

## Prof. BEHİYE UBUZ

### Personal Information

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### International Researcher IDs

ScholarID: VJP-T9oAAAAJ

ORCID: 0000-0003-0617-7459

Publons / Web Of Science ResearcherID: ABA-1562-2020

ScopusID: 7801354480

Yoksis Researcher ID: 6644

### Education Information

Doctorate, The University of Nottingham, Education Faculty, Shell Center for Mathematics Education, United Kingdom  
1992 - 1996

Postgraduate, Middle East Technical University, Faculty of Education, Fen Bilimleri Eğitimi Bölümü (Şu an Matematik ve Fen Bilimleri Eğitimi), Turkey 1989 - 1991

Undergraduate, Middle East Technical University, Faculty of Education, Fen Bilimleri Eğitimi Bölümü (Şu an Matematik ve Fen Bilimleri Eğitimi), Turkey 1984 - 1989

### Foreign Languages

English, C2 Mastery

### Research Areas

Elementary School Education, Teacher Training in Science and Math. at Primary Sch. Level, 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, 2011 - Continues  
Associate Professor, Middle East Technical University, Faculty of Education, Ortaöğretim Fen ve Matematik Alanları Eğitimi Bölümü, 2000 - 2011

Assistant Professor, Middle East Technical University, Faculty of Education, Fen Bilimleri Eğitimi Bölümü, 1997 - 2000

Lecturer, Middle East Technical University, Faculty of Education, Fen Bilimleri Eğitimi Bölümü, 1996 - 1997

Research Assistant, Middle East Technical University, Faculty of Education, Fen Bilimleri Eğitimi Bölümü, 1990 - 1996

### Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Education, Mathematics and Science

Education, 2021 - Continues

Fakülte Kurulu Üyesi, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2021 - Continues

University Executive Board Member, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2021 - Continues

Dean, Middle East Technical University, Faculty Of Education, Mathematics And Science Education, 2021 - Continues

Member of the Senate, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2021 - Continues

Rektörlük Stratejik Plan Komisyonu Üyesi, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2021 - Continues

Matematikçiler Derneği Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2007 - 2011

Fakülte Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2001 - 2004

Fakülte Kurulu Üyesi, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 1998 - 2001

## Advising Theses

Ubuz B., Development and validation of selected response test to measure students' declarative knowledge of triangles, Postgraduate, M.Güneş(Student), 2022

UBUZ B., Analysis of geometrical objects tasks in middle school mathematics textbooks with PISA 2018 mathematics literacy framework, Postgraduate, Z.BETÜL(Student), 2022

UBUZ B., An interpretive examination of analogies used in ninth-grade mathematics classrooms on the unit of functions, Doctorate, E.ÜNVER(Student), 2022

UBUZ B., Mathematical thinking in the classroom on derivative: fostering university students' mathematical thinking, Postgraduate, Ö.Funda(Student), 2019

UBUZ B., Casual relations among 12th grade students' geometry knowledge, spatial ability, gender and school type, Doctorate, A.Eryılmaz(Student), 2012

UBUZ B., Causal relations among 12th grade students geometry knowledge, spatial ability, gender, and school type, Doctorate, A.ERYILMAZ(Student), 2012

UBUZ B., A multilevel structural model of mathematical thinking in derivative concept, Doctorate, U.ÖZDİL(Student), 2012

UBUZ B., Matematik lisans derslerindeki tartışmaların Toulmin modeline göre analizi, Doctorate, S.DİNÇER(Student), 2011

UBUZ B., İlköğretim ikinci kademe cebir öğrenme alanı ile ilgili matematiksel görevlerin bilişsel istemler açısından incelenmesi: Matematik ders kitapları ve sınıf uygulamaları, Doctorate, G.SARPKAYA(Student), 2011

UBUZ B., Sınıf öğretmeni adaylarının geometrik cisimler konusundaki pedagojik alan bilgileri, Doctorate, Y.GÖKBULUT(Student), 2010

UBUZ B., Preservice secondary mathematics teachers' pedagogical content knowledge of composite and inverse functions, Doctorate, B.KARAHASAN(Student), 2010

UBUZ B., The effect of project-based learning on 7th grade students' knowledge acquisition in, attitude towards and active learning strategies in and learning value of geometry with differing cognitive style, Doctorate, Y.AYDINYER(Student), 2010

