2020, 2018 - 2019
Advanced Studies, Doctorate, 2019 - 2020, 2018 - 2019

Advising Theses

Erbaş A. K., Secondary mathematics teachers' subject matter knowledge of quadratic functions and its contribution to student learning outcomes, Doctorate, G.KARACI(Student), 2022
Erbaş A. K., MIDDLE AND HIGH SCHOOL MATHEMATICS TEACHERS' PERSPECTIVES ON THE USE OF 3D DIAGRAMS IN TEACHING GEOMETRY, Postgraduate, İ.YILDIZEL(Student), 2022
Erbaş A. K., Çakiroğlu E., Fostering prospective mathematics teachers' conceptions of definite integral in the context of engineering design activities, Doctorate, Ü.CANSU(Student), 2021
ERBAŞ A. K., Problem-solving processes of mathematically gifted and non-gifted students, Postgraduate, Y.SİPAHİ(Student), 2021
ERBAŞ A. K., Sixth and seventh-grade students' strategies in solving proportional problems supported with interactive simulations, Postgraduate, A.CANOĞULLARI(Student), 2021
Erbaş A. K., ÇETİNKAYA B., Towards defining biology teacher educator competencies: A delphi study, Doctorate, F.KOYUNCU(Student), 2020
Erbaş A. K., Prospective teachers' interpretation of multiplicative situations with fractions, Postgraduate, M.NUR(Student), 2019
Erbaş A. K., An analysis of the opportunities to learn afforded by the tasks in a ninth grade Turkish mathematics textbook, Postgraduate, İ.BAYRAKTAR(Student), 2019
ERBAŞ A. K., Exploring secondary mathematics teachers' conceptions of mathematical literacy, Doctorate, M.GENÇ(Student), 2017
ERBAŞ A. K., Mathematics in context: An ethnographic study with middle school students working as street-marketers, barbers, and bakers, Postgraduate, B.AYIK(Student), 2016
ERBAŞ A. K., Cognitive analysis of students' learning of trigonometry in dynamic geometry environment : a teaching experiment, Doctorate, Z.Şahin(Student), 2015
ERBAŞ A. K., Cognitive analysis of students' learning of trigonometry in dynamic geometry environment: A teaching experiment, Doctorate, Z.ŞAHİN(Student), 2015
ERBAŞ A. K., ÇETİNKAYA B., An Investigation of teachers' noticing of students' mathematical thinking in the context of a professional development program, Doctorate, S.Baş(Student), 2014
ERBAŞ A. K., An Investigation of pre-service mathematics teachers' mathematizing during a mathematical modeling task, Postgraduate, M.Kol(Student), 2014
ERBAŞ A. K., Students' intuitively-based misconceptions in probability: Teachers' awarenesses and teaching practices in middle and high schools, Doctorate, M.FATİH(Student), 2014
ERBAŞ A. K., Students' intuitively-based misconceptions in probability: teachers' awarenesses and teaching practices in middle and high schools, Doctorate, M.Fatih(Student), 2014
ERBAŞ A. K., An investigation of pre-service secondary mathematics teachers' knowledge of students' thinking through analyzing student work, Doctorate, M.GÖZDE(Student), 2014
ERBAŞ A. K., An Investigation of pre-service secondary mathematics teachers' knowledge of students' thinking through

