

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

Postgraduate, Middle East Technical University, Faculty Of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey
2000 - 2002

Undergraduate, 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

Postgraduate, 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, Mathematics And Science Education, 2017 - Continues
Associate Professor, Middle East Technical University, Faculty Of Education, Mathematics And Science Education, 2011 -
2017

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

Courses

community service, Undergraduate, 2018 - 2019

Advising Theses

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

İŞIKSAL BOSTAN M., An Investigation of 7th grade students' level of understanding in the statistical investigation process, Postgraduate, Ö.Öz(Student), 2019

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

Işıkbal 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

İŞIKSAL BOSTAN M., An Investigation of 7th grade students' statistical literacy about the concepts of average and variation on bar and line graphs, Postgraduate, E.Çatman(Student), 2018

İŞIKSAL BOSTAN M., An Analysis of prospective middle school mathematics teachers' argumentation structures in technology and paper-pencil environments, Doctorate, Ö.Erkek(Student), 2017

İŞIKSAL BOSTAN M., AKYÜZ D., A Pre-service mathematics teacher's technological pedagogical content knowledge regarding different views of 3-d figures in geometry, Postgraduate, İ.Saralar(Student), 2016

İŞIKSAL BOSTAN M., Investigation of attitudes of middle grade students towards use of technology in mathematics lessons, Postgraduate, E.Aytekin(Student), 2015

İŞIKSAL BOSTAN M., An Investigation into middle school mathematics teachers' subject matter knowledge and pedagogical content knowledge regarding the volume of 3D solids, Doctorate, R.Tekin(Student), 2014

AKYÜZ D., İŞIKSAL BOSTAN M., The Effect of using dynamic geometry software on eight grade students' achievement in transformation geometry, geometric thinking and attitudes toward mathematics and technology, Postgraduate, M.Buğra(Student), 2014

İŞIKSAL BOSTAN M., An Investigation of pre-service middle school mathematics teachers' achievement levels in mathematical proof and the reasons of their wrong interpretations, Postgraduate, E.Demiray(Student), 2013

HASER Ç., İŞIKSAL BOSTAN M., An Investigation of private middle school students' common errors in the domain of area and perimeter and the relationship between their geometry self-efficacy beliefs and basic procedural and conceptual knowledge of area and perimeter, Postgraduate, N.Orhan(Student), 2013

İŞIKSAL BOSTAN M., Elementary teachers' and elementary mathematics teachers' perceptions of mathematically gifted students, Postgraduate, S.Tütüncü(Student), 2013

İŞIKSAL BOSTAN M., A Study on fifth grade students' mistakes, difficulties and misconceptions regarding basic fractional concepts and operations, Postgraduate, N.Tarkan(Student), 2012

İŞIKSAL BOSTAN M., The Effect of creative drama based instruction on seventh grade students' mathematics achievement in probability concept and their attitudes toward mathematics, Postgraduate, A.Damla(Student), 2012

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

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

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

İŞIKSAL BOSTAN M., A case study on the aspects of classroom discourse in a fifth grade mathematics class in a regional elementary boarding school, Postgraduate, Ş.Şahin(Student), 2009

İŞIKSAL BOSTAN M., Investigation of the change in sixth grade students' problem solving abilities, attitude towards problem solving and attitude toward mathematics after mathematics instruction based on polya's problem solving steps, Postgraduate, V.Yıldız(Student), 2008

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, February, 2020

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

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

- I. **Development of Prospective Teachers' Noticing Skills Within Initial Teacher Education**
Tekin-Sitrava R., Kaiser G., İŞIKSAL BOSTAN M.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, 2021 (Journal Indexed in SSCI)
- II. **Types of Global Argumentation Structures in Conjecture-Generation Activities Regarding Geometry**
DEMİRAY E., İŞIKSAL BOSTAN M., SAYGI E.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, 2021 (Journal Indexed in SSCI)
- III. **Seventh Graders' Statistical Literacy: an Investigation on Bar and Line Graphs**
ÇATMAN AKSOY E., İŞIKSAL BOSTAN M.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.19, no.2, pp.397-418, 2021 (Journal Indexed in SSCI)
- IV. **An In-Service Primary Teacher's Responses to Unexpected Moments in the Mathematics Classroom**
COŞKUN S. D. , İŞIKSAL BOSTAN M., Rowland T.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.19, no.1, pp.193-213, 2021 (Journal Indexed in SSCI)
- V. **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 (Journal Indexed in SSCI)
- VI. **Prospective Middle School Mathematics Teachers' Global Argumentation Structures**
Erkek O., İşıksal Bostan M.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.17, pp.613-633, 2019 (Journal Indexed in SSCI)
- VII. **A Different Look at the Reasoning Process of Prospective Middle School Mathematics Teachers: Global Argumentation Structures**
Erkek O., İŞIKSAL BOSTAN M.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.44, no.199, pp.75-101, 2019 (Journal Indexed in SSCI)
- VIII. **Middle School Students' Reasoning in Nonlinear Proportional Problems in Geometry**
AYAN R., Bostan M.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.16, no.3, pp.503-518, 2018 (Journal Indexed in SSCI)
- IX. **Investigating self-efficacy, anxiety, attitudes and mathematics achievement regarding gender and school type**
Recber S., İşıksal Bostan M., Koc Y.
ANALES DE PSICOLOGIA, vol.34, pp.41-51, 2018 (Journal Indexed in SCI)
- X. **Prospective Middle School Mathematics Teachers' Covariational Reasoning for Interpreting Dynamic Events During Peer Interactions**
Yemen-Karpuzcu S., Ulusoy F., İşıksal Bostan M.

