

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eđitimi Bölümü, Turkey
1988 - 1994

Post Graduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eđitimi Bölümü,
Turkey 1986 - 1988

Under Graduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey
1982 - 1986

Foreign Languages

English, C1 Advanced

Research Areas

Teacher Training in Science and Math. at Second. Sch. Lev.

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eđitimi Bölümü, 1986 -
Continues

Advising Theses

BULUT S., The effect of metacognitive instructional method on eleventh grade students' metacognitive skill and
mathematical procedural and conceptual knowledge, Doctorate, T.ABDUL(Student), 2016

BULUT S., An integrated use of vectorial approach with analytical and synthetic approaches: a teaching experiment with
eleventh grade students on quadrilaterals, Doctorate, A.İHSAN(Student), 2015

BULUT S., The effect of conceptual change based instruction on tenth grade students' understanding of probability
concepts, probability achievement and attitudes toward probability, Doctorate, E.TOPBAŞ(Student), 2014

BULUT S., Pre-service elementary mathematics teachers' conception of derivative concept from commognition
perspective, Doctorate, Ö.YİĞİTCAN(Student), 2013

BULUT S., A study on sixth grade students' understanding of multiplication of fractions using Pirie and Kieren model,
Doctorate, N.DÜZENLİ(Student), 2012

BULUT S., A case study of the use of manipulatives in upper elementary mathematics classes in a private school:
Teachers' and students' views, Doctorate, B.TUNCAY(Student), 2012

BULUT S., Strategies and difficulties in solving spatial visualization problems: A case study with adults, Doctorate,
E.BANU(Student), 2012

BULUT S., Effects of a mathematics instruction enriched with portfolio activities on seventh grade students' achievement,
motivation and learning strategies, Doctorate, S.ÖZDEMİR(Student), 2012

BULUT S., Seventh grade students' attitudes toward mathematics in terms of cognitive, affective and behavioral
components: A modeling study, Doctorate, Ö.GÜN(Student), 2011

BULUT S., Türev konusunda matematiksel modelleme yönteminin ortaöđretim öđrencilerinin akademik başarıları ve öz-
düzenleme becerilerine etkisi, Doctorate, M.ÖZTURAN(Student), 2010

BULUT S., The effect of instruction with concrete models on eighth grade students' probability achievement and attitudes toward probability, Post Graduate, F.YAĞCI(Student), 2010

BULUT S., The effect of instruction with concrete materials on fourth grade students' geometry achievement, Post Graduate, S.SARI(Student), 2010

BULUT S., The effects of problem solving on the topic of functions on problem solving performance, attitude toward problem solving and mathematics, Post Graduate, B.EGE(Student), 2010

BULUT S., The roles of affective, socioeconomic status and school factors on mathematics achievement: A structural equation modeling study, Doctorate, Ö.MERT(Student), 2010

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

BULUT S., Impact of 5E learning cycle on sixth grade students' mathematics achievement on and attitudes toward mathematics, Post Graduate, S.PULAT(Student), 2009

BULUT S., An investigation of seventh grade students' computational estimation strategies and factors associated with them, Doctorate, B.BOZ(Student), 2009

BULUT S., Ortaöğretim matematik öğretmen adaylarının problem çözme durumlarındaki matematiksel yaratıcılıkları üzerine nitel bir araştırma, Doctorate, Y.KIYMAZ(Student), 2009

BULUT S., The effects of problem solving approaches on students' performance and self-regulated learning in mathematics, Doctorate, Z.SONAY(Student), 2009

BULUT S., The effects of problem-based learning method on 9th grade students' achievement in geometry, Post Graduate, M.APAÇIK(Student), 2009

BULUT S., Ortaöğretim matematik öğretmen adaylarının matematiksel modelleme yapabilme becerilerinin geliştirilmesi üzerine bir araştırma, Doctorate, Ö.ÖZER(Student), 2008

BULUT S., Investigation of effect of visual treatment on elementary school student's spatial ability and attitude toward spatial ability problems, Post Graduate, M.EMRE(Student), 2008

BULUT S., Matematik öğretmen adaylarının üstbilişsel davranışlarının gelişimine yönelik tasarlanan eğitim durumlarının etkililiği, Doctorate, H.DEMİRCİOĞLU(Student), 2008

BULUT S., Investigation of self-regulated learning and motivational beliefs in mathematics achievement, Post Graduate, G.ERGÖZ(Student), 2008

BULUT S., Predicting 9th grade students' geometry achievement: ontributions of cognitive style, spatial ability and attitude toward geometry, Post Graduate, E.İŞİK(Student), 2008

BULUT S., Contributions of self-confidence, actual work effort and perceived importance of work effort to eight grade students' mathematics achievement, Post Graduate, S.AÇIKGÖZ(Student), 2006

BULUT S., İlköğretim 4. ve 5. sınıf öğrencilerinin matematiğin doğası ve matematik öğretimi hakkındaki inançları, Post Graduate, A.KAYAASLAN(Student), 2006

BULUT S., The effects of instruction with analogy-enhanced model on ninth grade students` function achievement and attitudes toward mathematics, Post Graduate, C.AKMAN(Student), 2005

BULUT S., The effect of instruction with problem posing on tenth grade students' probability achievement and attitudes toward probability, Post Graduate, B.BURÇİN(Student), 2005