analyzing student work, Doctorate, M.Gözde(Student), 2014
ERBAŞ A. K., Pre-service elementary mathematics teachers' understanding of derivative through a model development unit, Doctorate, M.KERTİL(Student), 2014
ERBAŞ A. K., An investigation of pre-service mathematics teachers' mathematizing during a mathematical modeling task, Postgraduate, M.KOL(Student), 2014
ERBAŞ A. K., An investigation of prospective secondary mathematics teachers' thinking about mathematical modeling and pedagogy of modeling throughout a modeling course, Doctorate, H.KORKMAZ(Student), 2014
ERBAŞ A. K., An Investigation of prospective secondary mathematics teachers' thinking about mathematical modeling and pedagogy of modeling throughout a modeling course, Doctorate, H.Korkmaz(Student), 2014
ERBAŞ A. K., ÇETİNKAYA B., An investigation of teachers' noticing of students' mathematical thinking in the context of a professional development program, Doctorate, S.BAŞ(Student), 2013
ERBAŞ A. K., Teacher learning in and from practice : A case of a secondary mathematics teacher, Doctorate, E.GÜL(Student), 2013
ERBAŞ A. K., KORKMAZ B., Teachers' knowledge of content and students about the function concept and its interrelation with student learning outcomes in vocational high schools, Doctorate, V.Hatisaru(Student), 2013
ERBAŞ A. K., Teacher learning in and from practice : the case of a secondary mathematics teacher, Doctorate, E.Gül(Student), 2013
ERBAŞ A. K., Assessment of preservice mathematics teachers' knowledge for teaching statistics, Doctorate, O.MERCİMEK(Student), 2013
ÇETİNKAYA B., ERBAŞ A. K., An investigation of prospective teachers' mathematical modelling processes and their views about factors affecting these processes, Doctorate, A.ŞEN(Student), 2013
ÇETİNKAYA B., ERBAŞ A. K., An Investigation of prospective teachers' mathematical modelling processes and their views about factors affecting these processes, Doctorate, A.Şen(Student), 2013
ERBAŞ A. K., Teachers' knowledge of content and students about the function concept and its interrelation with student learning outcomes in vocational high schools, Doctorate, V.HATISARU(Student), 2013
ERBAŞ A. K., The contribution of personality, motivation, academic risk-taking and metacognition to the creative ability in mathematics, Doctorate, S.BAŞ(Student), 2012
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
ERBAŞ A. K., YILDIRIM U., Physics teachers beliefs related to Turkish high school physics curriculum: A multiple case study, Doctorate, S.KAPUCU(Student), 2012
ERBAŞ A. K., An Investigation of in-service secondary mathematics teachers' evolving knowledge through professional development activities based on modeling perspective, Doctorate, A.Aydoğan(Student), 2012
ERBAŞ A. K., The Contribution of personality, motivation, academic risk-taking, and metacognition to the creative ability in mathematics, Doctorate, S.Baş(Student), 2012
ERBAŞ A. K., YILDIRIM U., Physics teachers' beliefs related to Turkish high school physics curriculum: a multiple case study, Doctorate, S.Kapucu(Student), 2012
ERBAŞ A. K., An investigation of in-service secondary mathematics teachers evolving knowledge through professional development activities based on modeling perspective, Doctorate, A.AYDOĞAN(Student), 2012
ÇETİNKAYA B., ERBAŞ A. K., Pre-service elementary mathematics teachers' views about using graphing calculators in elementary school algebra: the case of using Classpad, Postgraduate, M.Kaplan(Student), 2011
ERBAŞ A. K., ÇETİNKAYA B., Pre-service elementary mathematics teachers' views about using graphing calculators in elementary school algebra: The case of using classpad, Postgraduate, M.KAPLAN(Student), 2010
ERBAŞ A. K., A comparative analysis of perimeter, area and volume topics in the selected sixth, seventh and eighth grades mathematics textbooks from Turkey, Singapore and The United States, Postgraduate, S.ÖZDOĞAN(Student), 2010
ERBAŞ A. K., Students' strategies, episodes and metacognitions in the context of Pisa 2003 mathematical literacy items, Postgraduate, S.OKUR(Student), 2008
ERBAŞ A. K., Students' strategies, episodes and metacognitions in the context of pisa 2003 mathematical literacy items, Postgraduate, S.Okur(Student), 2008
ERBAŞ A. K., Students' learning of quadratic equations through use of interactive whiteboard and graphing software, Postgraduate, M.İNCE(Student), 2008

ERBAŞ A. K., Using technology in preventing and remedying seventh grade students' misconceptions in forming and solving linear equations, Postgraduate, G.EREK(Student), 2008
ERBAŞ A. K., The effects of computer based instruction on seventh grade students' spatial ability, attitudes toward geometry, mathematics and technology, Postgraduate, Ş.BOYRAZ(Student), 2008
ERBAŞ A. K., Effects of graphing calculators on eighth grade students' achievement in graphs of linear equations and concept of slope, Postgraduate, Y.ÖNÜR(Student), 2008
ERBAŞ A. K., The effect of dynamic geometry use together with open-ended explorations in sixth grade students' performances in polygons and similarity and congruency of polygons /, Postgraduate, A.AYDOĞAN(Student), 2007
ERBAŞ A. K., A survey of teachers' implementations of new elementary school mathematics curriculum in sixth grade, Postgraduate, M.Ulubay(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Students' use of dragging modalities in solving proportional problems supported with interactive simulations: a multiple case study with sixth and seventh-grade students**
Canogullari A., ERBAŞ A. K.
Interactive Learning Environments, 2024 (SSCI)

