

CONTEMPORARY EDUCATIONAL TECHNOLOGY

A Quarterly International Journal

e-ISSN: 1309-517X



October 2021
Volume 13
Issue 4

This page is intentionally left blank

CONTEMPORARY EDUCATIONAL TECHNOLOGY

Contemporary Educational Technology is a scholarly international journal focusing on theory, research, and development in the field of educational technology.

The journal assigns highest priority to rigorous studies of quantitative, qualitative, and mixed paradigms on topics related to theories and applications of educational technology as well as instructional design in various educational settings including both formal and non-formal contexts.

The journal also publishes articles on empirically-based evaluation studies and theoretically-based development papers. When appropriate and possible, development papers should highlight links between theory and practice of educational technology.

Moreover, each issue of the journal publishes comprehensive book reviews, interviews, comments, and research abstracts on current issues in the field of educational technology and instructional design.

Editorial Contact

editor@cedtech.net

ABSTRACTING / INDEXING

Contemporary Educational Technology is listed by the following indexes:

[Cabell's Directory](#)

[Crossref](#)

[Current Index to Journals in Education \(CIJE\)](#)

[EBSCO - Education Research Complete](#)

[ERIC](#)

[ERIH PLUS](#)

[Google Scholar](#)

[OpenAIRE](#)

[Scilit](#)

[SCOPUS](#)

[Sherpa Romeo](#)

[Ulrich's Periodicals Directory](#)

EDITORIAL BOARD

Editors-in-Chief

Jorge Bacca, Fundación Universitaria Konrad Lorenz, Colombia

Kaushal Kumar Bhagat, Centre for Educational Technology, Indian Institute of Technology, Kharagpur, India-721302

Tufan Adiguzel, Ozyegin University, Turkey

Section Editors

Brian Garner, Deakin University, Australia

Emrah Soykan, Near East University, Cyprus

Rob Koper, Open University of the Netherlands, The Netherlands

Siu Cheung Kong, The Hong Kong Institute of Education, Hong Kong

Timothy Teo, Murdoch University, Australia

Editorial Board Members

Abdurrahman Al Lily, King Faisal University, Saudi Arabia

Ali Simsek, Anadolu University, Turkey

Alison Rossett, San Diego State University, USA

Andri Ioannou, Cyprus University of Technology, Cyprus

Arif Altun, Hacettepe University, Turkey

Balakrishnan Muniandy, Universiti Sains Malaysia, Malaysia

Barbara A. Bichelmeyer, Indiana University, USA

Brandford Bervell, University of Cape Coast, Cape Coast, Ghana

Brent G. Wilson, University of Colorado at Denver, USA

Charles M. Reigeluth, Indiana University, USA

Chin-Chung Tsai, National Taiwan University of Science and Technology, Taiwan

EDITORIAL BOARD

David W. Shaffer, University of Wisconsin, USA
David Wiley, Brigham Young University, USA
Demetrios G. Sampson, University of Piraeus, Greece
Gary R. Morrison, Old Dominion University, USA
George Siemens, Athabasca University, Canada
Gilly Salmon, University of Leicester, United Kingdom
Gregory A. Kearsley, Independent Consultant, USA
Gregory C. Sales, University of Minnesota, Twin Cities, USA
Hanafi Atan, University of Sains Malaysia, Malaysia
Ibrahim Arpacı, Tokat Gaziosmanpasa University, Turkey
J. Michael Spector, University of North Texas, USA
John M. Keller, Florida State University, USA
Keith Sawyer, Washington University, USA
Kiyoshi Nakabayashi, Chiba Institute of Technology, Japan
M. David Merrill, Brigham Young University at Hawaii, USA
Marcelo Milrad, Linnaeus University, Sweden
Michael M. Grant, University of South Carolina, United States
Michael Simonson, Nova Southeastern University, USA
Norbert M. Seel, University of Freiburg, Germany
Paul A. Kirschner, Open University of the Netherlands, The Netherlands
Richard A. Schwier, University of Saskatchewan, Canada
Robert D. Tennyson, University of Minnesota, USA
Roger Hartley, University of Leeds, United Kingdom
Stamatis Papadakis, University of Crete, Greece
Stephen Kerr, University of Washington, USA

