

SUSTAINABLE GROWTH OF SOCIETY IN THE DIGITAL ERA

Innovation, Technology, Guidance and Management of Education



Editors

Amit Kumar Goel
Prof. Iryna Shumilova
Prof. Nataliia Hrechanyk
Prof. Viktoriia Bokovets

SUSTAINABLE GROWTH OF SOCIETY IN THE DIGITAL ERA

**Innovation, Technology, Guidance
and Management of Education**

01ST OCTOBER, 2025

Organised by

**AKG GLOBAL SUPPORT SERVICE (OPC)
PRIVATE LIMITED, INDIA**

In Association with

**NATIONAL UNIVERSITY OF LIFE AND
ENVIRONMENTAL SCIENCE OF UKRAINE**

Conference Proceedings



AKG GLOBAL SUPPORT SERVICES (OPC) PRIVATE LIMITED

www.akgglobals.com

Published by



AKG GLOBAL SUPPORT SERVICES (OPC) PRIVATE LIMITED

50, Vaishali Enclave, Sector-9, Indira Nagar

Lucknow-226016, Uttar Pradesh, India

Website: www.akgglobals.com

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ISBN : 978-81-971286-7-7

DOI:

First Published: October 08, 2025

All disputes are subject to Lucknow jurisdiction only.

Page Setting & Design by



KARMAKAR

Kolkata, India | Ph: +91 9073808508 / +91 9433054183

karmakar.print@gmail.com

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P R E F A C E

International Scientific Conference about the Future of Education:

THE DIGITAL AGE DICTATES NEW HORIZONS FOR THE SUSTAINABLE DEVELOPMENT OF SOCIETY

In the 21st century, humanity is undergoing an unprecedented period of transformation driven by rapid advances in digital technology, globalization, climate change, demographic shifts, and new challenges to the education system. In this context, the concept of sustainable development takes on particular importance, as it concerns not only environmental or economic stability but, above all, the creation of a harmonious, inclusive, and adaptive society capable of responding effectively to the challenges of today.

Education is the main tool for shaping such a society. At the same time, traditional models of educational management are becoming increasingly irrelevant to the realities of the digital age. There is a growing need to rethink the roles of educational institutions, teachers, and administrators, as well as to introduce innovative technologies, flexible learning approaches, digital literacy, and the ethical use of artificial intelligence.

Holding the conference “Sustainable Growth of Education in the Digital Era: Innovation, Technology, Guidance and Management” is a highly relevant and timely step toward creating an international platform for interdisciplinary dialogue on the transformation

of education in the context of digitalization. It brings together leading specialists, scientists, educators, experts, and managers to develop joint solutions; promotes the formation of new educational management strategies based on the principles of sustainable development; raises key issues of inclusiveness, accessibility, ethics, and quality of education in the new technological realities; and supports the development of digital competencies necessary for the effective management of educational processes and the cultivation of leaders and visionaries of the new generation.

The world needs not just a digital transformation of education but a conscious, responsible, and sustainable approach to this process. It is precisely this value framework that formed the foundation of the conference.

The digital age is a time of great change and great opportunity.

On October 1, the Faculty of Humanities and Pedagogy of the National University of Life and Environmental Sciences of Ukraine hosted an online meeting that brought together leading experts, scientists, educators, innovators, and opinion leaders from India, Ukraine, Poland, Norway, China, and Uzbekistan. This intellectual forum became a platform not only for the exchange of best practices but also for the formation of a new educational paradigm to ensure the sustainable development of society amid rapid digital transformations led by the academic community.

The conference demonstrated a deep understanding that education is a key driver of change, capable of ensuring sustainable development, democratic values, innovation, and social cohesion. In the digital age – when artificial intelligence, big data, distance learning, and blockchain are already shaping a new reality – educational leadership, effective management, and an innovative approach to teaching are the factors that determine the competitiveness of entire nations.

The reports and panel discussions focused on highly topical issues: How are management and leadership in education transforming in the context of the digital revolution? How do innovations contribute to the sustainable development of society? Which management models are most effective in digital education? How can we ensure digital inclusion and the ethical use of technology? Speakers included government officials, academics, students, media representatives, and representatives of leading companies working at the intersection of education and technology.

Presentations of EdTech projects, research on the use of artificial intelligence in educational management, cases of VR/AR implementation in the educational process, and algorithms for digital diagnostics of educational needs drew particular attention from the participants. The conference became an educational and scientific hive of ideas, where solutions were born that could change education worldwide.

Participants emphasized that leadership in education is not a status but a responsibility and the ability to act

proactively. In the digital age, a manager must be not only an administrator but also a visionary, a facilitator of change, and an agent of innovation. The conference underscored that modern leaders who are unafraid to experiment are the key to forming an adaptive, inclusive, and sustainable society.

