

ISSN: 2146-9466

IJTASE



International Journal of New Trends in
Arts, Sports & Science Education

Volume 13 Issue 1

IJTASE - www.ijtase.net



INTERNATIONAL JOURNAL OF NEW TRENDS IN ARTS, SPORTS & SCIENCE EDUCATION

JANUARY 2024

Volume 13 - Issue 1

Editor in Chief

Prof.Dr. Cenk KEŞAN
Assoc.Prof.Dr. Erdal ASLAN

Editors

Prof.Dr. Bedri KARAYAĞMURLAR
Prof.Dr. Oğuz SERİN
Prof.Dr. Rana VAROL
PhD. Arzu GÜNGÖR LEUSHUIS

Associate Editors

Prof.Dr. Fahriye ATINAY
Prof.Dr. Zehra ALTINAY
Ms Umut TEKGÜÇ

Message from the Editor

I am very pleased to publish first issue in 2024. As an editor of International Journal of New Trends in Arts, Sports & Science Education (IJTASE), this issue is the success of the reviewers, editorial board and the researchers. In this respect, I would like to thank to all reviewers, researchers and the editorial board. The articles should be original, unpublished, and not in consideration for publication elsewhere at the time of submission to International Journal of New Trends in Arts, Sports & Science Education (IJTASE), For any suggestions and comments on IJTASE, please do not hesitate to send mail.

Prof.Dr. Suat TÜRKOĞUZ

Dokuz Eylül University, İzmir

Guest Editor

Copyright © 2024 by author(s).

All articles published in International Journal of New Trends in Arts, Sports & Science Education (IJTASE) are licensed under a [Creative Commons Attribution 4.0 International License \(CC BY\)](https://creativecommons.org/licenses/by/4.0/).

IJTASE allows readers to read, download, copy, distribute, print, search, or link to the full texts of its articles and allow readers to use them for any other lawful purpose.

IJTASE does not charge authors an article processing fee (APF).

Published in TURKEY

Contact Address:

Prof.Dr. Cenk KEŞAN / Prof.Dr. Erdal ASLAN

IJTASE Editor in Chief, İzmir-Turkey

Editorial Team

Editor in Chief

PhD. Cenk Keşan, (Dokuz Eylül University, Turkey)

PhD. Erdal Aslan, (Dokuz Eylül University, Turkey)

Editors

PhD. Arzu Güngör Leushuis, (Florida State University, United States)

PhD. Bedri Karayağmurlar, (Dokuz Eylül University, Turkey)

PhD. Oğuz Serin, (European University of Lefke, North Cyprus)

PhD. Rana Varol, (Ege University, Turkey)

Associate Editors

PhD. Fahriye Atınay, (Near East University, North Cyprus)

PhD. Zehra Altınay, (Near East University, North Cyprus)

Ms Umut Tekgüç, (Bahçeşehir Cyprus University, North Cyprus)

Linguistic Editors

PhD. İzzettin Kök, (Girne American University, North Cyprus)

PhD. Mehmet Ali Yavuz, (Cyprus International University, North Cyprus)

PhD. Nazife Aydınoğlu, (Girne American University, North Cyprus)

PhD. Uğur Altunay, (Dokuz Eylül University, Turkey)

Measurement and Evaluation

PhD. Emre Çetin, (Cyprus Social Sciences University, North Cyprus)

PhD. Gökhan İskifoğlu, (European University of Lefke, North Cyprus)

PhD. Gürol Zırlıoğlu, (Yüzüncü Yıl University, Turkey)

PhD. Selahattin Gelbal, (Hacettepe University, Turkey)

Fine Arts Education

PhD. Ayfer Kocabaş, (Dokuz Eylül University, Turkey)

PhD. Azize Özgüven, (Yeni Yüzyıl University, Turkey)

PhD. Benan Çokokumuş, (Ondokuz Mayıs University, Turkey)

PhD. Esra Gül, (Anadolu University, Turkey)

PhD. Süreyya Çakır, (Okan University, Turkey)

PhD. Bedri Karayağmurlar, (Dokuz Eylül University, Turkey)

PhD. Burak Basmacıoğlu, (Anadolu University, Turkey)

PhD. Cansevil Tebiş, (Balıkesir University, Turkey)

PhD. Gulsen G. Erdal, (Kocaeli University, Turkey)

PhD. Hale Basmacıoğlu, (Anadolu University, Turkey)

PhD. H. Hakan Okay, (Balıkesir University, Turkey)

PhD. Nezihe Şentürk, (Gazi University, Turkey)

PhD. Şirin Akbulut Demirci, (Uludağ University, Turkey)

PhD. Sezen Özeke, (Uludag University, Turkey)

