

Proceedings of the 2nd International Scientific Conference

Innovations and New Directions in Scientific Research





2nd International Scientific Conference

Innovations and New Directions in Scientific Research

Proceedings

September 20, 2025

Manchester, United Kingdom

ISBN 978-1-326-19360-7

Innovations and New Directions in Scientific Research: Proceedings of the 2nd International Scientific Conference (Manchester, United Kingdom, 20 September 2025). Lulu Press, Inc., 2025.

The collection includes the proceedings of the 2nd International Scientific Conference "Innovations and New Directions in Scientific Research", which took place on 20 September 2025. This collection is intended for scientists, educators, students, government officials, business representatives, and the general public.

Working language of the conference: English.

The conference proceedings are published in the original language and as submitted by the authors. The collection has been formatted and prepared for publication in a unified style, without altering the content of individual contributions. The authors are fully responsible for the accuracy of the facts, proper names, quotations, statistical data, industry terminology, and other information presented in their materials.





© International Education Development Center, 2025

© Research Europe, 2025

Official website: researcheurope.org

Table of Contents

Military Sciences

system conformity assessment in defense projects
system comormity assessment in detense projects
Kostiantyn Kulahin, Kostiantyn Kvitkin, Dmytro Sizon
Integrating traditional navigation
with digital geospatial tools
Lesia Balahur
Economic Sciences
Land relations in Ukraine:
institutional traps and exit vectors
Ihor Sabii, Oleh Beregovyi
Information model for managing enterprise
economic security under digital transformation
Maksym Bilychenko
Key opportunities and challenges of the
European Green Deal policy for Ukraine24
Maksym Martyniuk
Corporate social responsibility in the system
of sustainable development values
Maksym Yermakov
Neuromarketing research in modern business
Oksana Karpenko, Iryna Karpenko
AI competencies in strategic
management in the public sector
Oleksii Dzydzyguri
Organizational and economic foundations for
the development of niche cooperation in Ukraine
Ruslan Chata
Intelligent management of adaptive
education in the era of turbulence
Svitlana Goncharenko
Adaptive data-driven governance & administration
of education during instability & in times of crisis

Controlling tools in the organization of entrepreneurial
activity in the creative industries sphere
Svitlana Shuliarenko, Oleksandr Drahin
Journalism and Social Communication
Intercultural competence in international
business communication
Algorithmization of content and new forms of
interaction: the role of AI in the publishing industry
Oleksii Sytnyk
Pedagogical Sciences
Dangers in media culture
Anatolii Ivanchuk
Formation of soft skills among students of technical
higher education institutions: challenges and prospects
Antonina Liashkevych
Historical aspects of professional
training of healthcare professionals
Inna Marush
Developing soft skills and maintaining mental
health in the educational environment
Kateryna Hlianenko
From textbook to digital ecosystem: evolution
of medical English teaching aids75
Lada Lichman, Liudmyla Shevchenko,
Lorena Mykhailenko, Oksana Kononets'
Features of the transformation of history education in
Spain under democratic reforms and European integration
Leonid Shalashnyi
Lesson planning in the subject of German with
a focus on interactivity: integration of digital tools
Maria Baiurko
Development of high school students' critical thinking in
the process of learning to read English authentic texts
Maria Yurchenko

The challenges of modern teacher training: navigating
psychological barriers and practical unpreparedness
Myroslava Sosnova
Innovative pedagogical strategies in teaching
world history in higher education institutions
Nataliia Shalashna
Sports ethics: challenges and prospects for
Ukrainian athletes in a globalized world95
Nazar Vozniuk
Academic mobility as a factor in Ukraine's
integration into the global educational space98
Olena Romanova
Patriotic education of preschool age
children in conditions of martial law101
Olha Shadiuk, Daryna Yushchuk
Intelligent crisis management
of sustainable education
Svitlana Goncharenko
Cutting-edge intelligent management of academic R&D
in the contemporary era of volatility and challenges
Svitlana Krasniuk
Inclusive approach in psychological and pedagogical
support for preschoolers with autism spectrum disorders
Valentyna Bilan
Preparation of future teachers for educational
work in summer children's health camps
Violetta Lappo
Political Sciences
Digitalization and anticipation government:
prospects for public administration
Daria Likarchuk
Agile management in the public sector:
prospects for implementation and challenges
Mykhailo Melnyk
Ukraine and the Three Seas Initiative: international support
and the construction of a regional security architecture
Oleksandr Dydyk

Institutional adaptation of the national strategic
planning system to STANAG requirements
Olha Mosondz
Psychological Sciences
The toolkit for the comprehensive assessment of
the impact of health violations on children who
were under the control of the aggressor state
Tamara Pirozhenko, Nataliya Havrysh, Yanyna Omelchenko
Agricultural Sciences
Enhancing the energy efficiency of autonomous power supply systems
for livestock farms through the use of biogas installations
Anatoliy Hrytsun, Valentyna Bilous
Technical Sciences
Prospective directions for the development of water treatment
systems with surface water sources in the context of global climate,
anthropogenic and socio-economic changes in Ukraine
Dmytro Charnyi, Dmytro Novytskyi,
Volodymyr Kostyuk, Lada Podolina
The impact of risk management on IT
product quality: a comparative analysis
Ihor Liakh, Yurii Kish
Improvement of ultrasonic technology
for metal structures inspection
Ihor Rybitskyi, Serhii Voitenko,
Nazarii Chaban, Vitalii Zapeka
Innovative information technologies in management
of educational projects in the era of turbulence
Svitlana Goncharenko
Traditional machine learning for adaptive
management of education in crisis contexts
Svitlana Krasniuk
Safety of electric and hybrid cars
Timur Aleinykov

Stress-strain state of the bottomhole zone during hydraulic fracturing
of an IT project portfolio for resource management
Philological Sciences
Intelligent information technologies for innovative
management of advanced philology projects
Advanced intelligent management and control of
philological education in the era of instability and crisis
Stylistically marked units within the system of English military lexis:
typology, differential characteristics, and word-formation patterns
Lexical transformations in the transformational
model of translation (based on English prose)
Legal Sciences
The concept of "cyber conflicts" within the cybersecurity terminology system