



**Ministry of Education and Science of Ukraine
Petro Mohyla Black Sea National University,
Mykolaiv, Ukraine**



PROGRAMME

The International Conference
«European Green Dimensions:
Fundamental, Applied,
and Industrial Aspects»

June, 5–7, 2025

Mykolaiv, Ukraine



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Chairperson:

Leonid Klymenko, Prof., DSc., Mykolaiv, Ukraine

Deputy Chairpersons:

Roman Dinzhos, Prof., DSc., Mykolaiv, Ukraine;

Olena Mitryasova, Prof., DSc., Mykolaiv, Ukraine.

Organizational and scientific committee:

Dmytro Mats, deputy head of Ecology and Natural Resources Department of the Mykolaiv Regional State Administration, Mykolaiv, Ukraine;

Oleksandr Diachenko, Acting Director, Regional Landscape Park «Tiligulsky», Ukraine;

Chad Staddon, Prof., University of the West of England, United Kingdom;

Ruslan Mariychuk, Assoc. Prof., DSc., CSc., Prešov, Slovakia;

Vadym Chvyr, Mykolaiv, Ukraine (*secretary*);

Viktor Smyrnov, Assoc. Prof., Dr., Mykolaiv, Ukraine;

Andrii Mats, Mykolaiv, Ukraine.

Venue of the Conference: 54003, Ukraine, Mykolaiv, st. 68 Desantnykiv, 10, Council hall, 5-107.

Format of the Conference is hybrid (offline & online, ZOOM)

Meeting ID: 379 105 1773

Passcode: 3X3mjf

Conference languages:

English, Ukrainian (translation will be provided for Ukrainian participants).

The International Conference is organized within the EU Erasmus+JM [Project «European Green Dimensions» 101081525 JM EUGD \(101081525 — JM EUGD — ERASMUS-JMO-2022-HEI-TCH-RSCH\)](#)

"Be the change you want to see in the world!" - Mahatma Gandhi

Thursday, June 5, 2025

ZOOM

WELCOME SPEECHES

10:00 - 10:20 EEST

9:00 - 9:20 CEST

Leonid KLYMENKO, Acting Rector of the Petro Mohyla Black Sea National University, Mykolaiv, Ukraine;

Roman DINZHOS, vice-rector for scientific work of the Petro Mohyla Black Sea National University, Mykolaiv, Ukraine. Mykolaiv, Ukraine;

Olena MITRYASOVA, Coordinator of the Project, Professor of the Ecology Department, Petro Mohyla Black Sea National University, NGO "Open Environmental University", Mykolaiv, Ukraine;

Dmytro MATS, Deputy head of Ecology and Natural Resources Department of the Mykolaiv Regional State Administration, Mykolaiv, Ukraine;

Ruslan MARIYCHUK, Dr., Assoc.Prof., the Ecology Department, University of Presov, Presov, Slovakia;

Chad STADDON, Professor of Resource Economics & Policy Director, International Water Security Network, University of the West of England, United Kingdom.

KEYNOTES

Moderator: Olena Mitryasova (Mykolaiv, Ukraine)

EU ERASMUS+ JEAN MONNET ACTIONS IN UKRAINE

Petro KRAINIK, manager of the Jean Monnet Actions of the National Erasmus+ Office in Ukraine, Kyiv.

HIGHER EDUCATION IN THE CONTEXT OF IMPLEMENTATION OF SUSTAINABLE DEVELOPMENT PRINCIPLES

Olena MITRYASOVA, Coordinator of the Project, Professor of the Ecology Department, Petro Mohyla Black Sea National University, NGO "Open Environmental University", Mykolaiv, Ukraine.

10:20 - 12:30 EEST
9:20 - 11:30 CEST

STRATEGY OF REGIONAL DAIRY SUBCOMPLEX DEVELOPMENT IN THE CONTEXT OF EUROPEAN INTEGRATION

Dmytro SOLOMONKO, professor, Stepan Gzhytskyi National University of Veterinary Medicine and Biotechnologies, Lviv, Ukraine;

Oksana SALAMIN, PhD, Stepan Gzhytskyi National University of Veterinary Medicine and Biotechnologies, Lviv, Ukraine;

Pavlo MUZYKA, lecturer, Stepan Gzhytskyi National University of Veterinary Medicine and Biotechnologies, Lviv, Ukraine.

THE ROLE OF ARTIFICIAL INTELLIGENCE IN ADVANCING SUSTAINABILITY AND THE EUROPEAN GREEN DEAL

Oleksii KOFANOV, Associate Professor, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, Ukraine;

Olena KOFANOVA, Professor, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, Ukraine.