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

- XI. **An Investigation of Pre-service Middle School Mathematics Teachers' Ability to Conduct Valid Proofs, Methods Used, and Reasons for Invalid Arguments**
Demiray E., İşıksal Bostan M.
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.15, pp.109-130, 2017 (Journal Indexed in SSCI)
- XII. **A Longitudinal Study on Mathematics Teaching Efficacy: Which Factors (Un)Support the Development?**
İşıksal Bostan M.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.12, pp.2085-2102, 2016 (Journal Indexed in SSCI)
- XIII. **Turkish Prospective Middle School Mathematics Teachers' Beliefs and Perceived Self-Efficacy Beliefs Regarding the Use of Origami in Mathematics Education**
Arslan O., İşıksal Bostan M.
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.12, pp.1533-1548, 2016 (Journal Indexed in SSCI)
- XIV. **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, no.1, pp.59-68, 2014 (Journal Indexed in SSCI)
- XV. **Pre-service Mathematics Teachers' Knowledge of History of Mathematics and Their Attitudes and Beliefs Towards Using History of Mathematics in Mathematics Education**
Alpaslan M., İşıksal Bostan M., Haser Ç.
SCIENCE & EDUCATION, vol.23, pp.159-183, 2014 (Journal Indexed in SCI)
- XVI. **Investigation of Using Online Video Case Discussions in Teacher Education: Sources of Evidence of Mathematics Learning**
Osmanoglu A., Koç Y., İşıksal Bostan M.
KURAM VE UYGULAMADA EGITIM BILIMLERI, vol.13, pp.1295-1303, 2013 (Journal Indexed in SSCI)
- XVII. **Preservice Mathematics Teachers' Beliefs about the Nature of Teaching and Learning Mathematics**
Kayan R., HASER Ç., İSİKSAL BOSTAN M.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.38, no.167, pp.179-195, 2013 (Journal Indexed in SSCI)
- XVIII. **The Development of Belief Scale about Using Origami in Mathematics Education**
Arslan O., Isıksal Bostan M., Şahin E.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.28, pp.44-57, 2013 (Journal Indexed in SSCI)
- XIX. **Prospective Teachers' Noticing with respect to the Student Roles underlined in the Elementary Mathematics Program: Use of VideoCases**
Osmanoğlu A., Isıksal Bostan M., Koç Y.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.37, pp.336-347, 2012 (Journal Indexed in SSCI)
- XX. **A Comparative Study on Undergraduate Students' Academic Motivation and Academic Self-Concept**
Isıksal Bostan M.
SPANISH JOURNAL OF PSYCHOLOGY, vol.13, pp.572-585, 2010 (Journal Indexed in SSCI)
- XXI. **The Relationship Among Mathematics Teaching Efficacy, Math Anxiety, and Mathematical Self-Concept: The Case of Turkish Pre-Service Elementary Teachers**
Isıksal Bostan M.
ASIA-PACIFIC EDUCATION RESEARCHER, vol.19, pp.501-514, 2010 (Journal Indexed in SSCI)
- XXII. **A Study on Investigating 8th Grade Students' Reasoning Skills on Measurement: The Case of Cylinder**
Isıksal M., KOÇ Y., Osmanoglu A.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.35, no.156, pp.61-70, 2010 (Journal Indexed in SSCI)
- XXIII. **A Study on Investigating Eight Grade Students' Reasoning Skills on Measurement: The Case of**

Cylinder

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

EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.35, pp.16-25, 2010 (Journal Indexed in SSCI)