UBUZ B., Preservice secondary mathematics teachers' pedagogical content knowledge of composite and inverse functions, Doctorate, B.Karahasan(Student), 2010

UBUZ B., The contribution of cognitive style and prior knowledge on sixth grade students' knowledge acquisition in polygons in drama based learning environment, Postgraduate, B.ATAR(Student), 2010

UBUZ B., Analysis of analogy use on function concept in the ninth grade mathematics textbook and classrooms, Postgraduate, E.ÜNVER(Student), 2009

UBUZ B., A structural equation modeling study: The metacognition-knowledge model for geometry, Postgraduate, U.AYDIN(Student), 2007

UBUZ B., A comparison of drama-based learning and cooperative learning with respect to seventh grade students' achievement, attitudes and thinking levels in geometry, Postgraduate, N.KALE(Student), 2007

UBUZ B., An investigation of 10th grade students' proof schemes in geometry with respect to their cognitive styles and gender, Postgraduate, D.ÖREN(Student), 2007

UBUZ B., The effects of physical manipulative with or without self-metacognitive questioning on sixth grade students' knowledge acquisition in polygons, Postgraduate, B.ERDOĞAN(Student), 2007

UBUZ B., Student perceptions on their physics and mathematics teachers' effectiveness, Postgraduate, M.HAMDİ(Student), 2006

UBUZ B., An investigation on the effects of project-based learning on students' achievement in and attitude towards geometry, Postgraduate, E.ÖZDEMİR(Student), 2006

UBUZ B., An analysis of geometry problems in 6-8 grades Turkish mathematics textbooks, Postgraduate, H.Delil(Student), 2006

UBUZ B., An analysis of geometry problems in 6th, 7th, 8th grades Turkish mathematics textbooks, Postgraduate, H.DELİL(Student), 2006

UBUZ B., The effect of the asynchronous WEB based course on the pre-service teachers' achievement, metacognition, and attitudes towards computer, WWW and WEB based course, Doctorate, A.TOPRAK(Student), 2005

UBUZ B., The effect of the web based asynchronous teaching method course on the pre-service teachers' achievement, metacognition, and attitudes towards computer, www and web based course, Doctorate, A.Topçu(Student), 2005

UBUZ B., Development in secondary pre-service mathematics teachers' pre-existing beliefs during the last 1.5 years of the five year integrated program, Postgraduate, A.ERYILMAZ(Student), 2005

UBUZ B., The effect of journal writing on first year engineering students' achievement on integral, Postgraduate, N.TOSMUR(Student), 2004

UBUZ B., The effects of drama based instruction on seventh grade students' geometry achievement, van Hiele geometric thinking levels, attitude toward mathematics and geometry, Doctorate, A.DUATEPE(Student), 2004

UBUZ B., Tanısal öğretim yönteminin 9.sınıf öğrencilerinin mutlak değer konusundaki başarılarına etkisi, Postgraduate, H.ŞANDIR(Student), 2003

UBUZ B., Developing the understanding of geometry through a computer-based learning environment, Postgraduate, I.ÜSTÜN(Student), 2003

UBUZ B., The effect of journal writing on first year university students performance on function and limit-continuity., Postgraduate, B.Karahasan(Student), 2002

UBUZ B., The effect of Journal Writing on first year university students' performance on function and limit-continuity, Postgraduate, B.KARAHASAN(Student), 2002

UBUZ B., Effects of sociocultural learning environments on 5th grade students' performance on the fractions concept, Postgraduate, Ç.HASER(Student), 2001

## **Jury Memberships**

Associate Professor Exam, Associate Professor Exam, March, 2023

Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, May, 2021

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Project-based geometry learning: Knowledge and attitude of field-dependent/independent cognitive style students**  
Ubuz B., Aydinyer Y.  
JOURNAL OF EDUCATIONAL RESEARCH, vol.112, no.3, pp.285-300, 2019 (SSCI)
- II. **Effects of Physical Manipulative Instructions with or without Explicit Metacognitive Questions on**

### **Geometrical Knowledge Acquisition**

Ubuz B., Erdogan B.

INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.17, no.1, pp.129-151, 2019 (SSCI)

- III. **THE THINKING-ABOUT-DERIVATIVE TEST FOR UNDERGRADUATE STUDENTS: DEVELOPMENT AND VALIDATION**  
UBUZ B., UBUZ B.  
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.13, no.6, pp.1279-1303, 2015 (SSCI)
- IV. **Predicting undergraduate students' mathematical thinking about derivative concept: A multilevel analysis of personal and institutional factors**  
Aydin U., UBUZ B.  
LEARNING AND INDIVIDUAL DIFFERENCES, vol.32, pp.80-92, 2014 (SSCI)
- V. **Structural model of metacognition and knowledge of geometry**  
Aydin U., UBUZ B.  
LEARNING AND INDIVIDUAL DIFFERENCES, vol.20, no.5, pp.436-445, 2010 (SSCI)
- VI. **Turkish Version of the Junior Metacognitive Awareness Inventory: The Validation Study**  
Aydin U., UBUZ B.  
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.35, no.157, pp.30-45, 2010 (SSCI)
- VII. **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)
- VIII. **Effects of Drama-Based Geometry Instruction on Student Achievement, Attitudes, and Thinking Levels**  
DUATEPE PAKSU A., UBUZ B.  
JOURNAL OF EDUCATIONAL RESEARCH, vol.102, no.4, pp.272-286, 2009 (SSCI)
- IX. **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)
- X. **The effects of metacognitive knowledge on the pre-service teachers' participation in the asynchronous online forum**  
Topcu A., Ubuz B.  
EDUCATIONAL TECHNOLOGY & SOCIETY, vol.11, no.3, pp.1-12, 2008 (SSCI)
- XI. **Effects of the asynchronous web-based course: Preservice teachers' achievement, metacognition, and attitudes towards the course**  
Topcu A., UBUZ B.  
EDUCATIONAL TECHNOLOGY & SOCIETY, vol.11, no.3, pp.181-197, 2008 (SSCI)
- XII. **9(th) grade students' difficulties in arithmetic operations, ordering numbers, solving equations and inequalities**  
Sandir H., UBUZ B., Arguen Z.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.32, pp.274-281, 2007 (SSCI)

### **Articles Published in Other Journals**

- I. **Geometry knowledge test about triangles: evidence on validity and reliability**  
UBUZ B., Aydin U.  
ZDM-MATHEMATICS EDUCATION, vol.50, no.4, pp.659-673, 2018 (ESCI)
- II. **Dörtgenler arasındaki ilişkiler: 7. sınıf öğrencilerinin kavram imajları**

- UBUZ B.  
Yaşadıkça Eğitim, vol.31, no.1, pp.55-68, 2017 (Peer-Reviewed Journal)
- III. **Measuring striving for understanding and learning value of geometry: a validity study**  
UBUZ B., Aydinyer Y.  
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.48, no.7, pp.1072-1086, 2017 (ESCI)
- IV. **Teaching and learning of geometry in drama based instruction**  
UBUZ B., DUATEPE PAKSU A.  
European Journal of Science and Mathematics Education, vol.4, no.2, pp.176-185, 2016 (Scopus)
- V. **Sınıf Öğretmeni Adaylarının Piramit Bilgileri Tanım ve Örnekler Oluşturma**  
UBUZ B., GÖKBULUT Y.  
Ahi Evran Üniversitesi Kırşehir Eğitim Fakültesi Dergisi, vol.16, no.2, pp.335-351, 2015 (Peer-Reviewed Journal)
- VI. **İlköğretim 6 sınıf cebirsel görevlerin bilişsel istem seviyelerine göre incelenmesi Ders kitapları ve sınıf uygulamaları**  
UBUZ B., SARP KAYA AKTAŞ G.  
İlköğretim Online, vol.13, no.2, pp.594-606, 2014 (Scopus)
- VII. **Practicing Engineers Perspective on Mathematics and Mathematics Education in College**  
Tosmur N., UBUZ B.  
Journal of Stem Education, vol.14, no.3, pp.34-40, 2013 (Peer-Reviewed Journal)
- VIII. **Sınıf öğretmeni adaylarının prizma bilgileri Tanım ve örnekler oluşturma**  
GÖKBULUT Y., UBUZ B.  
İlköğretim Online, vol.12, no.2, pp.401-412, 2013 (Scopus)
- IX. **Factors associated with success in a calculus course An examination of personal variables**  
UBUZ B.  
International Journal of Mathematical Education in Science and Technology, vol.42, no.1, pp.1-12, 2011 (Scopus)
- X. **Primary teachers subject matter knowledge decimals**  
UBUZ B., YAYAN B.  
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, vol.41, no.6, pp.787-804, 2010 (Scopus)
- XI. **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)
- XII. **Sınıf öğretmeni adaylarının iyi öğretmen olma ile ilgili görüşleri**  
UBUZ B., Sarı S.  
Ondokuz Mayıs Üniversitesi Eğitim Fakültesi Dergisi, vol.28, pp.53-61, 2009 (Peer-Reviewed Journal)
- XIII. **Matematik Eğitiminde Araştırmalar ve Eğilimler 2000 ile 2006 Yılları Arası**  
Fulya U., UBUZ B.  
İlköğretim Online, vol.7, no.3, pp.614-626, 2008 (Scopus)
- XIV. **Sınıf Öğretmeni Adaylarının Öğretmenlik Mesleğini Seçme Nedenleri**  
UBUZ B., Sarı S.  
Pamukkale Üniversitesi Eğitim Fakültesi, vol.2, no.24, pp.113-119, 2008 (Peer-Reviewed Journal)
- XV. **The Development of a Geometry Attitude Scale**  
DUATEPE PAKSU A., UBUZ B.  
Academic Exchange Quarterly, vol.11, no.2, pp.3679-3685, 2007 (Peer-Reviewed Journal)
- XVI. **Interpreting a Graph and Constructing its Derivative Graph Stability and Change in Students Conceptions**  
UBUZ B.  
International Journal of Mathematical Education in Science and Technology, vol.38, no.5, pp.609-637, 2007 (Scopus)
- XVII. **Yaratıcı drama temelli matematik dersleri hakkında öğretmen görüşleri**

