

## Asst. Prof. Yurdagül BOĞAR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Middle East Technical University, Sosyal Bilimler Enstitüsü, İlköğretim (Dr), Turkey 2010 - 2018

Postgraduate, Gazi University, Eğitim Bilimleri Enstitüsü, Fen Bilgisi Eğitimi (YI) (Tezli), Turkey 2007 - 2010

Undergraduate, Eskisehir Osmangazi University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2006 - 2007

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, EXPLORING 6TH GRADE STUDENTS' SCIENTIFIC EPISTEMOLOGICAL BELIEFS AND METACOGNITIVE AWARENESS REGARDING ACHIEVEMENT LEVEL, Middle East Technical University, Sosyal Bilimler Enstitüsü, İlköğretim (Dr), 2018

Postgraduate, İlköğretim 7. Sınıflarda Maddenin Yapısı ve Özellikleri Konusunun Kavranmasında Yapılandırmacı Öğretim Modeli ve Cinsiyetin Etkisinin Araştırılması, Gazi University, Eğitim Bilimleri Enstitüsü, Fen Bilgisi Eğitimi (YI) (Tezli), 2010

### Academic Titles / Tasks

Hakkari University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2019 - Continues

Oslo Metropolitan (Oslomet) University, Department Of Teacher Education At International Studies, Department Of Primary And Secondary Teacher Education, 2023 - 2023

University Of Helsinki, Faculty Of Educational Sciences, Science Education, 2021 - 2023

Research Assistant, Middle East Technical University, Eğitim Fakültesi, 2011 - 2018

Research Assistant, The University of Tennessee, Faculty Of Education, Science Education, 2015 - 2016

Research Assistant, Middlesex University, Faculty Of Education, Science Education, 2014 - 2015

Research Assistant, Hakkari University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2009 - 2011