BULUT S., Investigation of high school students' spatial ability, Post Graduate, E.BANU(Student), 2005

BULUT S., The effect of instruction with concrete models on eighth grade students' geometry achievement and attitudes toward geometry, Post Graduate, S.BAYRAM(Student), 2004

BULUT S., Investigation of estimation ability of high school students, Post Graduate, B.BOZ(Student), 2004

BULUT S., High school students' beliefs about mathematics and the teaching of mathematics, Post Graduate, Ö.MERT(Student), 2004

BULUT S., Investigation of secondary school students' performance on proof and attitude towards proof in geometry, Post Graduate, İ.ÇİÇEK(Student), 2004

BULUT S., Factors affecting preservice mathematics teachers' decisions on probability teaching, Post Graduate, E.ÖZAYTABAK(Student), 2004

BULUT S., Relationships among self-regulated learning components, motivational beliefs and mathematics achievement, Post Graduate, B.ÖZTÜRK(Student), 2003

BULUT S., Investigation of students' probabilistic misconceptions, Post Graduate, A.İHSAN(Student), 2003

BULUT S., Investigation of the effects of school type, gender, and grade level on students`attitudes toward technology, Post Graduate, M.ÇATAK(Student), 2003

BULUT S., Reciprocal relationship between attitudes toward mathematics and achievement in mathematics, Post Graduate, Ş.TAĞ(Student), 2000

BULUT S., Beliefs of preservice mathematics teachers at the Middle East Technical University and the Gazi University about the nature of mathematics and the teaching of mathematics, Post Graduate, S.CENAP(Student), 2000

BULUT S., Investigation of tenth grade students' problem solving strategies in geometry, Post Graduate, S.ÖZKAYA(Student), 2000

BULUT S., The Effect of different teaching methods on mathematical problem solving performance, Post Graduate, Y.KOÇ(Student), 1998

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

- **Gender Differences in Self-Regulated Online Learning Environment**

Yukselturk E., BULUT S.

EDUCATIONAL TECHNOLOGY & SOCIETY, vol.12, pp.12-22, 2009 (Journal Indexed in SSCI)

- **Predictors for student success in an online course**

Yukselturk E., Bulut S.

EDUCATIONAL TECHNOLOGY & SOCIETY, vol.10, pp.71-83, 2007 (Journal Indexed in SSCI)

- **Ortaöğretimde Fen ve Matematik Öğretimi Problemleri ve Öğretmen Yetiştirmeye Yönelik Öneriler**

DEMİRCİOĞLU H., BULUT S., YILDIRIM A.

Eğitim ve Bilim, vol.21, pp.25-30, 1997 (Journal Indexed in SSCI)

Articles Published in Other Journals

- **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)

- **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)

- **Öğretmen Adaylarına Verilecek Bilgisayar Okuryazarlığı Dersinin İçeriği ve Adayların Ders Hakkındaki Görüşleri**

GÜRBÜZ T., ERYILMAZ A., BULUT S.

Buca Eğitim Fakültesi Dergisi, vol.11, pp.46-55, 2000 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- **An investigation on students' degree of acquisition related to van Hiele level of geometric reasoning: A case of 6-8th graders in Turkey**

KOÇ Y., ISIKSAL BOSTAN M., SEVİŞ Ş., OSMANOĞLU A., ÇETİNKAYA B., AŞKUN C. S. , BULUT S.

Eighth Congress of European Research in Mathematics Education (CERME 8), 6 - 10 February 2013

- **Solo modeli ile uzamsal gorselleştirme becerilerinin ölçülmesi**

KOC Y., ISIKSAL BOSTAN M., OSMANOĞLU A., ÇETİNKAYA B., AŞKUN C. S. , BULUT S., SEVİŞ Ş., ESEN Y.

10. Matematik Sempozyumu, Turkey, 21 - 23 September 2011

- **PROSPECTIVE MATHEMATICS TEACHERS' SELF-EFFICACY BELIEFS REGARDING THE USE OF CONCRETE MODELS**

Tunc M. P. , ÇAKIROĞLU E., BULUT S.

35th Annual Conference of the International-Group-for-the-Psychology-of-Mathematics-Education (PME), Ankara, Turkey, 10 - 15 July 2011, pp.373

- **Pre-service Teachers' content and pedagogical content knowledge structures about multiplication algorithm and area-perimeter relations: What is the role of teaching methods courses?**

KOC Y., ISIKSAL BOSTAN M., SEVİŞ Ş., ÇAKMAK S., BULUT S.

American Educational Research Association (AERA) 2010 Annual Meeting, 30 April - 04 May 2010

- **Preservice teachers' purposes of utilizing concrete materials**

Tat E. T. , BULUT S.

2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.5835

- **Pre-service teachers' pedagogical content knowledge structures: What is the effect of methods courses?**

SEVİŞ Ş., KOC Y., ISIKSAL BOSTAN M., BULUT S.

The European Conference on Educational Research (ECER), 10 - 12 September 2008

- **Matematik öğretmen adaylarının türevin geometrik yorumu ile ilgili bilgileri**

KULA WASSINK F., TOPBAŞ TAT E., BULUT S., ÇETİNKAYA B.

16th National Congress on Educational Sciences, Turkey, 5 - 07 September 2007

Supported Projects

BULUT S., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

Citations

Total Citations (WOS):214

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