

## Assoc. Prof. BEHZAT BEKTAŐLI

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-5789-758X

Publons / Web Of Science ResearcherID: I-8772-2013

Yoksis Researcher ID: 170603

### Education Information

Doctorate, The Ohio State University, College Of Education, Science Education, United States Of America 2002 - 2006

Masters (Non-Thesis), The Ohio State University, College Of Education, Science Education, United States Of America 2000 - 2002

Undergraduate, Cukurova University, Fen, Fizik, Turkey 1990 - 1995

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, The Relationships between Spatial Ability, Logical Thinking, Mathematic Performance and Kinematics Graphs Interpretation Skills of 12th Grade Physics Students, Ohio State University, Science Education, 2006

### Research Areas

Social Sciences and Humanities, Education, Education in Natural Sciences, Education in Physics

### Academic Titles / Tasks

Assistant Professor, Hacettepe University, Eđitim Fakóltesi, Matematik ve Fen Bilimleri Eđitimi Bölümü, 2017 - 2017

Assistant Professor, Hacettepe University, Eđitim Fakóltesi, Matematik ve Fen Bilimleri Eđitimi Bölümü, 2013 - 2017

Lecturer PhD, Hacettepe University, Eđitim Fakóltesi, Matematik ve Fen Bilimleri Eđitimi Bölümü, 2007 - 2013

### Courses

ASTRONOMİ, Undergraduate, 2016 - 2017

FEN ÖđRETİMİ LAB UYGULAMALARI I, Undergraduate, 2016 - 2017

ÖđRETMENLİK UYGULAMASI, Undergraduate, 2016 - 2017

Genel Fizik III Lab, Undergraduate, 2016 - 2017  
FEN BİLGİSİ LAB UYG II, Undergraduate, 2016 - 2017  
GENEL FİZİK III, Undergraduate, 2016 - 2017  
OKUL DENEYİMİ, Undergraduate, 2016 - 2017  
FEN ÖĞRETMENLERİ İÇİN ASTRONOMİ, Postgraduate, 2016 - 2017  
MODERN FİZİĞE GİRİŞ, Undergraduate, 2016 - 2017  
TOPLUMA HİZMET UYGULAMALARI, Undergraduate, 2016 - 2017

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

- I. **The Development of Astronomy Concept Test for Determining Preservice Science Teachers' Misconceptions About Astronomy**  
Bektaşlı B.  
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.38, no.168, pp.362-372, 2013 (SSCI)
- II. **The Relationships Between Logical Thinking, Gender, and Kinematics Graph Interpretation Skills**  
BEKTAŞLI B., White A. L.  
EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.12, no.48, pp.1-19, 2012 (SSCI)
- III. **Consistency of Students' Ideas about the Concept of Rate across Different Contexts**  
BEKTAŞLI B., ÇAKMAKCI G.  
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.36, no.162, pp.273-287, 2011 (SSCI)