### Academic and Administrative Experience

Hakkari University, 2019 - Continues

## Courses

Bilim Tarihi ve Felsefesi, Undergraduate, 2023 - 2024

Fen Öğrenme ve Öğretim Yaklaşımları, Undergraduate, 2023 - 2024

Fen Bilimleri Laboratuvar Uygulamaları, Undergraduate, 2020 - 2021, 2019 - 2020

## Articles Published in Other Journals

- I. **Sign of the Times: The Framing of Computational Thinking in Danish, Finnish, and Norwegian Curricula**  
Pajchel K., Mifsud L., Frågât T., Rehder M. M., Juuti K., BOĞAR Y., Lavonen J., Schrøder V., Aalbergsjø S. G., Rognes A.  
Nordic Journal of Comparative and International Education, vol.8, no.4, 2024 (Scopus)
- II. **Tüm Yönleriyle Beyaz Zambaklar Ülkesi Finlandiya**  
BOĞAR Y.  
Derin Maarif, no.18, pp.46-49, 2024 (Non Peer-Reviewed Journal)
- III. **COVID-19 Pandemisinde Yüksek Öğretim Öğrencilerinin Değişen Alışkanlıkları**  
BOĞAR Y.  
Türkiye Özel Okullar Derneği Dergisi, no.56, pp.72-74, 2021 (Non Peer-Reviewed Journal)
- IV. **Improvement of Students' Scientific Epistemological Beliefs and Metacognitive Awareness through Argumentation-Based Inquiry Teaching**  
BOĞAR Y.  
Osmangazi Journal of Educational Research, vol.7, no.2, pp.122-144, 2020 (Peer-Reviewed Journal)
- V. **Evaluation of the scientific reasoning skills of 7th grade students in science course**  
BOĞAR Y.  
Universal Journal of Educational Research, vol.7, no.6, pp.1430-1441, 2019 (Scopus)
- VI. **Review of National and International Studies on Scientific Argumentation in Education**  
BOĞAR Y.  
SINIRSIZ EĞİTİM VE ARAŞTIRMA DERGİSİ = THE JOURNAL OF LIMITLESS EDUCATION AND RESEARCH, vol.4, no.1, pp.90-120, 2019 (Peer-Reviewed Journal)
- VII. **Synthesis Study on Argumentation in Science Education**  
BOĞAR Y.  
INTERNATIONAL EDUCATION STUDIES, vol.12, no.9, pp.1-14, 2019 (Peer-Reviewed Journal)
- VIII. **Literature Review on Inquiry-Based Learning in Science Education**  
BOĞAR Y.  
International Journal of Science and Education, vol.1, no.2, pp.91-118, 2019 (Peer-Reviewed Journal)
- IX. **Literature review on metacognition and metacognitive awareness**  
BOĞAR Y.  
Anatolian Journal of Teacher, vol.2, no.2, pp.136-168, 2018 (Peer-Reviewed Journal)
- X. **Türkiye'de ve Amerika Birleşik Devletleri'nde Öğretmenlere Yönelik Mesleki Gelişim Programlarının İncelenmesi**  
BOĞAR Y.  
The Journal of International Education Science, vol.4, no.10, pp.223-234, 2017 (Peer-Reviewed Journal)
- XI. **To what extent does parents involvement in middle school influence children s educational progress**  
Karıbayeva A., BOĞAR Y.  
Procedia-Social and Behavioral Sciences, vol.152, pp.529-533, 2014 (Peer-Reviewed Journal)
- XII. **The Effects of Constructive Learning Method on Students Academic Achievement Retention of Knowledge Gender and Attitudes Towards Science Course in Structure and Characteristics of Matter**  
BOĞAR Y., KALENDER S., SARIKAYA M.  
Procedia-Social and Behavioral Sciences, vol.46, pp.1766-1770, 2012 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Disiplinlerarası Fen Öğretiminde STEM, STEAM ve E-STEM**  
BOĞAR Y.  
in: Disiplinlerarası Fen Öğretimi: Okul Öncesinden Ortaöğretime STEM, STEAM ve E-STEM Uygulamalarıyla, Aydoğdu Bülent,Yıldız-Duban Nil, Editor, Anı Yayıncılık, Ankara, pp.207-240, 2022
- II. **Status and Trends of STEM Education in Finland**  
BOĞAR Y., LAVONEN J.  
in: Status and Trends of STEM Education in Highly Competitive Countries: Country Reports and International Comparison, , Editor, Technological and Vocational Education Research Center, National Taiwan Normal University, and K-12 Education Administration, Ministry of Education, pp.45-95, 2022
- III. **PISA Sonuçlarına Göre Finlandiya'nın Fen Okuryazarlığı'nda Başarılı Olma Nedenleri**  
BOĞAR Y.  
in: Gelecek İçin Eğitim: Yüksek Performanslı Eğitim Sistemlerinden Öğrendiklerimiz, Demirel Özcan,Özdiyar Gedik Özlenen,Soysal Sümeyra,Akkuş Çakır Nur, Editor, Pegem Akademi Yayıncılık, Ankara, pp.19-40, 2022
- IV. **Sinirbilim ve Eğitsel Sinirbilimin Tarihçesi**  
BOĞAR Y.  
in: Eğitimsel Sinirbilim, Keleş Esra, Editor, Nobel Akademik Yayıncılık, Ankara, pp.27-41, 2022
- V. **STEM Ürünleri: Akademik Çalışmalar, Sosyal Etkinlikler ve Projeler**  
BOĞAR Y.  
in: Eğitimcinin STEM Öğrenme Yolculuğu, Nuhoğlu, Hasret, Editor, Pegem Akademi Yayıncılık, Ankara, pp.421-446, 2021
- VI. **Discovering Students' Metacognitive Awareness**  
BOĞAR Y.  
Akademisyen Kitabevi, Ankara, 2020
- VII. **Pandemisinin Eğitime Olan Etkilerinin Değerlendirilmesi ve Fen Eğitiminin Sanallaştırılması**  
BOĞAR Y.  
in: Eğitim Sosyal ve Beşerî Bilimlerine Multidisipliner Bakış, Etem Yeşilyurt, Editor, Güven Plus A. Ş. Yayınları, pp.78-108, 2020
- VIII. **Synthesis Study on Epistemological Beliefs in Education**  
BOĞAR Y.  
in: Academic Studies in Educational Sciences, Harun ŞAHİN, Editor, Ivpe, pp.53-94, 2019
- IX. **Epistemology in Science Education Research: A Journal Content Analysis from 2005 to 2016**  
BOĞAR Y.  
in: Educational Studies in Science and Mathematics, Lütfiye Özalemdar, Editor, Cambridge Scholar Publishing, pp.1-12, 2018
- X. **Elementary School Students' Reasoning Skills: A Meta-Analysis**  
BOĞAR Y.  
in: Educational Studies in Science and Mathematics, Lütfiye Özalemdar, Editor, Cambridge Scholar Publishing, pp.121-135, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **Representations of Computational Thinking in Policy Documents in an Educational Context: The Cases of Denmark, Finland, and Norway**  
ANDERSEN R., FRAGAT T., BOĞAR Y., JENSEN J. J., MIFSUD L.  
International Society of the Learning Sciences (ISLS) Annual Meeting 2023, Montreal, Canada, 10 - 15 June 2023
- II. **A Model for Computational Thinking in School and Teacher Education**  
FRAGAT T., MIFSUD L., SOLLID P. Ø., BOĞAR Y., SUNDTJONN T.  
ECER 2023 Conference, Glasgow, England, 22 - 25 August 2023

