

ISSN 1998-6939
EISSN 2306-1707
DOI 10.14308/ite

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
KHERSON STATE UNIVERSITY

NATIONAL ACADEMY OF SCIENCES OF UKRAINE
INSTITUTE OF INFORMATIONAL TECHNOLOGIES AND LEARNING TOOLS

Information Technologies in Education

SCIENTIFIC JOURNAL

Head Editor: Professor Spivakovsky O.

Scientific journal was founded in May 2007

2 (39) Issue

Kherson – 2019

Printed by decision of Academic Council
of Kherson State University
(protocol № 9 from 21.05.07)

Ratified by decision of Academic Council
of Kherson State University
(protocol from 24.06.2019 № 12)

**Included in List of Scientific Professional Issues of Ukraine
(Decision of the Presidium of the HAC of Ukraine of 14.04.10 p. №1-05/03,
By order of Ministry of Education and Science of Ukraine of 13.07.2015, № 747)**

Editor-in-Chief

Aleksander Spivakovsky – Kherson State University, Ukraine

Co-Editors-in-Chief

Andrey Gurzhij – National Academy of Pedagogical Sciences, Ukraine
Vadim Ermolayev – Zaporozhye National University, Ukraine
Maksym Vinnyk – Kherson State University, Ukraine

Editorial Assistants

Hennadiy Kravtsov – Kherson State University, Ukraine
Yuliia Tarasich – Kherson State University, Ukraine

Copyeditor

Olga Gnedkova – Kherson State University, Ukraine

Editorial Board Members:

Boris Andrievskiy – Kherson State University, Ukraine
Valeriy Bykov – Institute of Informational Technologies and Learning Tools, Ukraine
Sergiy Bogomolov – Australian National University, Australia
Vagan Terziyan – University of Jyväskylä, Finland
Vangalur Alagar – Concordia University, Canada
Gary L. Pratt – Eastern Washington University, United States A.
Heinrich C. Mayr – Alpen-Adria-Universität Klagenfurt, Austria
David Camacho – Universidad Autónoma de Madrid, Spain
Dumitru Dan Burdescu – University of Craiova, Romania
Vladyslav Kruhlyk – Bogdan Khmelnytsky Melitopol State Pedagogical University, Ukraine
Nataliya Kushnir – Kherson State University, Ukraine
Alexander Letichevsky – Glushkov Institute of Cybernetics, Ukraine
Leo Van Moergestel – Utrecht University of Applied Sciences, Netherlands
Michael Lvov – Kherson State University, Ukraine
Natalia Morze – Borys Grinchenko Kiev University, Ukraine
Mykola Nikitchenko – Taras Shevchenko National University of Kyiv, Ukraine
Kateryna Osadcha – Bogdan Khmelnytsky Melitopol State Pedagogical University, Ukraine
Vladimir Peschanenko – Kherson State University, Ukraine
Liubov Petukhova – Kherson State University, Ukraine
Sergey Rakov – National Pedagogical Dragomanov University, Ukraine
Yelena Sagan – Kherson State University, Ukraine
Serhiy Semerikov – Kryvyi Rih State Pedagogical University, Ukraine
Oleg Spirin – Institute of Informational Technologies and Learning Tools, Ukraine
Stavros Demetriadis – Aristotle University of Thessaloniki, Greece
Yuriy Trius – Cherkasy State Technological University, Ukraine
Philipp Lahire – University of Nice Sophia-Antipolis, France
Mykhailo Sherman – Kherson State University, Ukraine
Olena Shyshatska – Taras Shevchenko National University of Kyiv, Ukraine

Information Technologies in Education: Scientific journal. Issue 2 (39). – Kherson: KSU, 2019. – 95 p.

Editorial board can edit and reduce articles. Authors opinions cannot always agreed with editorial board's point of view. Authors are responsible for authenticity of facts, quotations, names, places, and other information.

Founders: Kherson State University, Institute of Informational Technologies and Learning Tools of National Academy of Educational Sciences of Ukraine.

The certificate of state registration of printed mass media Serial number KB № 18045-6895IIP.

<http://ite.kspu.edu>

The collected volume is registered and submitted in bibliometric databases and systems: DOAJ, Ulrich's Periodicals Directory, WorldCat, CrossRef, Index Copernicus International S.A., Abstract database "Україніка наукова", Google Scholar.

Address of editorial staff: Kherson State University
Universytets'ka, 27, Kherson, Ukraine, 73000