

## Prof. Sibel Balcı

### Personal Information

**Office Phone:** [+90 312 585 0234](tel:+903125850234)

**Email:** [sibel.balci@tedu.edu.tr](mailto:sibel.balci@tedu.edu.tr)

**Web:** <https://avesis.tedu.edu.tr/sibel.balci>

### International Researcher IDs

ORCID: 0000-0002-5354-3290

Publons / Web Of Science ResearcherID: G-3854-2018

ScopusID: 57192921766

Yoksis Researcher ID: 124124

### Education Information

Doctorate, Middle East Technical University, Faculty Of Education, Elementary Education, Turkey 2005 - 2010

Postgraduate, Middle East Technical University, Faculty Of Education, Mathematics And Science Education, Turkey 2002 - 2005

Undergraduate, Middle East Technical University, Faculty Of Education, Mathematics And Science Education, Turkey 1997 - 2002

### Dissertations

Doctorate, Effects of eco-school application on elementary school students' environmental literacy levels, Middle East Technical University, Graduate School Of Social Sciences, Elementary Education, 2010

Postgraduate, izni aracılığıyla (TÜBESS üzerinden) erişebilirsiniz. Improving 8th grade students' understanding of photosynthesis and respiration in plants by using 5E learning cycle and conceptual change text, Middle East Technical University, Faculty Of Education, 2005

### Research Areas

Elementary School Education, Teacher Training in Natural Sciences, Education in Natural Sciences

### Academic Titles / Tasks

Professor, TED University, Faculty Of Education, Department Of Elementary Education, 2019 - Continues

Associate Professor, TED University, Faculty Of Education, Department Of Elementary Education, 2017 - 2019

Associate Professor, Aksaray University, Eğitim Fakültesi, Temel Eğitim Bölümü, 2014 - 2017

Assistant Professor, Aksaray University, Eğitim Fakültesi, Temel Eğitim Bölümü, 2010 - 2014

Research Assistant, Aksaray University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2007 - 2010

### Academic and Administrative Experience

University Executive Board Member, TED University, Faculty Of Education, Department Of Elementary Education, 2021 -

Continues

Student Affairs Coordinator, TED University, Faculty Of Education, Department Of Elementary Education, 2021 -

Continues

Rectorate Commissioner, TED University, Faculty Of Education, Department Of Elementary Education, 2021 - Continues

Member of YÖKAK Institutional External Evaluation Commission, TED University, Faculty Of Education, Department Of Elementary Education, 2019 - Continues

Fakülte Yönetim Kurulu Üyesi, TED University, Faculty Of Education, Department Of Elementary Education, 2017 - Continues

Fakülte Kurulu Üyesi, TED University, Faculty Of Education, Department Of Elementary Education, 2017 - Continues

Member of the Senate, TED University, Faculty Of Education, Department Of Elementary Education, 2017 - Continues

Fakülte-Okul İşbirliği Komisyonu, 2019 - 2020

Çift Anadal, Yandal, Yatay Geçiş Komisyonu, 2019 - 2020

Vice Dean, TED University, Faculty Of Education, Department Of Elementary Education, 2018 - 2020

Eğitim Fakültesi Akreditasyon Komisyonu Başkanı, TED University, Faculty Of Education, Department Of Elementary Education, 2018 - 2019

## Courses

Research Methods in Education and Academic Publication Ethics, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Graduation Project, Postgraduate, 2021 - 2022, 2020 - 2021

Science Education, Undergraduate, 2020 - 2021

Environmental Education, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Science Education Methods in Primary Edu, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Introduction to Natural Sciences, Undergraduate, 2020 - 2021

Fundamental Science in Primary School, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Textbook Analysis in Primary School, Undergraduate, 2020 - 2021, 2019 - 2020

Sciences in Primary Education, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Lab. Applications in Science, Undergraduate, 2020 - 2021, 2019 - 2020

Introduction to Education, Undergraduate, 2019 - 2020, 2018 - 2019

Introduction to Education, Undergraduate, 2019 - 2020, 2018 - 2019

Practicum, Undergraduate, 2018 - 2019

Capstone Experience, Undergraduate, 2018 - 2019

Instructional Principles and Methods, Undergraduate, 2017 - 2018

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, TED Üniversitesi, March, 2023

