



We would like to invite you to participate in the **VIII International Scientific and Technical Conference**
PURE WATER. FUNDAMENTAL, APPLIED AND INDUSTRIAL ASPECTS
“Pure Water 2023”

9-10 November, 2023, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Kyiv
www.purewater.net.ua

Providing the population and production with quality water is the basis of harmonious social and economic development of society. The relevance of this problem increases during military aggression, when as a result of the accident at the Kakhovskaya HPP, the destruction of energy facilities, water intake and water treatment facilities, the operation of centralized water supply, drainage and wastewater treatment systems is disrupted, as well as due to the degradation of natural water bodies because of the significant anthropogenic pressure. International cooperation in the field of science and education, development and improvement of the principles and mechanisms of an integrated approach to the protection of water bodies play an important role in solving these problems. **The VIII International Scientific and Practical Conference** is aimed at implementing of these tasks, the subject of which covers the main directions of scientific research, the solution of urgent and perspective problems in water supply, water drainage and water treatment in national and transnational dimensions, the rational use of water resources, the creation of an international consortium under "Horizon Europe "program.

THE CONFERENCE IS ORGANIZED BY:

- National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”;
- Representative office of Polish Academy of Sciences in Kyiv, Ukraine;
- National Academy of Sciences of Ukraine;
- Lublin University of Technology, Poland;
- Gdansk University of Technology, Poland;
- UNESCO Chair in Higher Technical Education, Applied System Analysis and Informatics, Kyiv, Ukraine
- Ukrainian-Polish center of Igor Sikorsky Kyiv Polytechnic Institute;

TOPICS OF THE CONFERENCE

- Natural water purification technologies. Technical aspects of water supply.
- Monitoring and forecasting of the state of natural reservoirs in conditions of intensive water consumption.
- Wastewater treatment technologies, sediment disposal. Biological and biochemical aspects. Technical aspects of water disposal.
- Water supply and water disposal in conditions of military aggression. Restoration of damaged water supply and disposal facilities.
- Production of energy and energy carriers from waste.

SCIENTIFIC COMMITTEE

Head of Scientific Committee:

D.Sc, Academician NAS of Ukraine, Professor M. Zgurovsky – Rector of National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”.

Deputy head:

D.Sc, Professor L. Sablii – Professor at the Department of Bioenergy, Bioinformatics and Environmental biotechnology Faculty of Biotechnology and Biotechnics, Igor Sikorsky Kyiv Polytechnic Institute;

Members of Scientific Committee:

Professor Doctor hab. A. Bieganski – Head of the Department of Natural Environment Biogeochemistry of Bohdan Dobrzański Institute of Agrophysics of the Polish Academy of Sciences;

Professor Doctor hab. M. Pawłowska – Head of the Department of Biomass and Waste Conversion into Biofuels, Faculty of Environmental Engineering, Lublin University of Technology;

Professor Doctor hab. eng. J. Małkinia - Head of the Department of Sanitary Engineering, Faculty of Civil and Environmental Engineering, Gdańsk University of Technology;

Professor PL Doctor hab. eng. D. Kowalski – Professor at the Department of Water Supply and Wastewater Disposal, Faculty of Environmental Engineering, Lublin University of Technology;

Professor PL Doctor hab. eng. G. Łagód – Professor at the Department of Water Supply and Wastewater Disposal, Faculty of Environmental Engineering, Lublin University of Technology.

Professor PL Doctor hab. eng. M. K. Widomski – Professor at the Department of Water Supply and Wastewater Disposal, Faculty of Environmental Engineering, Lublin University of Technology.

Professor Doctor hab. eng. M. Ząbkowska-Waclawek – Member of the European Academy of Sciences and Arts;

Professor UO Doctor hab. M. Rajfur – Professor at the Department of Environmental Engineering, Opole University;

M. Białas – Director of the Representative office of Polish Academy of Sciences in Kyiv;

Professor PG Doctor hab. eng. J. Drewnowski – Professor at the Department of Sanitary Engineering, Faculty of Civil and Environmental Engineering, Gdansk University of Technology;

Doctor eng. K. Jaromin-Gleń – Assistant Professor Department of Natural Environment Biogeochemistry of Institute Bohdan Dobrzański Institute of Agrophysics of the Polish Academy of Sciences, Lublin.

