

Prof. MİNE İŞIKSAL BOSTAN

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey
2012 - 2006

Post Graduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey
2000 - 2002

Under Graduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü,
Turkey 1996 - 2000

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A study on pre-service elementary mathematics teachers' subject matter knowledge and pedagogical content knowledge regarding the multiplication and division of fractions, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2006

Post Graduate, The Effect of spreadsheet and dynamic geometry software on the mathematics achievement and mathematics self-efficacy of 7th grade students, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2002

Research Areas

Social Sciences and Humanities, Education, Elementary School Education, Teacher Training in Science and Math. at
Second. Sch. Lev.

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Education, 2017 - Continues

Associate Professor, Middle East Technical University, Faculty Of Education, 2011 - 2017

Assistant Professor, Middle East Technical University, Faculty Of Education, 2009 - 2011

Courses

community service, Under Graduate, 2018 - 2019

Advising Theses

Işıkşal Bostan M., AN INVESTIGATION OF 7TH GRADE STUDENTS' LEVEL OF UNDERSTANDING IN THE STATISTICAL INVESTIGATION PROCESS, Post Graduate, Ö.ÖZ(Student), 2019

Işıkşal Bostan M., An investigation of prospective middle school mathematics teachers' argumentation, proof, and geometric construction processes in the context of cognitive unity, Doctorate, E.DEMİRAY(Student), 2019

Işıkşal Bostan M., Investigation into prospective middle school mathematics teachers' noticing of students' algebraic thinking within the context of pattern generalization, Post Graduate, Z.ÖZEL(Student), 2019

HASER Ç., İŞIKŞAL BOSTAN M., Construction of a mathematics related belief scale for elementary preservice mathematics teachers, Post Graduate, R.KAYAN(Student), 2011

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2019

Doctorate, Doctorate, Hacettepe Üniversitesi, June, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, June, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Hacettepe Üniversitesi, June, 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Sources of preservice teachers' self-efficacy in the context of a mathematics teaching methods course**
Yurekli B., İŞIKŞAL BOSTAN M., ÇAKIROĞLU E.
JOURNAL OF EDUCATION FOR TEACHING, 2020 (Journal Indexed in SSCI)
- **Seventh Graders' Statistical Literacy: an Investigation on Bar and Line Graphs**
ÇATMAN AKSOY E., İŞIKŞAL BOSTAN M.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, 2020 (Journal Indexed in SSCI)
- **An In-Service Primary Teacher's Responses to Unexpected Moments in the Mathematics Classroom**
COŞKUN S. D. , İŞIKŞAL BOSTAN M., Rowland T.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, 2020 (Journal Indexed in SSCI)
- **Prospective Middle School Mathematics Teachers' Global Argumentation Structures**
Erkek O., Işıkşal Bostan M.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.17, pp.613-633, 2019 (Journal Indexed in SSCI)
- **A Different Look at the Reasoning Process of Prospective Middle School Mathematics Teachers: Global Argumentation Structures**
Erkek O., İŞIKŞAL BOSTAN M.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.44, pp.75-101, 2019 (Journal Indexed in SSCI)
- **Middle School Students' Reasoning in Nonlinear Proportional Problems in Geometry**
AYAN R., Bostan M.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.16, pp.503-518, 2018 (Journal Indexed in SSCI)
- **Investigating self-efficacy, anxiety, attitudes and mathematics achievement regarding gender and school type**
Recher S., Işıkşal Bostan M., Koc Y.
ANALES DE PSICOLOGIA, vol.34, pp.41-51, 2018 (Journal Indexed in SCI)
- **Prospective Middle School Mathematics Teachers' Covariational Reasoning for Interpreting Dynamic**

Events During Peer Interactions

Yemen-Karpuzcu S., Ulusoy F., Işıksal Bostan M.

INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.15, pp.89-108, 2017 (Journal Indexed in SSCI)

An Investigation of Pre-service Middle School Mathematics Teachers' Ability to Conduct Valid Proofs, Methods Used, and Reasons for Invalid Arguments

Demiray E., Işıksal Bostan M.

INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.15, pp.109-130, 2017 (Journal Indexed in SSCI)

A Longitudinal Study on Mathematics Teaching Efficacy: Which Factors (Un)Support the Development?

Işıksal Bostan M.

EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.12, pp.2085-2102, 2016 (Journal Indexed in SSCI)

Turkish Prospective Middle School Mathematics Teachers' Beliefs and Perceived Self-Efficacy Beliefs Regarding the Use of Origami in Mathematics Education

Arslan O., Işıksal Bostan M.

EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.12, pp.1533-1548, 2016 (Journal Indexed in SSCI)

Investigating Effect of Origami-Based Instruction on Elementary Students' Spatial Skills and Perceptions

Cakmak S., İŞIKSAL BOSTAN M., KOÇ Y.

JOURNAL OF EDUCATIONAL RESEARCH, vol.107, pp.59-68, 2014 (Journal Indexed in SSCI)

Pre-service Mathematics Teachers' Knowledge of History of Mathematics and Their Attitudes and Beliefs Towards Using History of Mathematics in Mathematics Education

Alpaslan M., Işıksal Bostan M., Haser Ç.

SCIENCE & EDUCATION, vol.23, pp.159-183, 2014 (Journal Indexed in SCI)

Investigation of Using Online Video Case Discussions in Teacher Education: Sources of Evidence of Mathematics Learning

Osmanoglu A., Koç Y., Işıksal Bostan M.

KURAM VE UYGULAMADA EGITIM BİLİMLERİ, vol.13, pp.1295-1303, 2013 (Journal Indexed in SSCI)

The Development of Belief Scale about Using Origami in Mathematics Education

Arslan O., Işıksal Bostan M., Şahin E.

HACETTEPE UNIVERSİTESİ EGİTİM FAKÜLTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.28, pp.44-57, 2013 (Journal Indexed in SSCI)

Preservice Mathematics Teachers' Beliefs about the Nature of Teaching and Learning Mathematics

Kayan R., HASER Ç., İŞIKSAL BOSTAN M.

EGİTİM VE BİLİM-EDUCATION AND SCIENCE, vol.38, pp.179-195, 2013 (Journal Indexed in SSCI)

Prospective Teachers' Noticing with respect to the Student Roles underlined in the Elementary Mathematics Program: Use of VideoCases

Osmanoğlu A., Işıksal Bostan M., Koç Y.

EGİTİM VE BİLİM-EDUCATION AND SCIENCE, vol.37, pp.336-347, 2012 (Journal Indexed in SSCI)

The Relationship Among Mathematics Teaching Efficacy, Math Anxiety, and Mathematical Self-Concept: The Case of Turkish Pre-Service Elementary Teachers

Işıksal Bostan M.

ASIA-PACIFIC EDUCATION RESEARCHER, vol.19, pp.501-514, 2010 (Journal Indexed in SSCI)

A Comparative Study on Undergraduate Students' Academic Motivation and Academic Self-Concept

Işıksal Bostan M.

SPANISH JOURNAL OF PSYCHOLOGY, vol.13, pp.572-585, 2010 (Journal Indexed in SSCI)

A Study on Investigating 8th Grade Students' Reasoning Skills on Measurement: The Case of Cylinder

Işıksal M., KOÇ Y., Osmanoglu A.