- DUATEPE PAKSU A., UBUZ B.  
Yaratıcı Drama Dergisi, vol.1, pp.193-206, 2007 (Peer-Reviewed Journal)
- XVIII. **Figural and conceptual aspects in defining and identifying Polygons**  
UBUZ B., Işıl Ü.  
Eurasian Journal of Educational Research, vol.16, pp.15-26, 2004 (Peer-Reviewed Journal)
- XIX. **Students Conceptions of fractions A study of 5th grade students**  
HASER Ç., UBUZ B.  
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.24, pp.64-69, 2003 (Peer-Reviewed Journal)
- XX. **Kesirlerde kavramsal ve işlemsel performans**  
HASER Ç., UBUZ B.  
Eğitim ve Bilim, vol.27, no.126, pp.53-61, 2002 (Peer-Reviewed Journal)
- XXI. **First year engineering students understanding of tangency numerical calculation of gradients and the approximate value of a function at a point through computers**  
UBUZ B.  
Journal of Computers in Mathematics and Science Teaching, vol.20, no.1, pp.111-135, 2001 (Peer-Reviewed Journal)
- XXII. **The role of examples in the formation of concepts in mathematics**  
UBUZ B., Burcu K.  
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.15, pp.94-103, 2000 (Peer-Reviewed Journal)
- XXIII. **10 ve 11 sınıf öğrencilerinin geometride kavram yanlışları ve cinsiyet farklılıkları**  
UBUZ B.  
Dokuz Eylül Üniversitesi Buca Eğitim Fakültesi Dergisi, vol.11, pp.179-184, 1999 (Peer-Reviewed Journal)
- XXIV. **Current state of the mathematics education community in Turkey**  
UBUZ B., Aşkar P.  
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.15, pp.94-103, 1999 (Peer-Reviewed Journal)
- XXV. **Genel matematik de calculus öğrenci hataları**  
UBUZ B.  
Matematik Dünyası, vol.8, pp.9-11, 1999 (Peer-Reviewed Journal)
- XXVI. **10 ve 11 sınıf öğrencilerinin temel geometri konularındaki hataları ve kavram yanlışları**  
UBUZ B.  
Hacettepe Üniversitesi Eğitim Fakültesi Dergisi, vol.16, pp.95-104, 1999 (Peer-Reviewed Journal)
- XXVII. **The effect of problem solving method with handout material on achievement in solving max min word problems**  
UBUZ B., ERSOY Y.  
Journal of Mathematical Behavior, vol.16, no.1, pp.75-85, 1997 (Peer-Reviewed Journal)
- XXVIII. **Problem solving method with handout material max min word problems**  
UBUZ B.  
International Journal of Mathematical Education in Science and Technology, vol.25, no.3, pp.367-376, 1994 (Scopus)