II. **Pre-service Mathematics Teachers' Understanding of Rate of Change Throughout a Model Development Sequence**
KERTİL M., ERBAŞ A. K., ÇETİNKAYA B.
International Journal of Science and Mathematics Education, vol.21, no.6, pp.1769-1796, 2023 (SSCI)

III. **Facilitating a Sustainable Transformation of Sociomathematical Norms Through Mathematical Modeling Activities**
Yenmez A. A., ERBAŞ A. K.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.21, no.3, pp.761-785, 2023 (SSCI)

IV. **Developing prospective teachers' covariational reasoning through a model development sequence**
Kertil M., Erbaş A. K., Çetinkaya B.
MATHEMATICAL THINKING AND LEARNING, vol.21, pp.207-233, 2019 (SSCI)

V. **Tracing Teacher Learning through Shifts in Discourses: The Case of a Mathematics Teacher**
Ilhan E. G. C., ERBAŞ A. K.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.13, no.6, pp.1919-1942, 2017 (SSCI)

VI. **Mathematical Knowledge for Teaching the Function Concept and Student Learning Outcomes**
Hatisaru V., ERBAŞ A. K.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.15, no.4, pp.703-722, 2017 (SSCI)

VII. **Understanding Prospective Teachers' Mathematical Modeling Processes in the Context of a Mathematical Modeling Course**
Sen Zeytun A., Çetinkaya B., Erbaş A. K.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.13, pp.691-722, 2017 (SSCI)

VIII. **Discourse Analysis of Interpersonal Meaning to Understand the Discrepancy between Teacher Knowing and Practice**
Ilhan E. G. C., ERBAŞ A. K.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.12, no.8, pp.2237-2251, 2016 (SSCI)

IX. **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., Çakıroğlu E.
MATHEMATICAL THINKING AND LEARNING, vol.18, pp.287-314, 2016 (SSCI)

X. **The Contribution of Personality Traits, Motivation, Academic Risk-Taking and Metacognition to the Creative Ability in Mathematics**

Erbaş A. K., Bas S.
CREATIVITY RESEARCH JOURNAL, vol.27, pp.299-307, 2015 (SSCI)

XI. **Performance and Difficulties of Students in Formulating and Solving Quadratic Equations with One Unknown**
KABAR M. G. D., ERBAŞ A. K.
EDUCATIONAL SCIENCES-THEORY & PRACTICE, vol.15, no.4, pp.1137-1150, 2015 (SSCI)

XII. **Learning Mathematics with Interactive Whiteboards and Computer-Based Graphing Utility**
Erbaş A. K., Ince M., Kaya S.
EDUCATIONAL TECHNOLOGY & SOCIETY, vol.18, no.2, pp.299-312, 2015 (SSCI)

XIII. **Relational Understanding of the Derivative Concept through Mathematical Modeling: A Case Study**
Sahin Z., Yenmez A. A., Erbaş A. K.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.11, pp.177-188, 2015 (SSCI)

XIV. **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., Çakıroğlu E., Alacacı C., Baş S.
Kuram Ve Uygulamada Egitim Bilimleri, vol.14, pp.1607-1627, 2014 (SSCI)

XV. **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 EGITIM BILIMLERI, vol.14, no.4, pp.1621-1627, 2014 (SSCI)

XVI. **An Evaluation of Environmental Responsibility and Its Associated Factors: Reflections from PISA 2006**
ERBAŞ A. K., TEKSÖZ G., Tekkaya C.
EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.12, no.46, pp.41-62, 2012 (SSCI)

XVII. **An Evaluation of Environmental Responsibility and Its Associated Factors: Reflections from PISA 2006**
ERBAŞ A. K., Teksoz G. T., Tekkaya C.
EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.12, no.46, pp.41-62, 2012 (SSCI)

XVIII. **A Comparison of Mathematics Textbooks from Turkey. Singapore, and the United States of America**
Erbaş A. K., Alacacı C., Bulut M.
KURAM VE UYGULAMADA EGITIM BILIMLERI, vol.12, no.3, pp.2324-2329, 2012 (SSCI)

XIX. **Researching students' strategies, episodes, and metacognitions in mathematical problem solving**
ERBAŞ A. K., Okur S.
QUALITY & QUANTITY, vol.46, no.1, pp.89-102, 2012 (SCI-Expanded)

XX. **The effect of inquiry-based explorations in a dynamic geometry environment on sixth grade students' achievements in polygons**
Erbaş A. K., Yenmez A. A.
COMPUTERS & EDUCATION, vol.57, pp.2462-2475, 2011 (SCI-Expanded)