- EĞİTİM VE BİLİM-EDUCATION AND SCIENCE, vol.35, pp.61-70, 2010 (Journal Indexed in SSCI)
A Study on Investigating Eight Grade Students' Reasoning Skills on Measurement: The Case of Cylinder
Isıksal Bostan M., Koç Y., Osmanoğlu A.
- EĞİTİM VE BİLİM-EDUCATION AND SCIENCE, vol.35, pp.16-25, 2010 (Journal Indexed in SSCI)
IN-SERVICE ELEMENTARY SCHOOL TEACHERS' BELIEFS IN SCIENCE TEACHING PRACTICES
Şahin E., İşıksal Bostan M., Ertepinar H.
HACETTEPE UNIVERSİTESİ EĞİTİM FAKULTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, pp.296-306, 2010 (Journal Indexed in SSCI)
- **The new Turkish early childhood teacher education curriculum: a brief outlook**
Atay-Turhan T., Koc Y., İŞIKSAL BOSTAN M., Isıksal H.
- ASIA PACIFIC EDUCATION REVIEW, vol.10, pp.345-356, 2009 (Journal Indexed in SSCI)
Preservice Elementary Teachers' Attitudes and Self-efficacy Beliefs toward Mathematics
ÇAKIROĞLU E., İSİKSAL BOSTAN M.
- EĞİTİM VE BİLİM-EDUCATION AND SCIENCE, vol.34, pp.132-139, 2009 (Journal Indexed in SSCI)
MATHEMATICS ANXIETY AND MATHEMATICAL SELF-CONCEPT: CONSIDERATIONS IN PREPARING ELEMENTARY-SCHOOL TEACHERS
İŞIKSAL BOSTAN M., Curran J. M. , Koc Y., Askun C. S.
- SOCIAL BEHAVIOR AND PERSONALITY, vol.37, pp.631-643, 2009 (Journal Indexed in SSCI)
PRESERVICE TEACHERS' KNOWLEDGE OF STUDENTS' COGNITIVE PROCESSES ABOUT THE DIVISION OF FRACTIONS
İŞIKSAL BOSTAN M., ÇAKIROĞLU E.
HACETTEPE UNIVERSİTESİ EĞİTİM FAKULTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, pp.175-185, 2008 (Journal Indexed in SSCI)
- **İlköğretim matematik öğretmen adaylarının matematiğe ve matematik öğretimine yönelik yeterlik algıları**
İSİKSAL BOSTAN M., ÇAKIROĞLU E.
HACETTEPE UNIVERSİTESİ EĞİTİM FAKULTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.31, pp.74-84, 2006 (Journal Indexed in SSCI)
- **The effect of spreadsheet and dynamic geometry software on the achievement and self-efficacy of 7th-grade students**
Isıksal M., Askar P.
- EDUCATIONAL RESEARCH, vol.47, pp.333-350, 2005 (Journal Indexed in SSCI)
The Effect of Spreadsheet and Dynamic Geometry Software on the Achievement and Self Efficacy of Seventh Grade Students
Isıksal Bostan M., Aşkar P.
- Educational Research, vol.47, pp.333-350, 2005 (Journal Indexed in SSCI)
İlköğretim öğrencileri için matematik ve bilgisayar öz yeterlik algısı ölçekleri
Isıksal Bostan M., Aşkar P.
Hacettepe Üniversitesi Egitim Fakültesi Dergisi-Hacettepe University Journal Of Education, vol.25, pp.109-118, 2003 (Journal Indexed in SSCI)

Articles Published in Other Journals

- **An in-service primary teacher's implementation of mathematical tasks: the case of length measurement and perimeter instruction**
COŞKUN S. D. , İŞIKSAL BOSTAN M.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.50, pp.486-505, 2019 (Journal Indexed in ESCI)
- **Effect of inquiry-based instruction enriched with origami activities on achievement, and self-efficacy**

in geometry

Kandil S., Işıksal-Bostan M.

INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.50, pp.557-576, 2019 (Journal Indexed in ESCI)

Middle school students' proportional reasoning in real life contexts in the domain of geometry and measurement

Ayan R., Işıksal Bostan M.

International Journal of Mathematical Education in Science and Technology, vol.50, no.1, pp.65-81, 2019 (Journal Indexed in ESCI)

Middle school students' attitudes towards the use of technology in mathematics lessons: does gender make a difference?

Aytekin E., Işıksal Bostan M.

International Journal of Mathematical Education in Science and Technology, vol.50, no.5, 2019 (Journal Indexed in ESCI)

Elementary mathematics teachers' professional development: Mathematics coaching İlköğretim matematik öğretmenlerinin mesleki gelişimi: Matematik koçluğu

AYGÜN B., Işıksal-Bostan M.

Elementary Education Online, vol.18, pp.52-77, 2019 (Refereed Journals of Other Institutions)

Perceptions of Pre-service Elementary Mathematics Teachers on Their Technological Pedagogical Content Knowledge (TPACK) Regarding Geometry

Bulut A., Işıksal Bostan M.

Journal of Computers in Mathematics and Science Teaching, vol.38, no.2, pp.153-176, 2019 (Refereed Journals of Other Institutions)

The Evaluation of a Pre-Service Mathematics Teacher's TPACK: A Case of 3D Shapes with GeoGebra

Saralar I., Işıksal Bostan M., Akyüz D.

INTERNATIONAL JOURNAL FOR TECHNOLOGY IN MATHEMATICS EDUCATION, vol.25, pp.3-21, 2018 (Journal Indexed in ESCI)

The Nature of Middle School Mathematics Teachers'xx Pedagogical Content Knowledge: The Case of the Volume Of Prisms

Tekin Sitrava R., Işıksal Bostan M.

