



International Journal of Progressive Education

1554 - 5210

IJPE

ijpe.penpublishing.net

IJPE

International Journal of
Progressive Education

Volume 17 Number 3 June 2021

DOI: 10.29329/ijpe.2021.346



An International Journal Published by International Association of Educators (INASED)

International Journal of Progressive Education

Frequency: Six times a year.

ISSN: 1554-5210

Owner: International Association of Educators

Publisher: Pen Academic Publishing

Indexing/Abstracting:

1. **OCLC-WorldCat:** <http://www.oclc.org/worldcat/default.htm>
2. **Directory of Open Access Journals:** (DOAJ): <http://www.doaj.org/home>
3. **EBSCO Publication:** <http://www.ebsco.com>
4. **Cabell's Directory of Publishing:** <http://www.cabells.com>
5. **ERIC:** <http://www.eric.ed.gov>
6. **ERIH Plus:** <https://dbh.nsd.uib.no/publiseringskanaler/erihplus/>

2021 Subscription Rates

- \$35 Association Member USA (Canada: \$40; Rest of World: \$50)
- \$45 Individual USA (Canada: \$50; Rest of World: \$55)
- \$35 Student USA (Canada: \$40; Rest of World: \$50)
- \$140 Library/Institution USA (Canada: \$160; Rest of World: \$160)

Single Issues and Back Issues: \$25 USA (Canada: \$35; Rest of World: \$35)

If you wish to subscribe for the printed edition of IJPE, please contact the Customer Service department at secretary@inased.org

International Journal of Progressive Education

Editor:

Hakan Dedeoglu

Hacettepe University, Turkey

Managing Editor:

Mustafa Yunus Eryaman

University of Hamburg, Germany

Associate Editor:

Chen Xinren

Nanjing University, China

Assistant Managing Editors:

Eryca Rochelle Neville

University of Missouri-Columbia, USA

Alex Jean-Charles

SUNY College at Oneonta, USA

Mustafa Koc

Isparta Suleyman Demirel University, Turkey

He Ning

Nanjing University, China

Editorial Board:

Bertram Chip Bruce

University of Illinois at Urbana-Champaign, USA

Peggy Placier

University of Missouri-Columbia, USA

Yang Changyong

Southwest China Normal University China

Sharon Tettegah

University of Illinois at Urbana-Champaign, USA

Fernando Galindo

Universidad Mayor de San Simón, Bolivia

Susan Matoba Adler

University of Hawaii West Oahu, USA

Carol Gilles

University of Missouri-Columbia, USA

Julie Matthews

University of the Sunshine Coast, Australia

Nezahat Guclu

Gazi University, Turkey

Cushla Kapitzke

University of Queensland, Australia

Catalina Ulrich

Universitatea din Bucuresti, Romania

Juny Montoya

Universidad de Los Andes, Bogotá, Colombia

Winston Jumba Akala

Catholic University of Eastern Africa, Kenya

Kwok Keung HO

Lingnan University, Hong Kong

Sara Salloum

University of Illinois at Urbana-Champaign, USA

Pragasit Siththikul

Walailak University, Thailand

Mehmet Acikalin

Istanbul University, Turkey

Luisa Rosu

University of Illinois at Urbana-Champaign, USA

Sheila L. Macrine

Montclair State University, USA

Martina Riedler

Canakkale Onsekiz Mart University, Turkey

Ihsan Seyit Ertem

Gazi University, Turkey

Youngyung Min

University of Illinois at Urbana-Champaign, USA

Raul Alberto Mora Velez

University of Pontificia Bolivariana, Columbia

Chan Raymond M.C.

Hong Kong Baptist University

Pauline Sameshima

Lakehead University, Canada

Hye-Young Park

University of Illinois at Urbana-Champaign, USA

John L. Pecore

University of West Florida, USA

Salim Razi

Canakkale Onsekiz Mart University, Turkey

Yasser A. Al-Hilawani

Yarmouk University, Irbid, Jordan

Serkan Yilmaz

Hacettepe University, Turkey

John L. Pecore

University of West Florida

David Ansong

University of North Carolina at Chapel Hill

Arturo Rodriguez

Boise State University, USA

Michael Jessee Adkins
Thomas G Ryan
Mustapha Alhassan

Marshall University, USA
Nipissing University, Canada
Clark Atlanta University, USA

Advisory Board

Lu Youquan
Ma Hemin
Chrispen Matsika
Jeylan Woliye Hussein
Zorhasni Zainal Abiddin
Ann Marie Smith
Amrita Dhawan

East China Normal University
East China Normal University
Georgia College & State University
Almeya University, Ethiopia
University Pudra Malasia
University of Texas of the Permian Basin
City University of New York