## **Books & Book Chapters**

- I. **Examining a Technology and Design Course in Middle School in Turkey: Its Potential to Contribute to STEM Education.**  
Ubuz B.  
in: Advances in STEM Education: Integrated Approaches to STEM Education, Judy Anderson, Yeping Li, Editor, Springer Nature, Chur, pp.295-312, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **An introduction to TWG26: Mathematics in the context of STEM education**  
UBUZ B., den Braber N., Cascella C., Stephan M.  
Thirteenth Congress of the European Society for Research in Mathematics Education (CERME13), Budapest, Hungary, 10 July 2023
- II. **Engineering design process on designing a neighborhood in project- based learning environment: a comparison of field dependent and field independent cognitive style students**  
UBUZ B., AYDINYER Y.  
Thirteenth Congress of the European Society for Research in Mathematics Education (CERME13), Budapest, Hungary, 10 July 2023
- III. **Reasoning for the relationships on particular quadrilaterals in a dynamic geometry environment: A comparison of field-dependent and field independent cognitive style students**  
AYDINYER Y., UBUZ B.  
Thirteenth Congress of the European Society for Research in Mathematics Education (CERME13), Budapest, Hungary, 10 July 2023
- IV. **Introduction to the papers of TWG26: Mathematics in the context of STEM education**  
Ubuz B., Stephan M., Cascella C., Den Braber N.  
Twelfth Congress of the European Society for Research in Mathematics Education (CERME12), Bolzano, Italy, 02 February 2022, pp.1-8
- V. **Exploring the engineering design process on designing a neighborhood in project-based learning environment**  
UBUZ B., AYDINYER Y.  
Twelfth Congress of the European Society for Research in Mathematics Education (CERME12), Bolzano, Italy, 02 February 2022
- VI. **Introduction to TWG26: Mathematics in the context of STEM education**  
UBUZ B., Gravemeijer K., Stephan M., Capraro P.  
CERME 11, Utrecht, Netherlands, 5 - 10 February 2019, pp.4713-4720
- VII. **Opportunities to engage in STEM practices: Technology and design course**  
UBUZ B.  
CERME 11, Utrecht, Netherlands, 5 - 10 February 2019, pp.4799-4806
- VIII. **Cognitive levels of the tasks in Turkish children magazine: A content analysis**  
Ubuz B., Ata Aktürk A., Çetin M.  
ECER , Bolzano, Italy, 4 - 07 September 2018, pp.1-3
- IX. **Exploring cognitive demans of mathematics and geometry questions in Turkish national university entrance exams**  
Ubuz B., Alp A.  
ECER, Bolzano, Italy, 4 - 07 September 2018, pp.1-3
- X. **Why Do Students Remember Some Teacher-Generated Analogies More Than Others?**  
Ubuz B., Sezer E. Ü.  
ECER, Bolzano, Italy, 4 - 07 September 2018, pp.1-3
- XI. **RTAÖĞRETİME GEÇİŞ SINAVI MATEMATİK SORULARININ BİLİŞSEL İSTEM SEVİYELERİNE GÖRE İNCELENMESİ**  
UBUZ B.  
12. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Trabzon, Turkey, 28 September - 30 August 2016
- XII. **Minus sign in algebraic equations students strategies and difficulties**  
UBUZ B., ARSLAN O.  
40th PME Annual Conference, Szeged, Hungary, 3 - 07 August 2016, vol.1, pp.253-254
- XIII. **Models of Mathematical Thinking about the Derivative A Multilevel Analysis**  
UBUZ B., Aydın U.  
13th International Congress on Mathematics Education, Hamburg, Germany, 24 - 31 July 2016, pp.1-4