Australian Mathematics Teacher, vol.74, pp.22-30, 2018 (International Refereed University Journal)

The Analysis of a Novice Primary Teacher's Mathematical Knowledge in Teaching: Area Measurement

Doğan Coşkun S., Işıksal Bostan M.

International Journal for Mathematics Teaching and Learning, vol.19, pp.1-21, 2018 (International Refereed University Journal)

Ortaokul Matematik Öğretmen Adaylarının Ondalık Gösterimlerle Çarpma ve Bölme İşlemlerinde Kullandıkları Hesaplamaya Dayalı Stratejiler

Yemen Karpuzcu S., Kandil S., Işıksal Bostan M.

SDU International Journal of Educational Studies, vol.4, pp.96-109, 2017 (Other Refereed National Journals)

Pre-service middle school mathematics teachers' evaluations of discussions: the case of proof by contradiction

Demiray E., Işıksal Bostan M.

MATHEMATICS EDUCATION RESEARCH JOURNAL, vol.29, pp.1-23, 2017 (Journal Indexed in ESCI)

A Study On Pre-Service Teachers' Spatial Visualization Ability and Spatial Anxiety

Erkek Ö., Işıksal Bostan M., Çakıroğlu E.

KASTAMONU EĞİTİM DERGİSİ, vol.25, pp.33-50, 2017 (Other Refereed National Journals)

Matematik Eğitiminde Origami Kullanımına Yönelik Öz Yeterlik Ölçeği Geliştirilmesi ve Geçerlik Çalışmaları

Arslan O., Işıksal Bostan M.

İlköğretim Online, vol.15, pp.548-559, 2016 (Other Refereed National Journals)

Middle School Students' Knowledge of History of Mathematics and Their Attitudes and Beliefs

towards Using History in School Mathematics

Alpaslan M., Isıksal-Bostan M.

HACETTEPE UNIVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.31, pp.142-162, 2016 (Journal Indexed in ESCI)

● **The nature of middle school mathematics teachers subject matter knowledge The case of volume of prisms**

Tekin Sitrava R., Isıksal Bostan M.

● International Journal of Educational Sciences, vol.12, pp.29-37, 2016 (Journal Indexed in ESCI)

● **Ortaokul Öğrencilerinin Matematik Tarihi Bilgileri ile Okul Matematiğinde Tarih Kullanılmasına İlişkin Tutum ve İnanışları**

Alpaslan M., Isıksal Bostan M.

● Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.31, pp.1-20, 2016 (National Refereed University Journal)

● **The Nature of Middle School Mathematics Teachers' Subject Matter Knowledge: The Case of Volume of Prisms(1)**

Sitrava R. T. , İşıksal Bostan M.

● INTERNATIONAL JOURNAL OF EDUCATIONAL SCIENCES, vol.12, pp.29-37, 2016 (Journal Indexed in ESCI)

● **A Case Study on Mathematical Classroom Discourse in a Fifth Grade Classroom**

Şahin Doğruer Ş., Isıksal Bostan M., Koç Y.

● Gaziantep University Journal of Social Sciences, vol.14, pp.299-322, 2015 (Other Refereed National Journals)

● **Getting Ready for the Profession: Prospective Teachers' Noticing Related to Teacher Actions**

Osmanoglu A., İşıksal Bostan M., Koç Y.

● AUSTRALIAN JOURNAL OF TEACHER EDUCATION, vol.40, pp.29-51, 2015 (Journal Indexed in ESCI)

● **The role of spatial anxiety geometry self efficacy and gender in predicting geometry achievement**

Erkek Ö., Isıksal Bostan M.

● İlköğretim-Online, vol.14, pp.164-180, 2015 (Other Refereed National Journals)

● **An examination of the 7th grade mathematics teacher's guidebook in terms of the relationship between mathematics and science 7. Sınıf matematik öğretmen kılavuz kitabının matematikve fen derslerinin ilişkilendirilmesi açısından incelenmesi**

Yeniterzi B., İşıksal-Bostan M.

● Elementary Education Online, vol.14, pp.407-420, 2015 (Refereed Journals of Other Institutions)

● **An examination of the 7th grade mathematics teacher s guidebook in terms of the relationship between mathematics and science**

Yeniterzi B., Isıksal Bostan M.