- XXIV. **IN-SERVICE ELEMENTARY SCHOOL TEACHERS' BELIEFS IN SCIENCE TEACHING PRACTICES**
Şahin E., Isıksal Bostan M., Ertepinar H.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION,
pp.296-306, 2010 (Journal Indexed in SSCI)
- XXV. **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, no.3, pp.345-356, 2009 (Journal Indexed in SSCI)
- XXVI. **Preservice Elementary Teachers' Attitudes and Self-efficacy Beliefs toward Mathematics**
ÇAKIROĞLU E., İSİKSAL BOSTAN M.
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.34, no.151, pp.132-139, 2009 (Journal Indexed in SSCI)
- XXVII. **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, no.5, pp.631-643, 2009 (Journal Indexed in SSCI)
- XXVIII. **PRESERVICE TEACHERS' KNOWLEDGE OF STUDENTS' COGNITIVE PROCESSES ABOUT THE DIVISION OF FRACTIONS**
Isıksal Bostan M., Çakıroğlu E.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION,
no.35, pp.175-185, 2008 (Journal Indexed in SSCI)
- XXIX. **İlköğretim matematik öğretmen adaylarının matematikçe ve matematik öğretimine yönelik yeterlik algıları**
Isıksal Bostan M., Çakıroğlu E.
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION,
vol.31, pp.74-84, 2006 (Journal Indexed in SSCI)
- XXX. **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, no.3, pp.333-350, 2005 (Journal Indexed in SSCI)
- XXXI. **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)
- XXXII. **İlköğretim öğrencileri için matematik ve bilgisayar öz yeterlik algısı ölçekleri**
Isıksal Bostan M., Aşkar P.
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi-Hacettepe University Journal Of Education, vol.25, pp.109-118, 2003
(Journal Indexed in SSCI)

Articles Published in Other Journals

- I. **Revealing Implicit Knowledge of Pre-Service Mathematics Teachers in Lesson Planning: Knowledge of Infinity**
SAVURAN R., İŞIKSAL BOSTAN M.
European Journal of Science and Mathematics Education, vol.10, no.3, pp.269-283, 2022 (Refereed Journals of Other Institutions)
- II. **Pre-Service Teachers' Knowledge Regarding the Area of Triangle**
Durmaz A. B. , İŞIKSAL BOSTAN M.
European Journal of Science and Mathematics Education, vol.10, no.2, pp.208-224, 2022 (Refereed Journals of

Other Institutions)

- III. **Supporting Pre-service Mathematics Teachers' Professional Noticing of Students' Reasoning About Length**
Ergene B. C. , İŞIKSAL BOSTAN M.
European Journal of Science and Mathematics Education, vol.10, no.1, pp.50-70, 2022 (Refereed Journals of Other Institutions)
- IV. **From the knowledge to be taught to the learned knowledge: the quadrilaterals in the 5th-grade**
AKAR N., İŞIKSAL BOSTAN M.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, 2022 (Journal Indexed in ESCI)
- V. **Pre-service elementary teachers' noticing expertise of students' mathematical thinking: the case of fractions**
Coskun S. D. , SİTRAVA R. T. , İŞIKSAL BOSTAN M.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, 2021 (Journal Indexed in ESCI)
- VI. **A design based study: Characteristics of differentiated tasks for mathematically gifted students**
Ozdemir D., İŞIKSAL BOSTAN M.
European Journal of Science and Mathematics Education, vol.9, no.3, pp.125-144, 2021 (Refereed Journals of Other Institutions)
- VII. **Implementation of technology enhanced activities for teaching slope in daily life situations**
Yemen Karpuzcu S., İŞIKSAL BOSTAN M.
Elementary Education Online, vol.20, no.1, pp.1-19, 2021 (Refereed Journals of Other Institutions)
- VIII. **Middle school students' attitudes towards the use of technology in mathematics lessons: does gender make a difference?**
Aytekin E., İşıksal Bostan M.
International Journal of Mathematical Education in Science and Technology, vol.50, no.5, pp.707-727, 2019 (Journal Indexed in ESCI)
- IX. **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, no.4, pp.486-505, 2019 (Journal Indexed in ESCI)
- X. **Effect of inquiry-based instruction enriched with origami activities on achievement, and self-efficacy in geometry**
Kandil S., İşıksal-Bostan M.
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.50, no.4, pp.557-576, 2019 (Journal Indexed in ESCI)
- XI. **Middle school students' proportional reasoning in real life contexts in the domain of geometry and measurement**
Ayan R., İşıksal Bostan M.
International Journal of Mathematical Education in Science and Technology, vol.50, no.1, pp.65-81, 2019 (Journal Indexed in ESCI)
- XII. **Perceptions of Pre-service Elementary Mathematics Teachers on Their Technological Pedagogical Content Knowledge (TPACK) Regarding Geometry**
Bulut A., İşıksal Bostan M.
Journal of Computers in Mathematics and Science Teaching, vol.38, no.2, pp.153-176, 2019 (Refereed Journals of Other Institutions)
- XIII. **Elementary mathematics teachers' professional development: Mathematics coaching İlköğretim matematik öğretmenlerinin mesleki gelişimi: Matematik koçluğu**
AYGÜN B., İşıksal-Bostan M.
Elementary Education Online, vol.18, no.1, pp.52-77, 2019 (Refereed Journals of Other Institutions)

