## Vol. 78, No. 3, 2020



# **PROBLEMS** OF EDUCATION IN THE 21st CENTURY



Problems of Education in the 21st Century, ISSN 1822-7864 (Print) ISSN 2538-7111 (Online) Vol. 78, No. 3, 2020

### PROBLEMS OF EDUCATION IN THE 21st CENTURY

Scientia Socialis, Ltd., a member of the Lithuanian Publishers Association and a member of Publishers International Linking Association, Inc. (Crossref) in cooperation with SMC "Scientia Educologica", Lithuania, The Associated Member of Lithuanian Scientific Society, European Society for the History of Science (ESHS) and ICASE (International Council of Associations for Science Education)

The articles appearing in this journal are indexed, listed, and abstracted in:

Emerging Sources Citation Index (ESCI) (Web of	Scholar
Science   Clarivate Analytics)	Turkish Education Index
Index Copernicus	Information Matrix for the Analysis of Journals
EBSCO: Education Research Complete	(MIAR)
Education Research Index Database Coverage List	Directory of Open Access Scholarly Resources
"Core" coverage	(ROAD)
Central & Eastern European Academic Source	Eurasian Scientific Journal Index
Database Coverage List (EBSCO-CEEAS)	Crossref
JournalSeek	ProQuest
Ulrich's Periodicals Directory	Europub: Academic and Scholarly Research
Contemporary Science Association/AAP databases	Publication Center
Open Academic Journals Index (OAJI)	The Scientific Literature Database (Scilit)
Zeitschriften Datenbank (ZDB)	QOAM
GIGA Information Centre (Electronic Journals	DOI
Library)	ResearchGate
CNKI (China National Knowledge Infrastructure)	

PROBLEMS OF EDUCATION IN THE 21<sup>st</sup> CENTURY Vol. 78, No. 3, 2020 306

#### Publisher

Scientia Socialis, Ltd. in cooperation with SMC "Scientia Educologica", Lithuania, the Associated Member of Lithuanian Scientific Society, the Association of Lithuanian Serials, European Society for the History of Science (ESHS) and International Council of Associations for Science Education (ICASE)

#### **Editors-in-Chief**

Dr., Prof. Agnaldo Arroio, University of Sao Paulo, Brazil

Dr., Prof. Vincentas Lamanauskas, Šiauliai University & SMC "Scientia Educologica", Republic of Lithuania

#### **Editorial Board**

Dr., Prof. Boris Aberšek, University of Maribor, Slovenia

- Dr., Prof. Saleh A. Alabdulkareem, King Saud University, Saudi Arabia
- Dr. Monica Baptista, University of Lisbon, Portugal
- Dr., Prof. Martin Bilek, Charles University, Czech Republic
- Dr., Prof. Andris Broks, University of Latvia, Latvia
- Dr., Prof. Marco Antonio Bueno Filho, Federal University of ABC, Brazil
- Dr. Paolo Bussotti, University of Udine, Italy
- Dr., Prof. Muammer Calik, Trabzon University, Turkey
- Dr., Prof. Margaret Chan Kit Yok, MARA University of Technology (UiTM), Malaysia
- Dr., Angela James, University of Kwazulu Natal, South Africa
- Dr., Prof. Vladimir S. Karapetyan, Armenian State Pedagogical University named after
- Kh. Abovyan, Armenia
- Dr., Prof. Kuo-Hung Huang, National Chiayi University, Taiwan
- Dr. Milan Kubiatko, Jan Evangelista Purkyně University in Ústí nad Labem, Czech Republic
- Dr., Prof. Miroslaw Kowalski, University of Zielona Gora, Poland
- Dr. Todar T. Lakhvich, Belarusian State Medical University, Republic of Belarus

Dr. Solange W. Locatelli, Federal University of ABC, Brazil

- Dr. Eleonora Melnik, Petrozavodsk State University, Republic of Karelia, Russia
- Dr., Prof. Danuše Nezvalova, Palacky University, Czech Republic
- Dr. Osman Pekel, Suleyman Demirel University, Turkey
- Dr., Prof. Yuriy Pelekh, Rivne State University of Humanities, Ukraine
- Dr., Prof. Raffaele Pisano, University of Lille, France
- Dr., Prof. Katarzyna Potyrala, Pedagogical University of Cracow, Poland
- Dr. Costin Pribeanu, Academy of Romanian Scientists, Romania
- Dr. Agneta Simeonsdotter Svensson, University of Gothenburg, Sweden
- Dr. Uladzimir K. Slabin, University of Oregon, USA
- Dr. Laima Railienė, Scientific Methodical Centre "Scientia Educologica", Republic of Lithuania
- Dr., Prof. Borislav V. Toshev, Sofia University, Bulgaria
- Dr., Prof. Milan Turčani, Constantine the Philosopher University, Slovakia
- Dr., Prof. Nicos Valanides, Educational Robotics and Science Organization, Cyprus

Copyright of this issue is the property of Scientia Socialis, Ltd, Lithuania. By virtue of their appearance in this open access journal, articles are free to use, with proper attribution, in educational and other non-commercial settings

Index Copernicus (IC<sup>™</sup> Value): 100.00 (2018) ICDS (Secondary Composite Index Broadcasting): 9.5 (2018). CGIJ OAJI: 0.350 (2018). H Index: 3 (2018)

*Problems of Education in the 21st Century* is an international, periodical, peer reviewed scientific journal, issued by the Scientia Socialis Ltd. in cooperation with SMC "Scientia Educologica".

Address: Scientia Socialis, Ltd. Donelaičio Street 29, LT-78115 Siauliai, Lithuania E-mail: problemsofeducation@gmail.com Phone: +370 687 95668 WEB page: http://www.scientiasocialis.lt/pec