- XIV. **Use of concept maps in analysing conception of function**  
UBUZ B.  
AERA, Chicago, United States Of America, 16 - 20 April 2015
- XV. **Argumentation in undergraduate math courses A study on problem solving**  
UBUZ B., Dinçer S., BÜLBÜL A.  
PME38/PME-NA36, Vancouver, Canada, 15 - 20 July 2014, vol.5, pp.305-312
- XVI. **Argumentation in undergraduate math courses A study on definition construction**  
UBUZ B., Dinçer S., BÜLBÜL A.  
the 37th Conference of the International Group for the Psychology of Mathematics Education, 28 July - 02 August 2013, vol.4, pp.313-320
- XVII. **FACTORS THAT FOSTER OR HINDER MATHEMATICAL THINKING**  
UBUZ B., Matos J. F., Lerman S.  
36th Annual Conference of the International-Group-for-Psychology-of-Mathematics-Education (PME 36), Taipei, Taiwan, 18 - 22 July 2012, pp.162
- XVIII. **ARGUMENTATION IN UNDERGRADUATE MATH COURSES : A STUDY ON PROOF GENERATION**  
UBUZ B., Dincer S., BÜLBÜL A.  
36th Annual Conference of the International-Group-for-Psychology-of-Mathematics-Education (PME 36), Taipei, Taiwan, 18 - 22 July 2012, pp.163-170
- XIX. **Mathematical thinking research by Turkish community**  
UBUZ B., KAZAK S., AKKOÇ H., ÖZMANTAR M. F.  
35th Conference of the International Group for the Psychology of Mathematics Education, 10 - 15 July 2011
- XX. **MATHEMATICAL THINKING RESEARCH BY TURKISH COMMUNITY**  
UBUZ B., KAZAK S., AKKOÇ H., ÖZMANTAR M. F.  
35th Annual Conference of the International-Group-for-the-Psychology-of-Mathematics-Education (PME), Ankara, Turkey, 10 - 15 July 2011, pp.203-228
- XXI. **A SURVEY OF MATHEMATICS EDUCATION DOCTORAL PROGRAMS IN TURKEY**  
UBUZ B., ÇAKIROĞLU E., ERBAŞ A. K.  
35th Annual Conference of the International-Group-for-the-Psychology-of-Mathematics-Education (PME), Ankara, Turkey, 10 - 15 July 2011, pp.187-201
- XXII. **PRE-SERVICE TEACHERS SUBJECT MATTER KNOWLEDGE: THE CASE OF COMPOSITE AND INVERSE FUNCTIONS**  
Karahasan B., UBUZ B.  
35th Annual Conference of the International-Group-for-the-Psychology-of-Mathematics-Education (PME), Ankara, Turkey, 10 - 15 July 2011, pp.330
- XXIII. **MATHEMATICS TEACHER EDUCATION IN TURKEY**  
UBUZ B., UÇAR Z. T.  
35th Annual Conference of the International-Group-for-the-Psychology-of-Mathematics-Education (PME), Ankara, Turkey, 10 - 15 July 2011, pp.229-235
- XXIV. **DOCTORAL PROGRAMS IN MATHEMATICS EDUCATION: CURRENT STATUS AND FUTURE PATHWAYS FOR TURKEY**  
UBUZ B., ÇAKIROĞLU E., ERBAŞ A. K.  
7th Congress of the European-Society-for-Research-in-Mathematics-Education (ERME), Rzeszow, Poland, 9 - 13 February 2011, pp.1521-1530
- XXV. **COGNITIVE DEMANDS IN THE US AND TURKISH PRIMARY MATHEMATICS TEXTBOOKS: THE CASE OF DECIMALS**  
UBUZ B., Hacıomeroglu E. S., Hacıomeroglu G.  
34th Conference of the International-Group-for-the-Psychology-of-Mathematics-Education, Belo Horizonte, Brazil, 18 - 23 July 2010, pp.116
- XXVI. **MATHEMATICAL TASKS TO PROMOTE STUDENT LEARNING**  
BAYAZIT I., UBUZ B., AKSOY Y.  
33rd Conference of the International-Group-for-the-Psychology-of-Mathematics-Education, Thessaloniki, Greece,