Event organizers: Vice-Rector for Scientific Work and Innovative Activities, Doctor of Agricultural Sciences, Professor at the National University of Life and Environmental Sciences of Ukraine (NUBiP) – Oksana Tonkha; Dean of the Faculty of Humanities and Pedagogy, Associate Professor (NUBiP) – Inna Savitska;

- Deputy Dean for Scientific Work, Professor (NUBiP) – Svitlana Kharchenko;
- Deputy Dean for Academic Affairs, Professor (NUBiP) – Ihor Butsyk;
- Head of the Department of Management and Educational Technologies, Professor (NUBiP) – Sergey Kubitsky; Founder and Managing Director, AKG Global Support Services (OPC) Private Limited, India – Amit Kumar Goel;
- Professor, Integral University, Lucknow, India – Asma Farooq;
- Professor, Department of Management and Educational Technologies (NUBiP) – Iryna Shumilova; Professor, Department of Management and Educational Technologies (NUBiP) – Natalia Grechanik.

They noted that the conference was not merely an event but a powerful impetus for a joint rethinking of the place of humans in the digital world. Its results include not only theses and presentations but also concrete vectors of action, partnership agreements, and the creation of new interuniversity and international collaborations.

“We live in a time when knowledge quickly becomes outdated, and the ability to learn, adapt, and act ethically is becoming increasingly valuable. It is at conferences such as this that we are shaping a new global educational ecosystem that will promote the development of a harmonious, educated, and sustainable society,” emphasized Valentina Yemelianenko, director of the magazine’s foreign in Norway (Ukrainian magazine Business Lady).

In the report “Sustainable growth of education in digital era for business management graduates,” Professor Asma Farooq (Integral University, Lucknow, India) emphasized that coordinated work and fruitful meetings exemplify how dialogue, research, and cooperation can shape the future of education and the world as a whole. The conference not only raised important questions but also outlined ways to find answers that can make digital transformation humane, ethical, and sustainable for science, business, and education.

The conference confirmed that effective interaction between educators, administrators, researchers, and IT-sector representatives is critically important for shaping a sustainable future for society, promoting international

dialogue, sharing best practices, and finding solutions to global challenges in education in the digital age.

During the conference, key areas for the further development of education in the context of digital transformation were outlined: the need to rethink the role of leadership and management in educational institutions; the integration of innovative digital technologies into teaching and administrative processes; the strengthening of ethical standards and digital security in education; the promotion of inclusiveness and equal access to quality education; and the creation of a flexible professional development system for educators in a constantly changing environment.

The conference not only identified current challenges but also initiated real mechanisms to overcome them – through partnership, innovation, and leadership in education.

In the context of modern challenges of the digital age, the emphasis on national resources, innovation, and security is becoming a key factor in the sustainable development of society. Under conditions of global instability, economic pressure, and technological dependence, nationally oriented governance enables the creation of sustainable institutions, support for local initiatives, and the preservation of strategic autonomy.

For education, governance, and guidance, this means revising approaches to policymaking, digital transformation, and human capital development. Nationally oriented educational governance, combined

with digital innovation, opens new horizons for building a management system based on national interests, technological sovereignty, and social responsibility.

Education in the interests of a country's national development as a geopolitical entity is not only a response to global risks but also an effective tool for efficient management in shaping a strategy for sustainable development in the digital age. The emphasis on domestic resources, cultural identity, and strategic educational priorities is becoming a key factor in the sustainable development of society. In the context of globalization, digital transformation, and growing information dependence, nationally oriented educational management allows for the creation of sustainable institutions, support for local educational initiatives, and the preservation of value autonomy.

For Ukraine's educational management system and guidance, this means rethinking approaches to digital technologies and human capital formation. Nationally oriented strategic planning in education, combined with innovation, contributes to strengthening social cohesion, technological development, and the formation of citizens capable of thinking critically and acting responsibly.

The materials of the book, which compiles scientific reports and articles from the International Scientific Conference "Sustainable Growth of Education in the Digital Era: Innovation, Technology, Guidance and Management" reflect the main results of the participants' research and presentations, highlighting innovative

approaches to organizing the educational process, strategic guidance, and the introduction of modern technologies in the context of global transformations.

The collection of materials will be useful for scientists, teachers, students, policymakers, and anyone interested in developing effective, sustainable development strategies at both national and international levels.

We hope that this collection will not only record significant scientific achievements but also become a source of inspiration for new research and initiatives.

Iryna Shumilova,
*Doctor of Pedagogical Sciences,
Professor, Department of Management
and Educational Technologies*

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