● İlköğretim-Online, vol.14, pp.407-420, 2015 (Other Refereed National Journals)

● **Teacher Beliefs toward Using Alternative Teaching Approaches in Science and Mathematics Classes Related to Experience in Teaching**

Isıksal Bostan M., Şahin E., Ertepinar H.

● International Journal of Environmental Science Education, vol.10, pp.603-621, 2015 (Refereed Journals of Other Institutions)

● **An Investigation into the Performance Solution Strategies and Difficulties in Middle School Students Calculation of the Volume of a Rectangular Prism**

Reyhan T. S. , Isıksal Bostan M.

● International Journal for Mathematics Teaching and Learning, vol.2, no.27, pp.2-27, 2014 (Refereed Journals of Other Institutions)

● **An investigation of pre service mathematics teachers views and reflections about elementary mathematics classes instructional issues**

Doğan Coşkun S., Isıksal Bostan M., Koç Y.

● Gaziantep University Journal of Social Sciences, vol.12, pp.913-926, 2013 (Other Refereed National Journals)

● **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, pp.213-230, 2011 (Journal Indexed in ESCI)
The Nature of Prospective Mathematics Teachers Pedagogical Content Knowledge The Case of Multiplication of Fractions
Isıksal Bostan M., Çakıroğlu E.
- Journal of Mathematics Teacher Education, vol.14, pp.213-230, 2011 (Refereed Journals of Other Institutions)
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 (Refereed Journals of Other Institutions)
Elementary school curriculum reform in Turkey
Koc Y., Isıksal M., BULUT S.
- INTERNATIONAL EDUCATION JOURNAL, vol.8, pp.30-39, 2007 (Journal Indexed in ESCI)
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 (Other Refereed National Journals)
An Analysis of the New Elementary Mathematics Teacher Education Curriculum in Turkey
Isıksal Bostan M., Koç Y., Bulut S., Tulay A. T.
- The Mathematics Educator, vol.17, pp.41-51, 2007 (Refereed Journals of Other Institutions)
Elementary School Curriculum in Turkey
Koç Y., Isıksal Bostan M., Bulut S.
- International Education Journal, vol.8, pp.30-39, 2007 (Refereed Journals of Other Institutions)
Pre Service Teachers Performance in Their University Coursework and Mathematical Self Efficacy Beliefs What is the Role of Gender and Year in Program
Isıksal Bostan M.
- The Mathematics Educator, vol.15, pp.8-16, 2005 (Refereed Journals of Other Institutions)
Teacher Efficacy and Academic Performance
Isıksal Bostan M., Çakıroğlu E.
- Academic Exchange Quarterly Journal, vol.9, no.0, 2005 (Refereed Journals of Other Institutions)
Elektronik tablolama ve dinamik geometri yazılımını kullanarak çalışma yapraklarını geliştirilmesi
Isıksal Bostan M., Aşkar P.
- İlköğretim-Online, vol.2, pp.10-18, 2003 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- **Mathematical practices of teachers in technology-enhanced classrooms: A case of teaching slope concept**
YEMEN KARPUZCU S., ISIKSAL BOSTAN M.
The Eleventh Congress of the European Society for Research in Mathematics Education (CERME10, February 6-10, 2019), Utrecht, Netherlands, 6 - 10 February 2019
- **Sosyokültürel Açıdan Üstün Yetenekli Öğrencilerin Matematiksel Modelleme Deneyim**
Karataş F. İ. , Isıksal Bostan M.
International Congress on Gifted and Talented Education, Malatya, Turkey, 1 - 03 November 2019, pp.187-190
- **Second Grade Students' Solution Strategies While Solving Two-Step Multiplication Word,**
Kandil S., Isıksal Bostan M.
2. Uluslararası Temel Eğitim Kongresi, Muğla, Turkey, 23 - 27 October 2019, pp.1272-1276
- **STRATEGİES USED BY FİRST GRADE STUDENTS İN THE PROCESS OF SOLVİNG JOİN PROBLEMS**
Aytekin E., Çakıroğlu E., Sevinç Ş., Isıksal Bostan M., Kandil S.
2. Uluslararası Temel Eğitim Kongresi , İzmir, Turkey, 23 - 27 October 2019, pp.219
- **Portakal Tadı Yoğun Olan Karışımları Belirleme: Yedinci Sınıf Öğrencilerinin Orantısal Düşünme Stratejileri**

Ayan Civak R., Isıksal Bostan M.