- XIV. **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)
- XV. **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)
- XVI. **The Nature of Middle School Mathematics Teachers' 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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **Middle School Students' Knowledge of History of Mathematics and Their Attitudes and Beliefs towards Using History in School Mathematics**
Alpaslan M., Işıksal-Bostan M.
HACETTEPE UNIVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.31, no.1, pp.142-162, 2016 (Journal Indexed in ESCI)
- XXII. **Ortaokul Öğrencilerinin Matematik Tarihi Bilgileri ile Okul Matematiğinde Tarih Kullanılmasına İlişkin Tutum ve İnanışları**
Alpaslan M., Işıksal Bostan M.
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.31, pp.1-20, 2016 (National Refereed University Journal)
- XXIII. **The nature of middle school mathematics teachers subject matter knowledge The case of volume of prisms**
Tekin Sitrava R., Işıksal Bostan M.
International Journal of Educational Sciences, vol.12, pp.29-37, 2016 (Journal Indexed in ESCI)
- XXIV. **The Nature of Middle School Mathematics Teachers' Subject Matter Knowledge: The Case of Volume of Prisms(1)**
Sitrava R. T. , Işıksal Bostan M.
INTERNATIONAL JOURNAL OF EDUCATIONAL SCIENCES, vol.12, pp.29-37, 2016 (Journal Indexed in ESCI)
- XXV. **A Case Study on Mathematical Classroom Discourse in a Fifth Grade Classroom**
Şahin Doğruer Ş., Işıksal Bostan M., Koç Y.
Gaziantep University Journal of Social Sciences, vol.14, pp.299-322, 2015 (Other Refereed National Journals)
- XXVI. **The role of spatial anxiety geometry self efficacy and gender in predicting geometry achievement**
Erkek Ö., Işıksal Bostan M.
İlköğretim-Online, vol.14, pp.164-180, 2015 (Other Refereed National Journals)
- XXVII. **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)

XXVIII. Getting Ready for the Profession: Prospective Teachers' Noticing Related to Teacher Actions

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

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

XXIX. 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., Isıksal-Bostan M.

Elementary Education Online, vol.14, no.2, pp.407-420, 2015 (Refereed Journals of Other Institutions)

XXX. 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)

XXXI. 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.2, pp.2-27, 2014 (Refereed Journals of Other Institutions)

XXXII. 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)

XXXIII. The nature of prospective mathematics teachers' pedagogical content knowledge: the case of multiplication of fractions

Isıksal M., Çakroğlu E.

JOURNAL OF MATHEMATICS TEACHER EDUCATION, vol.14, no.3, pp.213-230, 2011 (Journal Indexed in ESCI)

XXXIV. The Nature of Prospective Mathematics Teachers Pedagogical Content Knowledge The Case of Multiplication of Fractions

Isıksal Bostan M., Çakroğlu E.

Journal of Mathematics Teacher Education, vol.14, pp.213-230, 2011 (Refereed Journals of Other Institutions)

XXXV. Gender Differences Regarding Mathematics Achievement The Case of Turkish Middle School Students

Isıksal Bostan M., Çakroğlu E.

School Science and Mathematics, vol.108, pp.113-120, 2008 (Refereed Journals of Other Institutions)

XXXVI. Elementary school curriculum reform in Turkey

Koc Y., Isıksal M., BULUT S.

INTERNATIONAL EDUCATION JOURNAL, vol.8, no.1, pp.30-39, 2007 (Journal Indexed in ESCI)

XXXVII. 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)

XXXVIII. İlköğretim matematik öğretmen adaylarının epistemolojik kavramlamaları Üniversite ve sınıf düzeyinin etkisi

Isıksal Bostan M., Kurt G., Doğan O., Çakroğlu E.

İLKÖĞRETİM ONLİNE, vol.6, pp.313-321, 2007 (Other Refereed National Journals)

XXXIX. 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)

XL. Teacher Efficacy and Academic Performance

Isıksal Bostan M., Çakroğlu E.

Academic Exchange Quarterly Journal, vol.9, no.4, 2005 (Refereed Journals of Other Institutions)

- XLI. **Pre Service Teachers Performance in Their University Coursework and Mathematical Self Efficacy Beliefs What is the Role of Gender and Year in Program**

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