August, 2021

February, 2021

February, 2021

November, 2020

November, 2020

November, 2020

September, 2020

June, 2020

May, 2020

May, 2020

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

- I. **What do primary school students' drawings tell us about their mental models on marine environments?**  
Atasoy V., Ahi B., Balcı S.  
International Journal of Science Education, vol.42, pp.2959-2979, 2020 (SSCI)
- II. **An analysis of plant blindness in Turkish textbooks used at the basic education level**  
Ahi B., Atasoy V., Balcı S.  
Journal of Baltic Science Education, vol.17, no.2, pp.277-287, 2018 (SSCI)
- III. **Exploring Turkish preservice teachers' mental models of the environment: Are they related to gender and academic level?**  
Ahi B., Balcı S., Alisinanoğlu F.  
Journal of Environmental Education, vol.48, no.3, pp.182-195, 2017 (SSCI)
- IV. **Elementary School Students' Perceptions of the Future Environment through Artwork**  
Balcı S., Ahi B.  
KURAM VE UYGULAMADA EDYTYM BYLYMLERY, 2014 (SSCI)
- V. **A Survey of Turkish Pre-Service Science Teachers' Attitudes Toward the Environment**  
Balcı S.  
EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.12, no.46, pp.121-140, 2012 (SSCI)
- VI. **Engagement, exploration, explanation, extension, and evaluation (5E) learning cycle and conceptual change text as learning tools**  
Balcı S., ÇAKIROĞLU J., ÖZTEKİN C.  
Biochemistry and Molecular Biology Education, vol.34, no.3, pp.199-203, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Environmental mental models of primary school students: Are they related to gender and grade level? İlkokul öğrencilerinin "çevre" kavramı hakkındaki zihinsel modelleri**  
Çalış-Şaşı D., Balcı S.  
International Electronic Journal of Environmental Education, vol.11, no.2, pp.127-144, 2021 (Scopus)
- II. **Ecology and the child: Determination of the knowledge level of children aged four to five about concepts of forest and deforestation1**  
Ahi B., Balcı S.  
International Research in Geographical and Environmental Education, vol.27, no.3, pp.234-249, 2018 (ESCI)
- III. **Mind the gap! Differences between parents' childhood games and their children's game preferences**  
Balcı S., Ahi B.  
Contemporary Issues in Early Childhood, vol.18, no.4, pp.434-442, 2017 (ESCI)
- IV. **"Where does the breath I take from my nose go? Children's knowledge about respiratory system "Burnumdan Aldığım Nefes Nereye Gidiyor?": Çocukların Solunum Sistemi Hakkındaki Bilgileri**  
Ahi B., Balcı S.  
Elementary Education Online, vol.16, no.1, pp.326-341, 2017 (Scopus)
- V. **The Concept of Environment in Folktales from Different Cultures: Analysis of Content and Visuals**  
Ahi B., Yaya D., Balcı S.  
International Electronic Journal of Environmental Education, vol.4, no.1, 2014 (Scopus)

## Books & Book Chapters

- I. **Eğitimde Nitel Araştırma: Teori ve Metodlara Giriş**  
Balcı S., Ahi B.

Pegem A Yayıncılık, Ankara, 2022

**II. Nitel Araştırmalarda Etik: İhtilafli Konular ve Bağlam**

Balcı S., Ahi B.

Anı Yayıncılık, Ankara, 2017

**III. SPSS Survival Manual: A Step by Step Guide to Data Analysis**

Balcı S., Ahi B.

Anı Yayıncılık, Ankara, 2016

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Bir 21. YY Becerisi Olarak Teknoloji Okur Yazarlığı Konusunda Öğretmenlerin Öz Değerlendirmeleri**  
Karagöl Ö. Ö., Balcı S.  
4. Uluslararası Uzaktan Öğrenme ve Yenilikçi Öğretim Teknolojileri Kongresi , Ankara, Turkey, 8 - 09 December 2022, pp.311-312
- II. **The Analysis of the Cognitive Models of Third and Fourth Graders about the Concept of Environment. 2. International Conference on Science, Mathematics, Entrepreneurship and Technology Education**  
ÇALIŞ ŞAŞI D., Balcı S.
- III. **Investigation of Plant Awareness of Primary School Students. 2. International Conference on Science, Mathematics, Entrepreneurship and Technology Education**  
GÜNEŞ G., Balcı S.
- IV. **İlkokul Öğrencilerinin Dünya ve Evren Hakkındaki Algıları**  
Balcı S., Yıldırım Ş.
- V. **The Assessment of Web Sites Related With Teaching Science and Mathematics Used by 4th and 5th Grade Elementary Students and Their Teachers**  
Sahinkaya N., Balcı S., Ozsoy G.  
pp.512-517

## **Activities in Scientific Journals**

International Electronic Journal of Environmental Education, 2010 - Continues

## **Memberships / Tasks in Scientific Organizations**

ULAKBİM SOSYAL DİZİN, Member of Science Committee, 2021 - Continues, Turkey

## **Scientific Consultations**

TÜBİTAK ULAKBİM , Scientific Consultancy, TED University, Faculty Of Education, Department Of Elementary Education, Turkey, 2022 - Continues

EPDAD, Scientific Consultancy, TED University, Faculty Of Education, Department Of Elementary Education, Turkey, 2020 - Continues

YÖKAK, Scientific Consultancy, TED University, Faculty Of Education, Department Of Elementary Education, Turkey, 2020 - Continues

## **Tasks In Event Organizations**

BALCI S., III. International Teacher Education and Accreditation Congress, Turkey, Aralık 2019

BALCI S., III. International Teacher Education and Accreditation Congress, Turkey, Aralık 2019

BALCI S., TÜBİTAK 2229- Kuramdan Uygulamaya Nitel Araştırma, Turkey, Ocak 2019