## Articles Published in Other Journals

- I. **The relationship between science teachers' attitude toward astronomy and their understanding of basic astronomy concepts**  
Bektaşlı B.  
International Journal of Progressive Education, vol.12, no.1, pp.108-116, 2016 (Peer-Reviewed Journal)
- II. **In-Service Science Teachers' Astronomy Misconceptions**  
BEKTAŞLI B.  
Mediterranean Journal of Educational Research, vol.15, pp.1-10, 2014 (Peer-Reviewed Journal)
- III. **The Effect of Media on Preservice Science Teachers' Attitudes toward Astronomy and Achievement in Astronomy Class**  
BEKTAŞLI B.  
TOJET: The Turkish Online Journal of Educational Technology, vol.12, no.1, pp.139-146, 2013 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Astronomi eğitiminde kavram yanlışları**  
Bektaşlı B.  
in: Etkinliklerle astronomi öğretimi, Sedat Karaçam, Editor, Palme, Ankara, pp.5-20, 2021
- II. **Dünya, Ay ve Güneş**  
Bektaşlı B.  
in: Astronomi, Mehmet Altan Kurnaz, Editor, Pegem, Ankara, pp.129-166, 2019
- III. **Astronomi Eğitimi**  
Bektaşlı B.  
in: Fen Bilimleri Öğretimi ve STEM Etkinlikleri, Ahmet Tekbıyık & Gültekin Çakmakçı, Editor, Nobel, Ankara, pp.305-322, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **The connection between students astronomy knowledge and their attitudes toward astronomy course**  
Bektaşlı B.  
Twelfth International Congress of Qualitative Inquiry, Illinois, United States Of America, 18 - 21 May 2016, pp.1-2
- II. **Comparison of Pre service and In service Science Teachers Attitudes toward Astronomy**  
Bektaşlı B.  
8. ULUSLARARASI EĞİTİM ARAŞTIRMALARI KONGRESİ, Çanakkale, Turkey, 5 - 08 May 2016, pp.1-2
- III. **Fen Bilgisi Öğretmenlerinin Astronomi Yeterlilikleri**  
Bektaşlı B.  
2. Ulusal Fizik Eğitimi Kongresi, Ankara, Turkey, 10 - 12 September 2015, pp.1-2
- IV. **The Development of Astronomy Concept Test for Determining Preservice Science Teachers Misconceptions About Astronomy**  
Bektaşlı B.  
IETC International Educational Technology Conference, Kuala-Lumpur, Malaysia, 13 - 15 May 2013, pp.1-2
- V. **From Idea to Reality: Establishing Science Centers for Pre-service Teachers**  
KAPTAN F., HAKVERDİ CAN M., SÖNMEZ D., BEKTAŞLI B., BAYRAM Z., BATI K., ALBAYRAK SARI A.  
The International Symposium on Science Centers and Sustainable Development, İstanbul, Turkey, 11 - 13 June 2012
- VI. **Consistency of Students Ideas about the Concept of Rate across Different Contexts**  
Bektaşlı B., Çakmakçı G.  
National Association for Research in Science Teaching, Florida, United States Of America, 3 - 06 April 2011, pp.1-2
- VII. **Relationship Between Logical Thinking and Kinematics Graph Interpretation Skills**  
Bektaşlı B.  
School Science and Mathematics Association, Florida, United States Of America, 4 - 06 November 2010, pp.1-2
- VIII. **Evaluation of Test of Understanding Graphs in Kinematics TUG K**  
Bektaşlı B.  
School Science and Mathematics Association, Indiana, United States Of America, 15 - 17 November 2007, pp.1-2
- IX. **How Student Spatial Ability is Related to Graphical Displays in Physics Classroom**  
Bektaşlı B.  
School Science and Mathematics Association, Indiana, United States Of America, 15 - 17 November 2007, pp.1-2
- X. **The Relationship Between High School Students Physics Performance Graph Construction and Interpretation Abilities**  
Bektaşlı B.  
School Science and Mathematics Association, Texas, United States Of America, 10 - 12 November 2005, pp.1-2
- XI. **A Critical Look at Elementary and Middle School Pre Service Science Teachers Experiences in Science Teaching**  
Bektaşlı B.  
School Science and Mathematics Association, Texas, United States Of America, 10 - 12 November 2005, pp.1-2
- XII. **Students Performances on Test of Understanding Graphs in Kinematics TUG K**  
Bektaşlı B.  
School Science and Mathematics Association, Texas, United States Of America, 10 - 12 November 2005, pp.1-2
- XIII. **A look at environmental education through science teachers perspectives and textbooks coverage**  
Bektaşlı B., Oğuz Ünver A., Adadan E., Yalçınoğlu P.  
School Science and Mathematics Association, Georgia, United States Of America, 21 - 23 October 2004, pp.1-2
- XIV. **Students Understanding of Kinematics Graphs**  
Bektaşlı B.  
School Science and Mathematics Association, Georgia, United States Of America, 21 - 23 October 2004, pp.1-2
- XV. **Do Students Successfully Use Graphs in Kinematics?**  
Bektaşlı B.

## Supported Projects

BEKTAŐLI B., Project Supported by Higher Education Institutions, ÖĐRETMEN ADAYLARININ UZAMSAL GÖRSELLEŐTİRME YETENEKLERİ VE GÖKCİSİMLERİNİN HAREKETLERİNİ ZİHİNDE CANLANDIRMA YETENEKLERİ ARASINDAKİ İLİŐKİ, 2017 - 2018

BEKTAŐLI B., Project Supported by Higher Education Institutions, Fen ÖĐretmen Adaylarının ve Fen ÖĐretmenlerinin Astronomiye KarŐı Tutumlarının KarŐılaŐtırılması, 2016 - 2017

BEKTAŐLI B., Project Supported by Higher Education Institutions, ÖĐrencilerin astronomi bilgileri ve astronomiye karŐı tutumları arasındaki iliŐki, 2016 - 2017

BEKTAŐLI B., Project Supported by Higher Education Institutions, Fen Bilgisi ÖĐretmen Adaylarının Astronomi Konularındaki Kavramsal Yeterlilikleri, 2015 - 2017

## Metrics

Publication: 24

Citation (WoS): 15

Citation (Scopus): 15

H-Index (WoS): 2

H-Index (Scopus): 2

## Non Academic Experience

The Ohio State University

Somuncubaba Lisesi