

VOLUME 8
ISSUE 2



**SCIENTIFIC
EDUCATIONAL
STUDIES**

e-ISSN 2602-4527

DECEMBER 2024

Volume 8**Issue 2****December 2024****e-ISSN: 2602-4527**

Journal of Scientific Educational Studies (SES) is an international, peer-reviewed and indexed journal that publishes 2 issues per year, June and December. All legal responsibilities of the manuscripts published in Scientific Educational Studies belong to the authors. Anyone is allowed to copy the article on condition that the original article and source is correctly cited. The manuscripts can not be printed or copied without proper written permission of the publisher. The manuscripts submitted to the journal is not returned, even if it is accepted or rejected for publication.

Scientific Educational Studies is included in the following abstracting, citation and information retrieval systems: Google Scholar, Index Copernicus, International Citation Index, Scientific World Index, Rootindexing, ResearchBib, ASOS index, World Catalogue of Scientific Journal, Science Library Index, ROAD, Directory of Indexing and Impac Factor, Eurasian Scientific Journal Index, Journal Factor, Sindex, DRJI, General Impact Factor, Infobase Index, Cosmos If, Kaynakça.info

Contact

<http://dergipark.gov.tr/ses>
scientificeducationalstudies@gmail.com

**Kahramanmaraş Sütçü İmam University Faculty of Education Department of
Educational Sciences**

Kahramanmaraş / Turkey**2024**

Owner

Prof. Dr. Mahmut Saęır

Editors

Prof. Dr. Bayram ořtu

Prof. Dr. Mahmut Saęır

Assoc. Prof. Dr. Birsal Aybek

Executive Editors

Prof. Dr. Evrim Ural

Dr. Seda Baysal Doęruluk

Dr. Sıddık Doęruluk

Statistics Editor

Assoc. Prof. Dr. Fatih Oran

Language Editor

Dr. Seda Baysal Doęruluk

Technical Editor

Hasan Emlik

Field Editors

Educational Administration

Prof. Dr. Yusuf Cerit (Abant İzzet Baysal University)
Prof. Dr. Celal Teyyar Uğurlu (Hatay Mustafa Kemal University)

Curriculum and Instruction

Prof. Dr. Hansel Burley (Texas Tech University)
Prof. Dr. Serkan Ünsal (Kahramanmaraş Sütçü İmam University)
Assoc. Prof. Dr. Mükerrerem Akbulut Taş (Çukurova University)

Educational Measurement and Evaluation

Assoc. Prof. Dr. Erkan Hasan Atalmış (Manisa Celal Bayar University)

Psychological Counseling and Guidance

Assoc. Prof. Dr. İsmail Yelpaze (Kahramanmaraş Sütçü İmam University)

Mathematics Education

Prof. Dr. Adnan Baki (Karadeniz Teknik University)

Science Education

Prof. Dr. Mansoor Niaz (Universidad de Oriente)
Prof. Dr. Nilgün Seçken (Hacettepe University)
Prof. Dr. Evrim Ural (Kahramanmaraş Sütçü İmam University)

Turkish Education

Prof. Dr. Kasım Yıldırım (Muğla Sıtkı Koçman University)

Social Studies Education

Prof. Dr. Ahmet Nalçacı (Kahramanmaraş Sütçü İmam University)

Teacher Training

Prof. Dr. Kadir Bilen (Alanya Alaaddin Keykubat University)

Philosophy Education

Prof. Dr. Mehmet Ali Dombaycı (Gazi University)

Physical Education

Assoc. Prof. Dr. Özer Yıldız (Necmettin Erbakan University)

Foreign Language Education

Prof. Dr. Fatih Tepebaşı (Necmettin Erbakan University)

Assoc. Prof. Dr. Armando Trujillo (University of Texas at San Antonio)

Assoc. Prof. Dr. Reyhan Ağçam (Kahramanmaraş Sütçü İmam University)

Assist. Prof. Dr. Nudžejma Obralić (International University of Sarajevo)

Assist. Prof. Dr. Almasa Mulalic (International University of Sarajevo)

Classroom Education

Assoc. Prof. Dr. Oğuzhan Kuru (Kahramanmaraş Sütçü İmam University)

Special Education

Assoc. Prof. Dr. Mahmut Çitil (Gazi University)

Early Childhood Education

Prof. Dr. Hülya Gülay OGELMAN (Sinop University)

Sociology Education

Prof. Dr. Beyhan Zabun (Gazi University)

Technology Education

Assist. Prof. Dr. Khaldoun Al-Zoubi (Jordon University of Science and Technology)

Engineering Education

Assist. Prof. Dr. Arindam Garai (Bengal Engineering and Science University)

Editor's message;

Dear researchers/ practitioners,

As Scientific Educational Studies Journal family, we are delighted to commemorate the eighth anniversary with your gracious support. Over the past eighth years, we have witnessed the publication of exceptional studies, affirming our commitment to fulfilling the vision of taking a leading role in scientific publications and achieving recognition in esteemed indexes. We appreciate and welcome the invaluable interests and contributions of our field editors, authors, referees and readers, all of whom have played a pivotal role in the success of our journal.

We look forward to your ongoing interest and contribution to SES and hope to meet in the next issue.

Prof. Dr. Mahmut SAĞIR
Editor

Contents

-
- 1) **Güzide DADLI - Evrim URAL** 60-90
The Effect of Problem-Based Learning Activities on Secondary School Students' Awareness of Biodiversity
Probleme Dayalı Öğrenme Aktivitelerinin Ortaokul Öğrencilerinin Biyoçeşitlilik Konusundaki Farkındalıklarına Etkisi
-
- 2) **Fatma SADIK** 91-121
Investigation of Pre-Service Teachers' Perceptions on The Concept of "Education" Through Metaphor Analysis
Öğretmen Adaylarının "Eğitim" Kavramına İlişkin Algılarının Metafor Analizi Yoluyla İncelenmesi
-
- 3) **Hülya GÜLAY OGELMAN - Betül SARI - Naciye DURSUN -122-145**
Derveişe AMCA TOKLU
Comparison of Social-Emotional Competence and Play Behaviors of Preschool Children Who Have and Have Not Experienced an Earthquake
Deprem Yaşayan ve Yaşamayan Okul Öncesi Çocukların Sosyal-Duygusal Yeterliliklerinin ve Oyun Davranışlarının Karşılaştırılması
-
- 4) **Esin ERDOĞAN - Hüseyin ASLAN** 146-172
Ethical Dilemmas Experienced by Teachers in Schools
Öğretmenlerin Okullarda Yaşadıkları Etik İkilemler
-