- III. **Recognizing and Applying Computational Thinking Skills within an Entangled STEAM Curriculum Unit**  
PERTTULI-BOROBIO E., MARKKANEN A., BOĞAR Y., JUUTI K.  
Nordic Educational Research Association (NERA) Conference 2023, Oslo, Norway, 15 - 17 March 2023
- IV. **Evaluation of Finnish Middle School Students' STEM Awareness, Career Interest, and Engineering Design Skills**  
BOĞAR Y., LAVONEN J.  
Nordic Educational Research Association (NERA) Conference 2023, Oslo, Norway, 15 - 17 March 2023
- V. **Ebeveynlik Konusunu Ele Alan Çalışmaların Araştırma Eğilimlerinin Belirlenmesi**  
BOĞAR Y.  
6. Toplumsal Cinsiyet Adaleti Kongresi, İstanbul, Turkey, 05 March 2020
- VI. **Exploring 6th Grade Students' Scientific Epistemological Beliefs Regarding Achievement Level**  
BOĞAR Y.  
International Conference on Science, Mathematics, Entrepreneurship and Technology Education, İzmir, Turkey, 12 - 14 April 2019
- VII. **Determination of Students' Tendency to Pursue Argumentation**  
BOĞAR Y.  
International Conference on Science, Mathematics, Entrepreneurship and Technology Education, İzmir, Turkey, 12 - 14 April 2019
- VIII. **Analysis of Theses Conducted by Using Design-Based Research Method in the Field of Education**  
BOĞAR Y.  
3rd International Congress on Science and Education (UBEK-ICSE), Afyon, Turkey, 21 - 24 March 2019
- IX. **Exploring 6th Grade Students' Metacognitive Awareness Regarding Achievement Level**  
BOĞAR Y.  
3rd International Congress on Science and Education (UBEK-ICSE), Afyon, Turkey, 21 - 24 March 2019
- X. **Türk Toplumunda Aile Yapısı Üzerine Yapılan Araştırmaların Tematik Olarak Değerlendirilmesi**  
BOĞAR Y.  
5. Toplumsal Cinsiyet Adaleti Kongresi, İstanbul, Turkey, 05 March 2019
- XI. **Türkiye'de Eğitim Alanında Üstbilişsel Farkındalık Üzerine Yapılan Tezlerin Tematik Analizi**  
BOĞAR Y.  
X. Ulusal Öğretmenim Sempozyumu, Marmara University, İstanbul, Turkey, 01 December 2018
- XII. **Türkiye'de Epistemolojik İnançlar Üzerine Yapılan Makalelerin Tematik Analizi.**  
BOĞAR Y.  
at 2nd. International Congress on Science and Education (UBEK-ICSE), Afyon, Turkey, 28 - 30 September 2018
- XIII. **6. Sınıf Öğrencilerinin Bilimsel Epistemolojik İnançlarının Gelişimi Üzerine Bilimsel Argümantasyonun Etkisinin İncelenmesi**  
BOĞAR Y.  
8th International Congress of Research in Education (ICRE), Manisa, Turkey, 9 - 11 May 2018
- XIV. **STEM Education in Turkey: A Content Analysis**  
BOĞAR Y.  
X. International Congress of Educational Research, Nevşehir, Turkey, 27 - 30 April 2018
- XV. **Improvement of Middle School Students' Scientific Epistemological Beliefs and Metacognitive Awareness through Scientific Argumentation**  
BOĞAR Y.  
X. International Congress of Educational Research, Nevşehir, Turkey, 27 - 30 April 2018
- XVI. **Development of 6th Grade Students' Scientific Epistemological Beliefs through Scientific Argumentation-Based Teaching**  
BOĞAR Y.  
27th International Conference on Educational Sciences (ICES), Antalya, Turkey, 18 - 22 April 2018
- XVII. **Epistemology in Science Education Research: A Journal Content Analysis from 2005 to 2016**  
BOĞAR Y.  
International Conference of Strategic Research in Social Science and Education (ICoSReSSE), Prag, Czech Republic,