EDITORIAL BOARD

Steven M. Ross, Johns Hopkins University, USA

Su Luan Wong, University Putra Malaysia, Malaysia

Tony Bates, Tony Bates Associates Ltd, Canada

Managing Editor

Mert Bastas, Near East University, Cyprus

Executive Editor and Owner

Ali Berk Bastas, University of Derby, United Kingdom

Founding Editor

Ali Simsek, Anadolu University, Turkey

CONTENTS

Volume 13 – Issue 4 – October 2021

- Problematic Use of ICTs in Trainee Teachers during COVID-19: A Sex-Based Analysis** ep314
Ernesto Colomo Magaña, Andrea Cívico Ariza, Julio Ruiz Palmero, Enrique Sánchez Rivas
<https://doi.org/10.30935/cedtech/10988>
- Predictors of Severe Problematic Internet Use in Adolescent Students** ep315
Andrea Lukács
<https://doi.org/10.30935/cedtech/10989>
- Assumption Validation Process for the Assessment of Technology-Enhanced Learning** ep316
Denise Pauline-Graf, Susan E. Mandel, Heather W. Allen, Lynne E. Devnew
<https://doi.org/10.30935/cedtech/11071>
- Digital Literacy in UK Health Education: What Can Be Learnt from International Research?** ep317
Barry Matthews
<https://doi.org/10.30935/cedtech/11072>
- Establishing Social, Cognitive and Teacher Presences During Emergency Remote Teaching: Reflections of Certified Online Instructors in the United Arab Emirates** ep318
Lawrence Meda, Areej ElSayary
<https://doi.org/10.30935/cedtech/11073>
- Fostering Pre-Service Teachers' Reflection in Self-Regulatory Process Through Socio-Emotional Collaborative Note-Taking in the mCSCL Environment** ep319
Suthanit Wetcha, Jaitip Na-Songkhla
<https://doi.org/10.30935/cedtech/11074>
- Dark Triad and Social Media Addiction among Undergraduates: Coping Strategy as a Mediator** ep320
Poh Chua Siah, Jie Yeng Hue, Bernie Zi Ru Wong, Sin Jie Goh
<https://doi.org/10.30935/cedtech/11104>
- A Model of Learning Technology Partnership with Vendors: A Systematic Process** ep321
Eulho Jung, Hua Zheng, Nick Webster, Adonis Hamad, Fatih Demir, Dongho Kim
<https://doi.org/10.30935/cedtech/11115>

CONTENTS

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Exploring the Relationship Between Personality Traits and TPACK-Web of Pre-service Teacher | ep322 |
| <i>M. Anas Thohir, Lia Yuliati, Erif Ahdhianto, Esti Untari, Fitri April Yanti</i> | |
| https://doi.org/10.30935/cedtech/11128 | |
| Technology Integration Through Evidence-Based Multimodal Reflective Professional Training | ep323 |
| <i>Mehmet Haldun Kaya, Tufan Adiguzel</i> | |
| https://doi.org/10.30935/cedtech/11143 | |
| Effectiveness of In-Service Elementary School Teacher Professional Development MOOC: An Experimental Research | ep324 |
| <i>Eirini Tzovla, Katerina Kedraka, Thanassis Karalis, Marina Kougiourouki, Konstantinos Lavidas</i> | |
| https://doi.org/10.30935/cedtech/11144 | |
| Trends and Gaps in Empirical Research on Open Educational Resources (OER): A Systematic Mapping of the Literature from 2015 to 2019 | ep325 |
| <i>Daniel Otto, Nadine Schroeder, Daniel Diekmann, Pia Sander</i> | |
| https://doi.org/10.30935/cedtech/11145 | |
| Effects of Motivational Adaptive Instruction on Student Motivation Towards Mathematics in a Technology-Enhanced Learning Classroom | ep326 |
| <i>Shu Ling Wong, Su Luan Wong</i> | |
| https://doi.org/10.30935/cedtech/11199 | |
| Assessing the Impact of Dynamic Software Environments (MATLAB) on Rural-Based Pre-Service Teachers' Spatial-Visualisation Skills | ep327 |
| <i>G. Amevor, Anass Bayaga, Michael J. Bossé</i> | |
| https://doi.org/10.30935/cedtech/11235 | |