THE DIGITAL TRANSFORMATION OF THE EU AS A FACTOR IN SUSTAINABLE DEVELOPMENT

Yuliia KALIUZHNA, Dr., Associate Professor of the Department of Political Science, Sociology and Culturology, H. S. Skovoroda Kharkiv National Pedagogical University, Kharkov, Ukraine.

NEW UKRAINIAN GREEN CONSTRUCTION STANDARDS

Tetiana TKACHENKO, Professor, Head of the Department of Environmental Protection Technologies and Labour Safety, Kyiv National University of Construction and Architecture;

Viktor MILEIKOVSKYI, Professor, Professor of the Heat-Gas Supply and Ventilation Department, Kyiv National University of Construction and Architecture, Kyiv, Ukraine.

LASER-INDUCED BREAKDOWN SPECTROSCOPY APPLICATION FOR METALLIC IONS DETECTION IN NATURAL WATERS

Iryna GONCHAROVA, Research Scientist of the Photonics Laboratory LPHIA, SFR MATRIX, University of Angers, Angers, France; Associate Professor of the Department of Commodity Science and Pharmacy, State University of Trade and Economics, Kyiv, Ukraine.

	<p>SWOT ANALYSIS OF ENVIRONMENTAL SAFETY OF THE USE OF ALTERNATIVE ENERGY SOURCES</p> <p>Volodymyr BOGOLIUBOV, Professor, National University of Life and Environmental of Ukraine, Kyiv, Ukraine.</p>
<p>12:30 - 13:30 EEST 11:30 - 12:30 CEST</p>	<p>Lunch Break</p>
	<p>ROUND TABLE</p> <p>«THE EU – UKRAINE COLLABORATION FOR GREEN FUTURE DEVELOPMENT»</p>
	<p>IMPLEMENTATION OF EUROPEAN ENVIRONMENTAL LEGISLATION IN THE FIELD OF CLIMATE CHANGE IN THE MYKOLAIV OBLAST TERRITORY</p> <p>Dmytro MATS, deputy head of the Ecology and Natural Resources Department of the Mykolaiv Regional State Administration, Mykolaiv, Ukraine; Evheniya ZHARIKOVA, chief specialist, the Ecology and Natural Resources Department of the Mykolaiv Regional State Administration, Mykolaiv, Ukraine.</p>
<p>13:30 - 15:30 EEST 12:30 - 14:30 CEST</p>	<p>RESTORATION OF INDIGENOUS STEPPE NATURAL HABITATS</p> <p>Natalia KOROI, Deputy Director, NNP "Buzkyi Gard", Ukraine; Vladyslav ARTAMONOV, Acting Director, NNP "Buzkyi Gard", Ukraine.</p>
	<p>THE ROLE OF THE "YELANETSKY STEPPE" NATURE RESERVE IN BIODIVERSITY CONSERVATION OF THE STEPPE ZONE</p> <p>Halyna DRABYNIUK, Director, Yelanetsky Steppe Nature Reserve, Ukraine.</p>
	<p>ABOUT THE IMPACT OF CLIMATE CHANGE ON BIRDS</p> <p>Konstantin REDINOV, Acting Director, Regional Landscape Park «Kinburnska Kosa», Ukraine.</p>
	<p>«ECOLOGICAL EDUCATIONAL TRAIL «TYPICAL STRANGERS»</p> <p>Oleg SHEPEL, Deputy Director, Regional Landscape Park «Priingulsky», Ukraine.</p>

15:30 - 16:00 EEST
14:30 - 15:00 CEST

DISCUSSION

Friday, June 6, 2025

[ZOOM](#)

KEYNOTES

Moderator: Olena Mitryasova (Mykolaiv, Ukraine)

10:00 - 11:30 EEST
9:00 - 10:30 CEST

ECOLOGICAL STATE OF THE AQUATIC ENVIRONMENT OF THE TERRITORY OF THE CAPSTONE MINING OF THE KOROSTEN PLUTO

Kateryna DEREVSKA, professor, National University of Kyiv-Mohyla Academy, Kyiv, Ukraine;

Yevhen BRODSKY, bachelor, National University of Kyiv-Mohyla Academy, Ukraine.

WAR-RELATED IMPACTS ON WATER RESOURCES AS AN ADDITIONAL CHALLENGE TOWARDS EUROPEAN STANDARDS: SELECTED COMMUNITIES OF THE LOWER DNIPRO

Iryna BABANINA, researcher, the Conflict and Environment Observatory, Ukraine.

SURFACE WATER POLLUTION ASSESSMENT IN THE DNIPRO RIVER BASED ON HYDROCHEMICAL AND SATELLITE DATA

Maryna HRYHA, PhD, Senior Data Scientist, Center for Innovative Earth and Space Exploration, Kyiv, Ukraine.