D.Sc, Professor O. Obodovych - Head of the department of heat and mass transfer in dispersion systems of the Institute of Technical Thermophysics of the National Academy of Sciences of Ukraine;

D.Sc, Professor T. Todosiychuk - Dean of the Faculty Biotechnology and Biotechnics, Igor Sikorsky Kyiv Polytechnic Institute;

D.Sc, Professor N. Golub - Head of the Department of Bioenergy, Bioinformatics and Environmental biotechnology of the Faculty of Biotechnology and Biotechnics, Igor Sikorsky Kyiv Polytechnic Institute;

D.Sc, Professor M. Gomelya - Head of the Department of Ecology and Technology of Plant Polymers, Chemical Engineering Faculty, Igor Sikorsky Kyiv Polytechnic Institute;

D.Sc, Professor V. Khoruzhiy – Head of the department of water supply and drainage, Kyiv National University of Civil Engineering and Architecture;

D.Sc, Professor M. Malovanyy – Head of the Department of Ecology and Balanced Nature Management of the Vyacheslava Chornovola Institute of Ecology, Nature Conservation and Tourism, Lviv Polytechnic National University;

D.Sc, Professor Y. Kuzminskiy – Professor at the Department of Bioenergy, Bioinformatics and Environmental biotechnology of the Faculty of Biotechnology and Biotechnics, Igor Sikorsky Kyiv Polytechnic Institute;

D.Sc, Professor V. Yurchenko – Professor of the Department of Engineering Ecology, O.M. Beketov National University of Urban Economy in Kharkiv;

D.Sc, Professor T. Mitchenko – Head of the training, research and testing center of modern water technologies of the Faculty of Chemical Technology, Igor Sikorsky Kyiv Polytechnic Institute;

D.Sc, Professor S. Shukayev – Academic Secretary of the UNESCO Chair in Higher Technical Education, Applied System Analysis and Informatics at Igor Sikorsky Kyiv Polytechnic Institute and Institute for Applied System Analysis;

D.Sc, Associate Professor S. Konontsev – Professor of the Department of Water Bioresources, National University of Water Management and Nature Management;

D.Sc O. Bunchak – adviser to the director on environmental issues, World of Leather" Ltd;

Ph.D., Associate Professor M. Kozar - Associate Professor of Bioenergy, Bioinformatics and Environmental biotechnology, Faculty of Biotechnology and Biotechnology, Igor Sikorsky Kyiv Polytechnic Institute.

Ph.D., Associate Professor V. Zhukova - Associate Professor of Bioenergy, Bioinformatics and Environmental biotechnology, Faculty of Biotechnology and Biotechnology, Igor Sikorsky Kyiv Polytechnic Institute.

Information Support:

Scientific and technical journal “Water and Water Purification Technologies”;
Scientific and Technical Journal “Ecological Chemistry and Engineering S”;
Scientific and Technical Journal “Ecological Chemistry and Engineering A”;
Scientific Journal “Chemistry-Didactics-Ecology-Metrology”.



Information for participants

The conference will be held remotely using the Zoom platform. Participants will have the opportunity to present their findings in the form of a report or a poster. There will also be a possibility of absentee participation, without a report.

Abstracts can be submitted in the Ukrainian or English languages, consisting of no more than 3 pages of A4 format in electronic variant, and should be sent to the following e-mail address: **kpi.wtwst@gmail.com**, with the section number in the 'subject line'.

By the results of the conference there will be published a conference book in electronic format.

The best reports will be recommended for publication in the leading Ukrainian and Polish journals.

Deadline for registration on the web-page of the Conference is **27 October, 2023** at the link: <https://forms.gle/8gpnxhuzhZprUH2i6>
Theses should be submitted and arrangement fee should be paid **till 27 October, 2023.**

Organizational fee for participation in the conference is 100 UAH. Payment details will be sent to you by e-mail once the acceptance of the theses for publication is confirmed.

PREPARATION OF THESES

TITLE – Times New Roman type, 12 bold, center adjustment, capital letters.

Name and Surname of the author (and co-authors) – Times New Roman type, 12 bold italic, center adjustment.

Research supervisor (for students and PhD students) - Times New Roman type, 12 bold italic, center adjustment.

Institution, city, country, e-mail – Times New Roman type, 12 italic, center adjustment.

Text of the theses – Times New Roman type, 12, single line spacing, alignment on width, paragraph - 1 cm. Format of page margins: top, bottom, right – 20 mm, left – 25 mm.

Filename (.doc, .docx, .rar) should contain the name of the first author of the abstracts written in Latin.

More information is available on the Conference website:

<http://purewater.net.ua/>

Secretary of the conference:

Ph.D., Associate Professor **Zhukova Veronika** – Associate Professor at the Department of Bioenergy, Bioinformatics and Environmental biotechnology, Igor Sikorsky Kyiv Polytechnic Institute

Tel./fax: +38 (097) 271-43-74,

e-mail: **kpi.wtwst@gmail.com**