Uluslararası Fen, Matematik, Girişimcilik ve Teknoloji Eğitimi Kongresi, İzmir, Turkey, 12 - 14 April 2019, pp.786-792

● **Bir Öğretmen Adayının Öğretmenlik Uygulaması Kapsamında Kullandığı Soru Türlerinin İncelenmesi**
Çaylan B., Isıksal Bostan M.

Türk Bilgisayar ve Matematik Eğitimi Sempozyumu-4 (TURKBİLMAT 4), İzmir, Turkey, 26 - 28 September 2019, pp.524-525

● **The Impact of an Authentic Intervention on Students' Proportional Reasoning Skills**

ISIKSAL BOSTAN M., AYAN CİVAK R., YEMEN KARPUZCU S., BAKTEMUR G.

International Conference on Advance Research in Teaching and Education, 10 - 12 May 2019

● **Erken Orantısal Akıl Yürütmeye Yönelik Varsayım Dayalı Bir Öğrenme Rotası Geliştirme**

Ayan Civak R., Isıksal Bostan M., Yemen Karpuzcu S.

International Conference on Science, Mathematics, Entrepreneurship and Technology Education, İzmir, Turkey, 12 - 14 April 2019, pp.584-585

● **Orantısal akıl yürütmeye ilk adımlar: yedinci sınıf öğrencilerinin birimleri birleştirme ve yinelemedeki gösterimleri**

Yemen Karpuzcu S., Isıksal Bostan M., Ayan Civak R.

International Conference on Science, Mathematics, Entrepreneurship and Technology Education, İzmir, Turkey, 12 - 14 April 2019, pp.499-500

● **Mathematically Gifted Students'xx reflections on using history of mathematics in mathematics classroom**

karataş f. i. , ISIKSAL BOSTAN M.

11th international conference on mathematical creativity and Giftedness, 22 - 24 August 2019

● **The influence of the context of conditional probability problems on probabilistic thinking: A case study with teacher candidates**

OLGUN B., ISIKSAL BOSTAN M.

The Eleventh Conference of the European Society for Research in Mathematics Education (CERME), 6 - 10 February 2019

● **A student teacher's responses to contingent moment and task development process**

AYTEKİN E., ISIKSAL BOSTAN M.

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● **A math teacher's participation in a classroom design research: teaching of ratio and proportion**

AYAN CİVAK R., ISIKSAL BOSTAN M., STEPHAN M.

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● **Prospective Middle School Mathematics Teachers' Conceptions and Affective Dispositions toward Mathematics**

Kandil S., Isıksal Bostan M.

International Congress on Science and Education (ICSE2018), Afyon, Turkey, 28 - 30 September 2018, vol.1, no.1, pp.416-417

● **First Grade Students' Counting Strategies**

KANDİL S., ISIKSAL BOSTAN M., SEVİNÇ Ş., ÇAKIROĞLU E.

International Congress on Science and Education (ICSE2018), 28 - 30 September 2018, pp.427-428

● **A Study on Students' Algebraic Reasoning Regarding Pattern Generalization: The Case of Turkey. Paper presented at European Conference on Educational Research**

Özel Z., Isıksal Bostan M., Sitrava R. T.

ECER, Bolzano, Italy, 3 - 07 September 2018, pp.1

● **Middle School Students' Reasoning in Nonlinear Proportional Problems in Geometry**

Çatman Aksoy E., Isıksal Bostan M.

International Conference on Mathematics and Mathematics Education , Ordu, Turkey, 27 - 29 June 2018, pp.739-

741

1.sınıf öğrencilerinin problem kurma deneyimleri

Çakroğlu E., Karaca E. T., Sevinç Ş., İşıksal Bostan M., Şeker V.

1. uluslararası sınıf öğretmenliği sempozyumu, Ankara, Turkey, 11 - 14 April 2018, pp.1

Pre-service middle school mathematics teachers' interpretation of logical equivalence in proof by contrapositive

DEMİRAY E., Bostan M.

10th Congress of the European-Society-for-Research-in-Mathematics-Education (CERME), Dublin, Ireland, 1 - 05 February 2017, pp.139-146

The role of definitions on classification of solids including (non)prototype examples: The case of cylinder and prism

İşıksal-Bostan M., Yemen-Karpuzcu S.

10th Congress of the European-Society-for-Research-in-Mathematics-Education (CERME), Dublin, Ireland, 1 - 05 February 2017, pp.3320-3327

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