XXI. **Psychometric Properties of the Turkish Adaptation of the Mathematics Teacher Efficacy Belief Instrument for In-Service Teachers**
Cetinkaya B., ERBAŞ A. K.
SPANISH JOURNAL OF PSYCHOLOGY, vol.14, no.2, pp.956-966, 2011 (SSCI)

XXII. **Teachers' Knowledge about Ninth Grade Students' Ways of Algebraic Thinking**
Bas S., ERBAŞ A. K., ÇETİNKAYA B.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.36, no.159, pp.41-55, 2011 (SSCI)

XXIII. **Mathematics Teachers' Covariational Reasoning Levels and Predictions about Students' Covariational Reasoning Abilities**
Sen Zeytun A., Çetinkaya B., Erbaş A. K.
KURAM VE UYGULAMADA EGITIM BILIMLERI, vol.10, no.3, pp.1601-1612, 2010 (SSCI)

XXIV. **Unpacking the inequality among Turkish schools: Findings from PISA 2006**
Alacaci C., Erbaş A. K.
INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT, vol.30, pp.182-192, 2010 (SSCI)

XXV. **Matematik öğretmenlerinin kovaryasyonel düşünme düzeyleri ve öğrencilerinin kovaryasyonel düşünme becerilerine ilişkin tahminleri Mathematics teachers covariational reasoning levels and their predictions about students covariational reasoning abilities**
ŞEN ZEYTUN A., ÇETİNKAYA B., ERBAŞ A. K.
Educational Sciences: Theory and Practice, vol.10, pp.1573-1612, 2010 (SSCI)

XXVI. **Student Difficulties and Misconceptions in Solving Simple Linear Equations**
Erbas A. K., Cetinkaya B., Ersoy Y.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.34, no.152, pp.44-59, 2009 (SSCI)

XXVII. **Effect of Dynamic Geometry Environment on Immediate and Retention Level Achievements of Seventh Grade Students**
UBUZ B., Ustun I., Erbas A. K.
EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.9, no.35, pp.147-164, 2009 (SSCI)

XXVIII. **The effect of a dynamic geometry environment on immediate and retention level achievements of seventh grade students**
UBUZ B., ÜSTÜN I., ERBAŞ A. K.
Egitim Arastirmalari-Eurasian Journal Of Educational Research, vol.35, pp.147-164, 2009 (SSCI)

XXIX. **GEOGRAPHICAL REGIONS AS A SILENT PREDICTOR OF RESPONSIBLE ENVIRONMENTAL BEHAVIOUR**
TEKSÖZ G., Tekkaya C., ERBAŞ A. K.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.2009, no.36, pp.249-259, 2009 (SSCI)

XXX. **Öğrencilerin Basit Doğrusal Denklemlerin Çözümünde Karşılaştıkları Güçlükler ve Kavram Yanılgıları Student Difficulties and Misconceptions in Solving Simple Linear Equations**
Erbaş A. K., Çetinkaya B., Ersoy Y.
Egitim Ve Bilim-Education And Science, vol.34, pp.44-59, 2009 (SSCI)

XXXI. **Implementation of the New Turkish Primary Education Mathematics Curriculum in the Sixth Grade: A Survey of Teachers' Views**
ERBAŞ A. K., Ulubay M.
NEW EDUCATIONAL REVIEW, vol.16, pp.51-75, 2008 (SSCI)

Articles Published in Other Journals

I. **Why do prospective teachers have difficulties in mathematical modelling? Insights from their perspectives**
Sen Zeytun A., Çetinkaya B., Erbaş A. K.
International Journal of Mathematical Education in Science and Technology, vol.55, no.1, pp.94-117, 2024 (ESCI)

II. **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)

III. **Seventh-grade students' understanding of risk and reward arising from mathematical modelling activities***
Tural-Sonmez M., ERBAŞ A. K.
International Journal of Mathematical Education in Science and Technology, 2023 (ESCI)

IV. **Students' intuitively-based (mis)conceptions in probability and teachers' awareness of them: the case of heuristics**
ERBAŞ A. K., Ocal M. F.
International Journal of Mathematical Education in Science and Technology, 2022 (ESCI)

V. **Pre-service secondary mathematics teachers' anticipation and identification of students' thinking in the context of modelling problems***

Kabar M. G. D., ERBAŞ A. K.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.52, no.2, pp.208-236, 2021 (ESCI)