- 19 - 24 July 2009, vol.2, pp.129-130
- XXVII. **PROOF IN ELEMENTARY MATHEMATICS: A CASE OF ALGEBRA**  
UBUZ B.  
33rd Conference of the International-Group-for-the-Psychology-of-Mathematics-Education, Thessaloniki, Greece,  
19 - 24 July 2009, vol.1, pp.480
- XXVIII. **PRE-SERVICE TEACHER-GENERATED ANALOGIES FOR FUNCTION CONCEPTS**  
UBUZ B., ERYILMAZ ÇEVİRGEN A., Aydın U., BAYAZIT I.  
6th Congress of the European-Society-for-Research-in-Mathematics-Education (CERME), Lyon, France, 28 January  
- 01 February 2009, pp.1871-1879
- XXIX. **INSTRUCTIONAL ANALOGIES AND STUDENT LEARNING: THE CONCEPT OF FUNCTION**  
BAYAZIT I., Ubuz B.  
32nd Conference of the International-Group-for-the-Psychology-of-Mathematics-Education/PME-NA XXX, Morelia,  
Mexico, 17 - 21 July 2008, pp.145-147
- XXX. **Student conceptions and textbook messages**  
UBUZ B.  
Proceedings of PME 30, Prag, Czech Republic, 11 - 16 July 2006, vol.1, pp.347-348
- XXXI. **STUDENT CONCEPTIONS AND TEXTBOOK MESSAGES: POLYGONS**  
UBUZ B.  
30th Conference of the International-Group-for-the-Psychology-of-Mathematics-Education, Prague, Czech Republic,  
16 - 21 July 2006, pp.347
- XXXII. **Drama temelli geometri ders planlarının geliştirilmesi ve Uygulanması**  
DUATEPE PAKSU A., UBUZ B.  
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- XXXIII. **Students' development of geometrical concepts through a dynamic learning environment**  
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ŞANDIR H., UBUZ B., ARGÜN Z.  
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UBUZ B., Kırkpınar B.  
Proceedings of PME 24, 23 - 27 July 2000, vol.4, pp.241-248

## Supported Projects

UBUZ B., Ata Aktürk A., Çetin M., Project Supported by Higher Education Institutions, Okul Öncesi Dönem Çocuk Dergilerinde Yer alan Etkinliklerde Bilişsel İstem Seviyelerinin Uygulamalı Olarak İncelenmesi, 2018 - 2019

## Scientific Refereeing

TUBITAK Project, 3501 - National Young Researcher Career Development Program, TUBITAK, Turkey, November 2023  
TUBITAK Project, 3501 - National Young Researcher Career Development Program, TUBITAK, Turkey, November 2023  
TUBITAK Project, 2204-B Middleschool Students Research Projects Competition , TUBITAK, Turkey, May 2023  
TUBITAK Project, 2204-B Middleschool Students Research Projects Competition , TUBITAK, Turkey, May 2023  
TUBITAK Project, 2204-A High School Students Research Projects Competition , TUBITAK, Turkey, March 2023  
TUBITAK Project, 2204-B Middleschool Students Research Projects Competition , TÜBİTAK, Turkey, November 2022  
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CERME 12, 2-5 Feb 2022, Conference Paper (Full Text), September 2021  
TUBITAK Project, 2204-B Middleschool Students Research Projects Competition , TÜBİTAK, Turkey, April 2021  
TUBITAK Project, 2204-A High School Students Research Projects Competition , TÜBİTAK, Turkey, March 2021  
CERME 11, Conference Paper (Full Text), October 2018  
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INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, SCI Journal, June 2018  
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EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, SCI Journal, February 2018

## Tasks In Event Organizations

Ubuz B., Virtual Pre-CERME Event, Scientific Congress, London, England, Şubat 2021  
Aşkun C. S., Özden M. Y., Hürmeriç Altunsöz I., Korkusuz F., Seferoğlu G., Ubuz B., Yıldırım A., Akar H., Yılmaz Tüzün Ö., Delialioğlu Ö., et al., International Applied Education Congress, Scientific Congress, Ankara, Turkey, Eylül 2012

## Metrics

Publication: 82  
Citation (WoS): 195  
Citation (Scopus): 159  
H-Index (WoS): 7  
H-Index (Scopus): 7

## Congress and Symposium Activities

13th Congress of the European Society For Research in Mathematics Education, Working Group, Budapest, Hungary, 2024

## Invited Talks

IXth International Eurasian Educational Research Congress, Conference, Anı Yayıncılık, PennState University, Ege University, Turkey, June 2022

ODTÜ Bilim Ağacı Seminerleri 1: Temel Bilimler, Seminar, Middle East Technical University, Turkey, May 2022

The impact of Covid 19 on education, Seminar, Beştepe Koleji A-Level Day, Turkey, September 2021

## **Representation and Promotion Activities**

Institutional Representation, Beştepe Koleji, Turkey, Ankara, 2021 - 2021

## **Non Academic Experience**

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