12 - 14 May 2017

- XVIII. **Ortaokul Sınıflarında Mühendislik Becerilerinin Geliştirilmesi için STEM Tabanlı Öğrenme Ortamının Tasarımı**  
BOĞAR Y.  
7th International Congress of Research in Education (ICRE), Çanakkale, Turkey, 27 - 29 April 2017
- XIX. **Lisans Öğrencilerinin Bilimsel Teori ve Kanun Kavramlarına İlişkin Algılarının Belirlenmesi**  
BOĞAR Y.  
7th International Congress of Research in Education (ICRE), Çanakkale, Turkey, 27 - 29 April 2017
- XX. **Quality of A Group Middle School Students' Written Scientific Explanation**  
BOĞAR Y.  
26th International Conference on Educational Sciences (ICES), Antalya, Turkey, 20 - 23 April 2017
- XXI. **6. Sınıf Öğrencilerinin Bilimsel Epistemolojik İnançlarını ve Bilişüstü Farkındalıklarını Belirlemeye Yönelik Bir Çalışma**  
BOĞAR Y., ÇAKIROĞLU J.  
XII. National Science and Mathematics Education Conference (UFBMEK), Trabzon, Turkey, 28 - 30 September 2016
- XXII. **Elementary School Students' Reasoning Skills: A Meta-Analysis.**  
BOĞAR Y.  
The Annual Meeting of the National Association for Research in Science Teaching (NARST), Baltimore, United States Of America, 14 - 17 April 2016
- XXIII. **Elementary, Middle and High School Students' Scientific Reasoning Skills: A Content Analysis from 1980 to 2015**  
BOĞAR Y., ÇAKIROĞLU J.  
The Annual Meeting of the National Association for Research in Science Teaching (NARST), Baltimore, United States Of America, 14 - 17 April 2016
- XXIV. **Türkiye'de SSCİ'da Taranan Eğitim Dergilerinin Fen Eğitimi Alanında Araştırma Eğilimleri: İçerik Analizi**  
BOĞAR Y.  
2nd Cyprus International Congress of Education Research, Girne, Cyprus (Kkct), 3 - 06 December 2015, pp.22
- XXV. **The Importance of Teaching and Learning Nature of Science through Metacognitive Strategies: A Synthesizing Study**  
BOĞAR Y., ÇAKIROĞLU J.  
International Conference on Best Practices and Innovation in Education (INOVED), İzmir, Turkey, 26 - 28 October 2015, pp.74
- XXVI. **The Comparison of Higher Education in Turkey and the United States: A Comparative Study**  
BOĞAR Y.  
I. International Higher Education Studies Conference (IHEC), İstanbul, Turkey, 14 - 16 October 2015
- XXVII. **Türkiye'de ve ABD' de Öğretmenlere Yönelik Mesleki Gelişim Programlarının Geçmişten Günümüze Karşılaştırılmalı Olarak İncelenmesi**  
BOĞAR Y.  
II. International Eurasian Educational Research (EJER) Congress, Ankara, Turkey, 8 - 10 June 2015
- XXVIII. **Türkiye'de Fen Eğitiminde Eleştirel Düşünme Üzerine Yapılan Çalışmalarla İlgili Derleme**  
BOĞAR Y., ÇAKIROĞLU J.  
XI. National Science and Mathematics Education Conference (UFBMEK), Adana, Turkey, 11 - 14 September 2014
- XXIX. **Fen ve Teknoloji Öğretmen Adaylarının Çevre Eğitimine İlişkin Nitel Bir Çalışma**  
ARIK S., BOĞAR Y.  
XI. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi (XI. UFBMEK), Adana, Turkey, 11 - 14 September 2014, pp.762-763
- XXX. **To what extent does parents' involvement in middle school influence children's educational progress?**  
KARIBAYEVA A., BOĞAR Y.  
Educational Researches and Publications Association (ERPA) Congress, İstanbul, Turkey, 6 - 08 June 2014