VI. **Secondary mathematics teachers' conceptions of the barriers to the development of mathematical literacy**
Genç M., Erbaş A. K.
International Journal for Mathematics Teaching and Learning, vol.21, no.2, pp.143-173, 2020 (Peer-Reviewed Journal)

VII. **Secondary mathematics teachers' conceptions of mathematical literacy**
Genc M., ERBAŞ A. K.
International Journal of Education in Mathematics, Science and Technology, vol.7, no.3, pp.222-237, 2019 (ESCI)

VIII. **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)

IX. **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)

X. **Evolution of Mathematics Teachers' Pedagogical Knowledge when They are Teaching through Modeling**
Yenmez A. A., Erbaş A. K., Alacaci C., Çakıroğlu E., Çetinkaya B.
INTERNATIONAL JOURNAL OF EDUCATION IN MATHEMATICS SCIENCE AND TECHNOLOGY, vol.5, pp.317-332, 2017 (ESCI)

XI. **Validation of the mathematical knowledge for teaching statistics instrument**
Mercimek O., Erbaş A. K.
Cumhuriyet International Journal of Education, vol.6, pp.173-184, 2017 (Peer-Reviewed Journal)

XII. **Pre-service Elementary Mathematics Teachers' Ways of Thinking about Rate of Change in the Context of a Modeling Activity**
Kertil M., Erbaş A. K., Çetinkaya B.
Türk Bilgisayar ve Matematik Eğitimi Dergisi, vol.8, no.1, pp.188-217, 2017 (Peer-Reviewed Journal)

XIII. **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)

XIV. **Problem çözememe problemimiz ve matematiksel modelleme**
ERBAŞ A. K., ÇETİNKAYA B.
Türkiye Bilimler Akademisi (TÜBA)-Günce, no.51, pp.72-75, 2016 (Non Peer-Reviewed Journal)

XV. **Investigating prospective mathematics teachers' pedagogical approaches in response to students' errors in the context of mathematical modeling activities Matematik öğretmen adaylarının öğrenci hatalarına yönelik pedagojik yaklaşımlarının matematiksel modelleme etkinlikleri bağlamında incelenmesi**
Didiş M. G., Erbaş A. K., Çetinkaya B.
Elementary Education Online, vol.15, pp.1367-1384, 2016 (Scopus)

XVI. **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)

XVII. **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)

XVIII. **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)

XIX. **Endüstri meslek lisesi öğrencilerinin fonksiyon kavramını anlamadüzeylerinin incelenmesi**
Hatısaru V., ERBAŞ A. K.
Kastamonu Eğitim Dergisi, vol.21, no.3, pp.865-882, 2013 (Peer-Reviewed Journal)

XX. **Exploring the Quality of the Mathematical Tasks in the New Turkish Elementary School Mathematics Curriculum Guidebook the Case of Algebra**
Ubuz B., Erbaş A. K., Çetinkaya B., Özgeldi M.
ZDM - Mathematics Education, vol.42, pp.483-491, 2010 (Peer-Reviewed Journal)

XXI. **Reexamining Archimedes quadrature of the parabola with dynamic geometry**
ERBAŞ A. K.
Mathematics and Computer Education, vol.43, pp.165-180, 2009 (Peer-Reviewed Journal)

XXII. **What learner centered professional development looks like The pilot studies of the InterMath professional development project**
Orrill C. H., Brown S., Erbaş A. K., Galloway C., Glazer E., Lawler B., Umberger Patton S., Bleich L., Ledford S., Polly D.
The Mathematics Educator, vol.16, pp.4-13, 2006 (Peer-Reviewed Journal)

XXIII. **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)

XXIV. **Çoklu Gösterimlerle Problem Çözme ve Teknolojinin Rolü**
Erbaş A. K.
The Turkish Online Journal of Educational Technology, vol.4, pp.88-92, 2005 (Peer-Reviewed Journal)

XXV. **Kassel Projesi Cebir Testinde bir grup Türk Öğrencinin Genel Başarısı ve Öğrenme Güçlükleri**
Ersoy Y., Erbaş A. K.
İlköğretim-Online (Elementary Education Online), vol.4, pp.18-39, 2005 (Peer-Reviewed Journal)

XXVI. **Predicting turkish ninth grade students algebra performance**
ERBAŞ A. K.
Mathematics Educator, vol.15, pp.25-34, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Desirable features of mathematical tasks: Views of mathematics teacher educators**
Alacacı C., Çetinkaya B., Erbaş A. K.
in: Research Studies on Learning and Teaching of Mathematics, Cai Jinfa,Stylianides Gabriel J.,Kenney Patricia Ann, Editor, Springer, London/Berlin , Zürich, pp.131-155, 2023