Science Education

- PhD. Baştürk Kaya, (Selcuk University, Turkey)
- PhD. Çiğdem Şenyiğit, (Van Yüzüncü Yıl University, Turkey), Turkey
- PhD. Gizem Saygılı, (Süleyman Demirel University, Turkey)
- PhD. Hakan Kurt, (Selcuk University, Turkey)
- PhD. Meryem Nur Aydede, (Niğde University, Turkey)
- PhD. Nilgün Seçken, (Hacettepe University, Turkey)
- PhD. Nilgün Yenice, Adnan Menderes University, Turkey), Turkey
- PhD. Oğuz Serin, (European University of Lefke, North Cyprus)
- PhD. Salih Çepni, (Uludağ University, Turkey)
- PhD. Şule Aycan, (Muğla University, Turkey)
- PhD. Teoman Kesercioğlu, (Dokuz Eyköl University, Turkey)

Sports Science

- PhD. Alper Aşçı, (Haliç University, Turkey)
- PhD. Aysel Pehlivan, (Haliç University, Turkey)
- PhD. Ayşe Kin İşler, (Hacettepe University, Turkey)
- PhD. Caner Açıkada, (European University of Lefke, North Cyprus)
- PhD. Cengiz Akalan, (Ankara University, Turkey)
- PhD. Cevdet Tınazcı, (Near East University, North Cyprus)
- PhD. Emin Ergen, (Haliç University, Turkey)
- PhD. Ercan Haslofça, (European University of Lefke, North Cyprus)
- PhD. Fehime Haslofça, (European University of Lefke, North Cyprus)
- PhD. Görkem Aybars Balcı, (Ege University, Turkey)
- PhD. Hayri Ertan, (Eskişehir University, Turkey)
- PhD. İlhan Odabaş, (Haliç University, Turkey)
- PhD. Metin Dalip, (State University of Tetova, Macedonia)
- PhD. Özgür Özkaya, (Ege University, Turkey)
- PhD. Salih Pınar, (Fenerbahçe University, Turkey)
- PhD. Sinem Hazır Aytar, (Başkent University, Turkey)
- PhD. Tahir Hazır, (Hacettepe University, Turkey)
- PhD. Tolga Şiniforoğlu, (Kütahya Dumlupınar University, Turkey)
- PhD. Tuba Melekoğlu, (Akdeniz University, Turkey)
- PhD. Yunus Arslan, (Pamukkale University, Turkey)

Table of Contents

Research Articles

IJTASE- Volume 13 - Issue 1 2024

TEACHERS' PERSPECTIVES ABOUT THE MEANING OF STEM: A CASE FROM
TÜRKİYE

Umran Betül CEBESÖY, Meltem KURTOĞLU ERDEN

1-15

ÖĞRETMEN ADAYLARININ KAVRAM KARİKATÜRÜ DESTEKLİ
ARGÜMANTASYON YÖNTEMİNE GÖRE GERÇEKLEŞTİRİLEN DERSLER
HAKKINDAKİ GÖRÜŞLERİ

Yağmur ŞEVİK, Hasene Esra YILDIRIR

16-30

DÖRT AŞAMALI KİMYA TANI TESTİNİN YANITLAMA SÜRESİ VE YANITLAMA
PERFORMANSLARININ İNCELENMESİ

Canan BAŞTÜRK, Suat TÜRKOĞUZ

31-43

EXAMINING THE RELATIONSHIP BETWEEN SATISFACTION AND ATTITUDE
LEVELS OF PRE-SERVICE SCIENCE TEACHER'S TOWARDS DISTANCE
EDUCATION

Ali Günay BALIM, Ece ALTAY, Betül ÖZTAŞ

44-52

EXAMINING PRESCHOOL TEACHER CANDIDATES' ATTITUDES TOWARDS
SCIENCE IN TERMS OF SOME VARIABLES

Damla ALİGÜLLÜ AVCI, Uğur SERİN

53-59

TASARIM BAKIŞ AÇISIYLA ÖĞRENCİ ÇİZİMLERİNDEN OKUL MİMARİSİ ALGISI

Hülya BARUT ŞİMDİ, Suat TÜRKOĞUZ

60-80

FEN ÖĞRETİMİNDE İNGİLİZCE KULLANIMINA YÖNELİK ÖĞRETMEN
GÖRÜŞLERİNİN BELİRLENMESİ

Fahriye GÜRPINAR, Fatma TOSUN, Ayşe DÜZGÜ

81-96

ORTAOKUL ÖĞRENCİLERİNİN SÜRDÜRÜLEBİLİR ÇEVREYE YÖNELİK
TUTUMLARI İLE ANNE-BABALARININ ÇEVRE OKURYAZARLIK DÜZEYLERİ
ARASINDAKİ İLİŞKİNİN ARAŞTIRILMASI

Mehmet ŞAHİN, Sude GÖNCE, Ayşe Cemre ÜRKER, Betül ŞEN

97-106

THE EFFECT OF VACCINE-RELATED SCRATCH ACTIVITIES ON THE VACCINE
AWARENESS OF SECONDARY SCHOOL STUDENTS

Tuğçe Gül ŞEKERCİOĞLU, Aras SARAN, Batuhan SAYIM, Gözde SARIOĞLU OCAKTAN
107-114

ISSN: 2146-9466