- XXXI. **Eđitim Fakólterindeki Arařtırma Grevlilerinin Bilimsel Modeller Hakkındaki Anlayıřlarının İncelenmesi**  
YENİLMEZ TRKOđLU A., BOđAR Y.  
X. Ulusal Fen Bilimleri ve Matematik Eđitimi Kongresi (UFBMEK), Niđde, Turkey, 27 - 30 June 2012
- XXXII. **Fen ve Teknoloji Dersinde Kavram Haritası Kullanmanın đrencilerin Bařarıları ve Tutumlarına Etkisinin Arařtırılması**  
CANPOLAT S., BOđAR Y., SARIKAYA M.  
X. National Science and Mathematics Education Conference (UFBMEK), Niđde, Turkey, 27 - 30 June 2012
- XXXIII. **Argmantasyon Tabanlı Bilim đrenme (ATB) Raporlarının 7. Sınıf Elektrik Konusundaki Kazanımlarla İliřkisinin İncelenmesi**  
BIRCAN S., TAS M., BOđAR Y., TANRIVERDİ K.  
X. National Science and Mathematics Education Conference (UFBMEK), Niđde, Turkey, 27 - 30 June 2012
- XXXIV. **Fen ve Teknoloji đretmen Adaylarının Teknolojik Pedagojik Alan Bilgisi zgven Seviyelerinin Belirlenmesi**  
ARIK S., BOđAR Y.  
IV. International Congress of Educational Research, İstanbul, Turkey, 4 - 07 May 2012
- XXXV. **The Effects of Constructive Learning Method on Students' Academic Achievement, Retention of Knowledge, Gender and Attitudes Towards Science Course in "Structure and Characteristics of Matter" Unit**  
BOđAR Y., KALENDER S., SARIKAYA M.  
IV. World Conference on Educational Sciences (WCES), Barselona, Spain, 1 - 04 February 2012
- XXXVI. **İlkđretim 7. Sınıf đrencilerinin Fen Akademik Bařarılarına 5E Modeli ve Cinsiyet Etkilerinin Arařtırılması**  
BOđAR Y., KALENDER S., SARIKAYA M.  
IX. National Science and Mathematics Education Conference (UFBMEK), İzmır, Turkey, 23 - 25 September 2010
- XXXVII. **Sekizinci Sınıf đrencilerinin Mıknatıs ve zellikleri Konusunu Kavramalarına ve Fene Karřı Tutumlarına Çoklu Zekâ Kuramına Dayalı đrenme Modeli ve Cinsiyetin Etkileri**  
TURHAN E. A., KILIC E., BOđAR Y., SARIKAYA M.  
VIII. National Science and Mathematics Education Conference (UFBMEK), Bolu, Turkey, 27 - 29 August 2008

## Metrics

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