Editorial Assistants

Levent Cetinkaya
Ulas Yabanova

Turkish Educational Research Association
Dumlupınar University, Turkey

The views expressed in this publication are not necessarily those of the Editor or the Editorial Review Board, nor the officers of the International Association of Educators (INASED). Copyright, 2021, International Association of Educators (INASED). ISSN 1554-5210

TABLE OF CONTENTS

Volume 17, Number 3
June 2021

Articles

- 01 The Development and Validation of the Spatial Anxiety Scale for Secondary School Students**
Author: *Özlem Özcakir Sumen*
- 14 Digital Simulation Experiences of Pre-service Science Teachers: An Example of Circuits**
Author: *Gülşah Uluay*
- 31 Metaphorical perceptions of other branch teachers towards physical education teachers and lessons**
Author: *Mehmet Ulaş*
- 49 Activity-Based Teaching with Social Studies Pre-Service Teachers for Developing the Thinking Skills of Learners**
Author: *Özlem Bektaş*
- 70 The Relationship Between Perceived Parental Rejection and Dating Anxiety: The Mediating Role of Interpersonal Cognitive Distortions**
Authors: *Hatice Epli, Meryem Vural Batık, Nurdan Doğru Çabuker, Seher Balcı Çelik*
- 86 Investigation of the Effect of Different Teaching Methods on Students' Engagement and Scientific Process Skills**
Authors: *Uluhan Kurt, Fatih Sezek*
- 102 Views of Pre-Service Mathematics Teachers and Mentor Teachers about School Practicum: A Model for Web 2.0 based Supervision**
Authors: *Ümit Kul, Selcen Çalık Uzun, Sedef Çelik, Salih Birişçi, Zeki Aksu*
- 123 The Examination of the Postgraduate Theses on Models and Modelling in Science Education in Turkey**
Authors: *Suat Ünal, Ali İhsan Benzer*
- 139 Do Paternalist Approaches of School Principals Kill Teachers' Autonomy?**
Authors: *Ahmet Saylık, Çiğdem Çelik Şahin*
- 153 Evaluation of Competency Based Medical Education Curriculum**
Author: *Elif İlhan*
- 169 An Analysis of the Relationship between the Metaphorical Perceptions of Classroom Teacher Candidates Towards Computer-Assisted Mathematics Instruction and Their Learning Approaches**
Authors: *Bülent Nuri Özcan, Özlem Ateş*
- 185 Difficulties and Achievements Throughout Career Stages: Vice Principles' Perspectives**
Authors: *İsmail Erol, İsmail Karsantuk*

- 202 The Reasons for and Results of Ostracism at Schools and Recommendations for Solutions through Teacher Experiences**
Author: *Selda Polat Hüsrevşahi*
- 216 Depression and Subjective Well-Being as Predictors of Pet Owner University Students' Personality Traits**
Authors: *Hale Nur Kılıç Memur, Neslihan Yaman*
- 229 Emergency Distance Education Experience Of Primary School Teachers Teaching First-Grade Students**
Author: *Derya Uysal*
- 250 Social Innovation And Lateral Thinking Tendencies Of Preservice Social Studies Teachers**
Author: *Arcan Aydemir*
- 263 Examination of the Postgraduate Theses on Teacher Views of Values Education in Turkey: A Meta Synthesis Study**
Author: *Sibel Cengizhan*
- 279 An Analysis of Teachers' Views Toward the Teaching of Text Type and Structure**
Authors: *Erhan Şen, Sedat Karagül*
- 299 Instructor Views on Technology Use and Coding Training**
Authors: *Bayram Gökbulut, Müzeyyen Merve Bakangöz*
- 316 Intervention for Social Anxiety among University Students with a Solution-Focused Group Counseling Program**
Author: *Mehmet Enes Sağar*
- 327 Creating Learning Environments in Preschool Classrooms: Perspectives of Pre-service Preschool Teachers**
Author: *İpek Özbay Karlıdağ*
- 344 Use of 3D Printers for Teacher Training and Sample Activities**
Authors: *Ayten Arslan, Ibrahim Erdogan*
- 361 Seventh graders' learning strategies and achievement goal orientations as predictors of their achievement in social studies**
Author: *Melek Didin, Koray Kasapoglu*
- 381 Determination of Pre-service Science Teachers' Conceptual Understandings about the "Solutions: Dissolving-Melting" with Predict-Observe-Explain Technique**
Authors: *Murat Okur, Hatice Güngör Seyhan*
- 397 Student Perceptions of the Implications of a Financial Literacy Project Within a College Mathematics Course**
Authors: *Michelle Meadows, Sami Mejri*