ENVIRONMENTAL IMPACT AND FLOWS OF WASTE BATTERIES IN CHINA

Sun XIAODONG, PhD Student, Vinnytsia National Technical University, Vinnytsia, Ukraine;

Vitalii ISHCENKO, Dr., Assoc. Prof., Vinnytsia National Technical University, Vinnytsia, Ukraine.

ANALYSIS OF THE DYNAMICS OF ATMOSPHERIC AIR TEMPERATURE IN MYKOLAIV

Larysa PATRUSHEVA, Dr., Assoc. Prof., Petro Mohyla Black Sea National University, Mykolaiv, Ukraine.

11:30 - 12:00 EEST
10:30 - 11:00 CEST

Break

11:30 – 12:30 EEST 10:30 – 11:30 CEST	FORECASTING OF PV ENERGY PRODUCTION USING MACHINE LEARNING METHODS Paweł KUT , Assistant, Rzeszow University of Technology, Rzeszow, Poland; Katarzyna PIETRUCHA-URBANIK , Professor, Rzeszow University of Technology, Rzeszow, Poland.
	STRATEGIES FOR IMPROVING PHARMACEUTICAL WASTEWATER TREATMENT PROCESSES Dmytro KARPUK , student, O. M. Beketov National University of Urban Economy in Kharkiv, Kharkiv, Ukraine.
	THE GREAT MEADOW AS A GREEN FRONTIER OF CLIMATE-NEUTRAL EUROPE Pavlo OLIINYK , PhD Student, Zaporizhia National University, Zaporizhia, Ukraine.
	ACCESS TO WATER DURING ARMED CONFLICTS: ENVIRONMENTAL AND HUMANITARIAN CHALLENGES Oleksandra KOVALSKA , PhD Student, Petro Mohyla Black Sea National University, Mykolaiv, Ukraine.
	INVESTIGATION OF BIOLOGICALLY ACTIVE COMPOUNDS IN BERRIES OF THE CARPATHIANS AND THE BLACK SEA REGION AS A TOOL FOR ENVIRONMENTAL EDUCATION Maria SMYRNOVA , Bachelor Student, Taras Shevchenko National University of Kyiv, Ukraine; Viktor SMYRNOV , Assoc. Prof., Dr., Petro Mohyla Black Sea National University, Mykolaiv, Ukraine.
12:30 - 13:30 EEST 11:30 - 12:30 CEST	Lunch Break
13:30 - 15:30 EEST 12:30 - 14:30 CEST	STRATEGIES OF ALGAL BIOTECHNOLOGY FOR THE GREEN INITIATIVES Alla SILKINA , Dr, Department of Biosciences, Swansea University, U.K.
	RECENT ADVANCES IN THE GREEN SYNTHESIS OF NANOPARTICLES: PROPERTIES AND APPLICATIONS Ruslan MARIYCHUK , Dr., Assoc. Prof., the Ecology Department, University of Presov, Slovakia.
	ERASMUS+ INTERNATIONAL CREDIT MOBILITY KA171: OPPORTUNITIES FOR PARTNER COUNTRIES Ruslan MARIYCHUK , Dr., Assoc. Prof., the Ecology Department, University of Presov, Slovakia.

EVALUATION OF THE ANTIMICROBIAL PROPERTIES OF PHYTOSYNTHESIZED METAL NANOPARTICLES

Ruslan MARIYCHUK, Dr., Assoc. Prof., the Ecology Department, University of Presov, Slovakia.

DRINKING WATER SECURITY CHALLENGES IN ENGLAND

Chad STADDON, Professor of Resource Economics & Policy Director, International Water Security Network, University of the West of England, United Kingdom.

15:30 - 16:00 EEST
14:30 - 15:00 CEST

DISCUSSION

Saturday, June 7, 2025

OFFSITE SESSION

8:00 - 17:00 EEST
7:00 - 16:00 CEST

GREEN DIMENSIONS IN THE FIELD OF BIODIVERSITY CONSERVATION: SESSION AT THE REGIONAL LANDSCAPE PARK «TILIGULSKY»

Olena MITRYASOVA, Coordinator of the Project, Professor of the Ecology Department, Petro Mohyla Black Sea National University, NGO “Open Environmental University”, Mykolaiv, Ukraine;

Dmytro MATS, deputy head of Ecology and Natural Resources Department of the Mykolaiv Regional State Administration, Mykolaiv, Ukraine;

Oleksandr DIACHENKO, Acting Director, Regional Landscape Park «[Tiligulsky](#)», Ukraine.

16:00 - 17:00 EEST
15:00 - 16:00 CEST

CONFERENCE CLOSING



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