II. **What type of tasks we use in a thinking classroom (Düşünen bir sınıfta ne tür görevler kullanabiliriz?)**
Erbaş A. K., Gökçe S., Aydoğan Yenmez A.
in: Building thinking classrooms in mathematics, grades K-12, 14 teaching practices for enhancing learning (Matematikle düşünen sınıflar, Okul öncesinden liseye, Öğrenmeyi destekleyici 14 öğretim uygulaması), P. Liljedahl, Editor, Anı Yayıncılık, Ankara, pp.21-42, 2022

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V. Ulusal Fen Bilimleri Eğitimi Kongresi, Ankara, Turkey, 16 - 18 September 2002, pp.225

XL. **İlköğretim okullarında cebir öğretimi Öğrenmede güçlükler ve öğrenci başarıları**
ERBAŞ A. K., ERSOY Y.
Cumhuriyetin 75. Yılında İlköğretim Sempozyumu, Ankara, Turkey, 27 - 21 November 1998, pp.171-179

Supported Projects

Erbaş A. K., TUBITAK Project, A Comparative Analysis of Turkish Singapore and American 6th and 7th Grades Mathematics Textbooks, 2008 - 2009
Erbaş A. K., Project Supported by Higher Education Institutions, T Math Teknoloji Destekli Matematik Öğretimi Ve Öğretmen Eğitimi, 2005 - 2007

Activities in Scientific Journals

Eurasian Journal of Educational Research (http://ejer.com.tr), Assistant Editor/Section Editor, 2016 - Continues
International Journal of Educational Studies in Mathematics, Committee Member, 2014 - Continues
Türk Bilgisayar ve Matematik Eğitimi Dergisi, Committee Member, 2015 - 2021

Memberships / Tasks in Scientific Organizations

Turkish Young Academy of Sciences, Member, 2019 - Continues, Turkey
Matematik Eğitimi Derneği, Member, 2013 - Continues, Turkey
Matematikçiler Derneği, Member, 2007 - Continues, Turkey

Tasks In Event Organizations

Erbaş A. K., IXth INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS, Scientific Congress, İzmir, Turkey, Haziran 2022
Erbaş A. K., International Pegem Conference on Education (IPCEDU-2021), Scientific Congress, Antalya, Turkey, Ekim 2021
Erbaş A. K., KARAMAN A. C., VIIIth INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS, Scientific Congress, Aksaray, Turkey, Temmuz 2021
Erbaş A. K., International Pegem Conference on Education (IPCEDU-2020), Scientific Congress, Turkey, Eylül 2020
Erbaş A. K., VIIth INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS, Scientific Congress, Eskişehir, Turkey, Eylül 2020
Erbaş A. K., 4th International Symposium of Turkish Computer and Mathematics Education, Scientific Congress, İzmir, Turkey, Eylül 2019
Erbaş A. K., Sungur S., Çakıroğlu J., VIth International Eurasian Educational Research Congress, Scientific Congress, Ankara, Turkey, Haziran 2019
Erbaş A. K., Vth International Eurasian Educational Research Congress, Scientific Congress, Antalya, Turkey, Mayıs 2018
Erbaş A. K., The 27th International Congress on Educational Sciences, Scientific Congress, Turkey, Nisan 2018

Metrics

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H-Index (Scopus): 13

Invited Talks

PISA Uluslararası Öğrenci Değerlendirme Programı, Seminar, Kto Karatay University, Turkey, May 2022
Using Technology for Learning Mathematics, Seminar, Alanya Alaaddin Keykubat University, Turkey, May 2021
Matematik Okuryazarlığı, Okuma Becerileri ve PISA, Conference, Ankara Üniversitesi, Turkey, June 2019
Matematik Eğitiminde Teknolojik Araçların Kullanımı, Workshop, Kanguru Türkiye, Turkey, April 2019

Awards

Erbaş A. K., Çetinkaya B., Çakıroğlu E., TÜBİTAK Proje Performans Ödülü (PPÖ), Türkiye Bilimsel Ve Teknolojik Araştırma Kurumu (Tübitak), November 2018
Erbaş A. K., Young Scientist Award Program (2012), Türkiye Bilimler Akademisi, June 2013
Erbaş A. K., Young researcher achievement award, Orta Doğu Teknik Üniversitesi, April 2009

Non Academic Experience

YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI