



MINISTRY OF EDUCATION
AND SCIENCE OF UKRAINE
NATIONAL UNIVERSITY
OF FOOD TECHNOLOGIES
NATIONAL ERASMUS+ OFFICE IN UKRAINE
EUROPEAN STUDIES PLATFORM



PROGRAMME
VI INTERNATIONAL CONFERENCE
EUROPEAN DIMENSIONS OF
SUSTAINABLE DEVELOPMENT



MAY 15-17, 2024, KYIV

VI International Conference EUROPEAN DIMENSIONS OF SUSTAINABLE DEVELOPMENT
is held at the National University of Food Technologies, Kyiv (online). The Plenary session reports are up to 20 min, sections reports are up to 10 min. Working languages are English and Ukrainian.

All sessions will be held online at the link:

<https://us02web.zoom.us/j/81889186134?pwd=VEZmZ09NREtHVkNpRnFtcM5Md3M1UT09>

Meeting ID: 818 8918 6134 Passcode: 305159

**WEDNESDAY, MAY 15, 2024
ONLINE**

WELCOME WORDS

9:30 – 9:45 (Kyiv time)

Oleksandr SHEVCHENKO, rector of the National University of Food Technologies, Kyiv, Ukraine

Svitlana SHYTIKOVA, Head of the National Erasmus+ Office in Ukraine

PLENARY SESSION (Part 1)

9:45 - 13:00 (Kyiv time)

Moderator – **Prof. Igor Yakymenko**, National University of Food Technologies, Kyiv, Ukraine

EUROPEAN SUSTAINABILITY: AMBITIONS AND CHALLENGES

Igor Yakymenko¹, Oksana Salavor¹, Yevhenii Shapovalov¹, Diane Henshel², Anatoli Giritch³

¹*National University of Food Technologies, Kyiv, Ukraine*

²*Indiana University Bloomington, USA*

³*Nomad Bioscience GmbH, Halle (Saale), Germany*

OUR ENVIRONMENT AND SURROUNDINGS AS A KEY TO SUCCESSFUL
IMPLEMENTATION OF THE SUSTAINABLE DEVELOPMENT

Katerina Sebkova

Masaryk University, Brno, Czech Republic

DIAGNOSTIC AND THERAPEUTIC POTENTIAL OF EXTRACELLULAR VESICLES

Igor Kurochkin

Central Research Laboratory, Sysmex Co., Kobe, Japan

COUPLING OF BIOMASS MATERIAL AND ENERGY USE THROUGH PLUG-FLOW DARK FERMENTATION

Stefan Junne¹, Simon Täuber², Peter Neubauer²

¹Aalborg University, Esbjerg, Denmark

²Technical University of Berlin, Germany

SUSTAINABILITY IN THE FOOD AND BEVERAGE INDUSTRY BY ANAEROBIC DIGESTION

Günther Bochmann

University of Natural Resources and Life Sciences, Vienna, Austria

DEEP PROCESSING OF AGRARIAN RAW MATERIALS AND WASTES IN UKRAINE

Dmytro Krasutskyy, Yevhen Lukashevych

Ukrainian Technological Company, Kyiv, Ukraine

EU WATER LAW AND POLICY – ADAPTATION TO CLIMATE CHANGE

Paulo Canelas de Castro

Faculty of Law, University of Macau, Taipa, Macau

Institute of European Studies of Macau,

Faculty of Law, University of COIMBRA, Portugal

Lunch break: 13:00 - 14:00

PLENARY SESSION (Part 2)

14:00 - 16:30 (Kyiv time)

Moderator – **Dr. Anatoli Giritch**, Nomad Bioscience GmbH, Halle, Germany

TISSUE ENGINEERING SCAFFOLD DEVELOPMENT – COOPERATION WITH EUROPE

Maksym Pogorielov

University of Latvia, Riga, Latvia; Sumy State University, Sumy, Ukraine

FROM THEORY TO PRACTICE: INSIDE THE NATIONAL CENTER FOR THERAPEUTICS MANUFACTURING

Andrew Syvyk

National Center for Therapeutics Manufacturing, Texas A&M University, USA

MADE IN PLANTS RECOMBINANT PROTEINS FOR MEDICINE AND FOOD

Anatoli Giritch

Nomad Bioscience GmbH, Halle, Germany

CLIMATE RESILIENCE FROM THE GROUND UP: ENCOURAGING CLIMATE ADAPTATION
ONE BUILDING AT A TIME

Diane Henshel

Indiana University Bloomington, USA

CHALLENGES AND APPLICATIONS OF CELLULOSE NANOFIBRILS IN DIFFERENT
CONTEXTS FOR SUSTAINABLE DEVELOPMENT

**Gustavo Henrique Denzin Tonoli, Ianca Oliveira Borges, Lays Camila Matos,
Jenaina Ribeiro Soares, Fabiana Felix da Silva, Julio Cesar Ugucioni**

Universidade Federal de Lavras, Brazil

THURSDAY, MAY 16, 2024

ONLINE

ORAL SECTION: ENVIRONMENTAL SUSTAINABILITY

09:30 - 13:00 (Kyiv time)

Moderator – **Dr. Yevhenii Shapovalov**, Ministry of Digital Transformation of Ukraine;
National University of Food Technologies, Kyiv, Ukraine

INDIVIDUAL EXPERTISE AS A CONTRIBUTION TO SUSTAINABLE DEVELOPMENT IN
OVERCOMING CONSEQUENCES OF RUSSIAN INVASION IN UKRAINE

Nina Pavliuk

Masaryk University, Brno, Czech Republic

HORIZON EUROPE PROJECT «SYMSITES» PRODUCTION OF BIOGAS AND PROCESS
WATER FROM FOOD INDUSTRY WASTEWATER

Wolfgang Gabauer

University of Natural Resources and Life Sciences, Vienna, Austria

ADVANCING BIOPROCESS DEVELOPMENT BY FULLY AUTOMATED MODEL-BASED
CHARACTERIZATION OF MICROBIAL PRODUCTION PROCESSES

Peter Neubauer

KIWI-biolab and Chair of Bioprocess Engineering, Technical University of Berlin, Germany

TRANSFORMATIONS OF ENERGY LANDSCAPES. LOCATION CONSIDERATIONS RELATED
TO THE CUMULATIVE ENVIRONMENTAL IMPACT OF PHOTOVOLTAIC FARM COMPLEXES

Michal Kupiec

Institute of Spatial Management and Socio-Economic Geography, University of Szczecin, Poland

POSITIVE IMPACT OF SUSTAINABLE PRACTICES ON SETTING THE COMPANY'S GOALS FOR IMPLEMENTING CHANGES

Mykhailo Buriak¹, Oksana Makovoz^{1,2}

¹*National Technical University “Kharkiv Polytechnic Institute”, Kharkiv, Ukraine*

²*IHI Zittau, Dresden Technical University, Dresden, Germany*

MICROBIAL METAL RESISTANCE FOR THE SUSTAINABLE ENVIRONMENT

Vira Hovorukha^{1,2}, Iryna Bida², Olesia Havryliuk^{2,3}, Ewa Moliszewska¹, Oleksandr Tashyrev^{1,2}

¹*University of Opole, Opole, Poland*

²*D. K. Zabolotny Institute of Microbiology and Virology of the National Academy of Sciences of Ukraine, Kyiv, Ukraine*

³*Universitat Politècnica de Catalunya-BarcelonaTech, Terrassa, Spain*

METHODS AND FUTURE PROSPECTS OF ANIMAL FAT CONVERSION INTO BIOFUEL

Vladyslav Sukhenko¹, Lesya Avdieieva², Yevgeny Sukhenko³

¹*Cherkasy State Technological University, Cherkasy, Ukraine*

²*Institute of Engineering Thermophysics of the National Academy of Sciences of Ukraine*

³*National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine*

IMPLEMENTATION OF SUSTAINABLE DEVELOPMENT GOAL 6 IN UKRAINE: CHALLENGES AND OBSTACLES (AS EXAMPLE OF RIVER ROS’)

Vlas Berezovyi, Viacheslav Kharchenko

National University of Food Technologies, Kyiv, Ukraine

ENERGY EFFICIENT HOUSING USING INDUSTRIAL HEMP

Sergiy Kovalenkov

Hempire LLC, Kyiv, Ukraine

THE EUROPEAN GREEN DEAL AS A ROAD MAP FOR THE RESTORATION OF ZAPORIZHZHIA

Olena Boika, Iryna Poliakova

Zaporizhzhia National University, Zaporizhzhia, Ukraine

CIRCULAR BIOECONOMY FOR SUSTAINABLE DEVELOPMENT IN UKRAINE

Maryna Yaremova, Liudmyla Tarasovych

Polissia National University, Zhytomyr, Ukraine

SOME PECULIARITIES BIOFILM FORMING AT WASTEWATER TREATMENT IN BIOREACTORS

Serhii Telyma¹, Oleksandr Diatel²

¹*Institute of Hydromechanics of National Academy of Science of Ukraine, Kyiv, Ukraine*

²*State Ecological Academy of Postgraduate Education and Management, Kyiv, Ukraine*

METHODOLOGY OF DIGITAL IT PROJECTS MANAGEMENT IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT STRATEGY

Olena Chukurna, Tetiana Tardaskina, Violeta Alkhimova, Leonid Pankovets

State University of Intelligent Technologies and Telecommunications, Odessa, Ukraine

NON-DESTRUCTIVE ANALYSIS OF THE CONTENT OF MINERAL COMPONENTS OF CHICORY TO INCREASE ITS ENVIRONMENTAL SAFETY

Inna Popova², Igor Palamarchuk¹, Marija Zheplinska¹, Mikhailo Mushtruk¹, Volodymyr Vasylyv¹

¹*National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine*

²*National University of Food Technology, Kyiv, Ukraine*

PESTICIDE CONTAMINATION OF HONEY

Oksana Tsekhmistrenko

Bila Tserkva National Agrarian University, Bila Tserkva, Ukraine

WET WIPES AS A CAUSE OF ENVIRONMENTAL PROBLEMS: A MINI REVIEW

Nataliia Tkachuk¹, Liubov Zelena², Yaroslav Novikov¹

¹*T. H. Shevchenko National University "Chernihiv Colehium", Chernihiv, Ukraine*

²*Danylo Zabolotny Institute Microbiology and Virology, NAS of Ukraine, Kyiv, Ukraine*

POSTER SECTION: ENVIRONMENTAL SUSTAINABILITY

THE ROLE OF FUNGI IN THE GREEN SYNTHESIS OF CdS QUANTUM DOTS: NANOTECHNOLOGY APPLIED TO SOLAR ENERGY

Tatiana Cardoso e Bufalo¹, Helena Rabelo Freitas², Mylene Silva Ladislao¹, Carlos Godinho de Abreu¹, Hector José Valério Ardon¹, Joaquim Paulo da Silva¹, Eustáquio Souza Dias¹

¹*Institute of Natural Sciences, Federal University of Lavras, Lavras, Brazil*

²*Catalan Institute of Nanoscience and Nanotechnology, Barcelona, Spain*

ENVIRONMENTAL LEGISLATION OF UKRAINE: TOWARDS THE EUROPEAN UNION APPROACHES

Igor Yakymenko, Olena Dotsenko, Victoria Negretova, Oleksandra Pobuta, Maryna Grychenko, Svitlana Madzhd

National University of Food Technologies, Kyiv, Ukraine

WASTE FROM BAKING SODA PRODUCTION TO BE USED FOR BIOCEMENTATION

Iryna Kovshar, Viktor Stabnikov

National University of Food Technologies, Kyiv, Ukraine

SUSTAINABLE DEVELOPMENT OF CIVIL AVIATION: ENVIRONMENTAL ISSUES FOR UKRAINIAN AIRPORT RESTORATION

Kateryna Kazhan, Iryna Yakymets

National Aviation University, Kyiv, Ukraine

ENVIRONMENTAL SUSTAINABILITY: BIOTIC POTENTIAL OF HYDROECOSYSTEMS

Svitlana Madzhd, Oksana Nychyk

National University of Food Technologies, Kyiv, Ukraine

ECOLOGICAL ASPECTS AND POTENTIAL OF EUGLENA GRACILIS APPLICATION IN VARIOUS FIELDS OF SCIENCE AND TECHNOLOGY

Evgeniya Fedoryshyna, Olena Semenova

National University of Food Technologies, Kyiv, Ukraine

BIOMATERIALS BASED ON FUNGI MYCELIUM IN THE CONCEPT OF SUSTAINABLE DEVELOPMENT

Polina Prykhodko, Olha Kaliuzhnaia, Natalya Khokhlenkova

National University of Pharmacy, Kharkiv, Ukraine

USE OF PROTEASES OF MICROORGANISMS TO SOLVE ENVIRONMENTAL PROBLEMS

Olena Gudzenko, Liudmyla Varbanets

Zabolotny Institute of Microbiology and Virology, NAS of Ukraine, Kyiv, Ukraine

SUSTAINABLE RECOVERY OF UKRAINE – EXPERIENCE AND OFFERS OF DTEK GRIDS

Olena Potapenko

LLC DTEK Grids, Dnipro, Ukraine

RISKS AND PROBLEMS OF DRINKING WATER SUPPLY IN UKRAINE IN MODERN CONDITIONS

Tetiana Chorna¹, Nataliia Husiatynska²

¹*State Tax University, Irpin, Ukraine*

²*National University of Food Technologies, Kyiv, Ukraine*

THE ROLE OF FAMILY HOMESTAD SETTLEMENTS IN THE ECOLOGICAL TOURIST ACTIVITIES AS GROWTH FOR SUSTAINABLE DEVELOPMENT

Mariia Plotnikova, Oksana Prysiazhniuk, Oleksiy Buluy

Polissia National University, Zhytomyr, Ukraine

THE USE OF NANOPARTICLES FOR REMEDIATION OF THE ECOLOGICAL ENVIRONMENT OF UKRAINE CAUSED BY WAR

Svitlana Tsekhmistrenko, Volodymyr Bityutskyy, Oksana Tsekhmistrenko

Bila Tserkva National Agrarian University, Bila Tserkva, Ukraine

THE PRINCIPLE OF ENSURING ECOLOGICAL CONTINUITY IN THE ZONES OF INFLUENCE OF PUBLIC ROADS

Tetiana Morozova

National Transport University, Kyiv, Ukraine

EFFECTIVENESS OF USING MEDIA COMMUNICATION IN ENVIRONMENTAL GOVERNANCE

Olena Mykhailovska

Chernihiv Polytechnic National University, Chernihiv, Ukraine

PROCESSING OF ORGANIC WASTE IN UKRAINE AND THE EU

Oksana Salavor¹, Nataliya Bublienکو¹, Oksana Nychyk¹, Yevhen Lukashevich², Yuliya Voytenko Palgan³

¹*National University of Food Technologies, Kyiv, Ukraine*

²*Ukrainian Technological Company, Kyiv, Ukraine*

³*Lund University, Lund, Sweden*

БІОХІМІЧНІ ПОКАЗНИКИ КРОВІ ВРХ ЗА ТРИВАЛОГО УТРИМАННЯ НА ЗАБРУДНЕНІЙ РАДІОНУКЛІДАМИ ТЕРИТОРІЇ

Микола Лазарєв, Алла Клепко, Лілія Калачнюк

Національний університет біоресурсів і природокористування України

Lunch break: 13:00 - 14:00

ORAL SECTION: ECONOMIC GROWTH FOR SUSTAINABLE DEVELOPMENT

14:00 – 16:00 (Kyiv time)

Moderator – **Dr. Tetiana Sobolieva**, Kyiv National Economic University
named by Vadym Hetman, Kyiv, Ukraine

ENVIRONMENTAL START-UPS IN THE SOLAR ENERGY SECTOR: SOCIAL INITIATIVES OR PROFITABLE PROJECTS?

Tetiana Stroiko¹, Carlos de las Heras Jambrino², Patricia P. Iglesias Sánchez²

¹*V. O. Sukhomlynskyi National University of Mykolaiv, Mykolaiv, Ukraine*

²*Universidad de Málaga, Málaga, Spain*

THE INTERCONNECTED NATURE OF SUSTAINABLE DEVELOPMENT GOALS:
A HOLISTIC APPROACH TO GLOBAL DEVELOPMENT

Oksana Liashenko¹, Olga Demianiuk²

¹Universidad de Sevilla, Seville, Spain

²West Ukrainian National University, Ternopil, Ukraine

ACCELERATING SUSTAINABLE BUSINESS TRANSFORMATION

Tetiana Sobolieva, Anna Dobropas

Kyiv National Economic University named by Vadym Hetman, Kyiv, Ukraine

UKRAINIAN NATIONAL POLICY IN AGRARIAN SECTOR COMPETITIVENESS PROMOTION
CONSIDERING THE SUSTAINABLE DEVELOPMENT CONCEPT

Tetyana Sokolska, Olha Shaitor

Bila Tserkva National Agrarian University, Bila Tserkva, Ukraine

THEORETICAL AND METHODOLOGICAL FOUNDATIONS OF THE INNOVATION PROCESS
IN THE SYSTEM OF SUSTAINABLE DEVELOPMENT

Larysa Strashynska, Volodymyr Strashynskiy

National University of Food Technologies, Kyiv, Ukraine

NAVIGATING CHALLENGES: NGO DEVELOPMENT IN POLAND AND UKRAINE

Tetiana Popova

Poltava State Agrarian University, Poltava, Ukraine

THE POSSIBILITY FOR SUSTAINABLE DEVELOPMENT UNDER MILITARY-ECONOMIC
CYCLICITY

Vasylyna Podliesna

Institute for Economics and Forecasting of NAS of Ukraine, Kyiv, Ukraine

CHANGING DIRECTIONS IN THE DEVELOPMENT OF ARTIFICIAL INTELLIGENCE
TECHNOLOGIES

Ganna Kolomiyets, Olga Melentsova

V. N. Karazin Kharkiv National University, Kharkiv, Ukraine

THE USE OF ADVANCED IT TECHNOLOGIES IN HR OPERATIONS

Anastasiia Dukhnenko

Kyiv National Economic University, Kyiv, Ukraine

BIOSURFACTANT PRODUCTION AND PETROLEUM DEGRADATION USING SPENT MUSHROOM SUBSTRATE

Marília Santiago Carvalho¹, Carlos Godinho de Abreu¹, Leonardo de Figueiredo Vilela², Tatiana Cardoso e Bufalo¹, Eustáquio Souza Dias¹

¹Federal University of Lavras, Brazil

²Faculdade de Ciências Médicas de Três Rios, Suprema - Três Rios/RJ, Brazil

POSTER SECTION: ECONOMIC GROWTH FOR SUSTAINABLE DEVELOPMENT

MARKETING ASPECTS OF FRUIT AND BERRY PRODUCT EXPORT

Volodymyr Khlivetskyi

Dmytro Motorny Tavria State Agrotechnological University, Ukraine

IMPROVING THE CLASSIFICATION OF FOOD SECURITY INDICATORS IN THE CONTEXT OF THE WAR IN UKRAINE

Olha Kovalenko, Olena Bokiy, Hanna Lysenko, Natalia Riabinina

Institute of Food Recourses of NAAS, Kyiv, Ukraine

READINESS OF THE COMMUNITY OF KHARKIV TO SPREAD THE CONCEPT OF CIRCULAR ECONOMY AND SOCIAL ENTREPRENEURSHIP

Nataliia Gavkalova, Yuliia Lola

Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine

THE SOCIAL ENTREPRENEURSHIP AS A MECHANISM FOR REALIZING THE GOALS OF SUSTAINABLE DEVELOPMENT

Nataliia Suprun

Institute of Economics And Forecasting of the National Academy of Sciences of Ukraine, Kyiv, Ukraine

ORGANIZATION OF TAX PLANNING EFFICIENCY ANALYSIS

Ruslana Shurpenkova, Oksana Sarakhman

Ivan Franko National University of Lviv, Ukraine

Coffee break: 16:00 - 16:15

ORAL SECTION: SOCIAL INCLUSION AND PUBLIC HEALTH

16:15 - 17:30 (Kyiv time)

Moderator – **Dr. Mariia Galaburda**, National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine

CHALLENGES AND OPPORTUNITIES OF INTEGRATION ONE HEALTH COMPETENCIES FOR SUSTAINABLE VETERINARY EDUCATION IN UKRAINE

Mariia Galaburda¹, Valeria Yustyniuk², Olena Kuzminska¹

¹ National University of Life and Environmental Science of Ukraine, Kyiv, Ukraine

² University of Minnesota, USA

ANALYSIS OF GAPS IN DEMAND AND PROVISION OF PSYCHOLOGICAL ASSISTANCE OF THE MILITARY

Olena Ivanova

State University of Trade and Economics; Kyiv Medical University, Kyiv, Ukraine

EUROPEAN POLICIES AGAINST ADULTERATION OF PRODUCTS ON THE WAY TO SUSTAINABLE DEVELOPMENT

Zhanna Klishchova^{1,2}, Victoriia Petrashenko², Yurii Ataman², Jarmila Pekarcikova³, Tetiana Dereka⁴, Sergiy Kyrylenko²

¹ Universidade Federal de Lavras, Minas Gerais, Brazil

² Biomedical Research Center, Medical Institute of Sumy State University, Sumy, Ukraine

³ Trnava University, Trnava, Slovak Republic

⁴ Alexander Dubcek University of Trencin, Trencin, Slovak Republic

SUSTAINABLE DEVELOPMENT OF THE SYSTEM OF PUBLIC ADMINISTRATION IN UKRAINE THROUGH RESILIENCE OF ITS MANAGERIAL STAFF

Volodymyr Bondar

Kyiv International University, Kyiv, Ukraine

IMPROVING THE MEDICAL FIELD AND MEDICAL EDUCATION IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT

Olga Kyrylenko, Olga Kovalenko

Kyiv Medical University, Kyiv, Ukraine

MODELING ECONOMIC RECOVERY IN THE WAKE OF COVID-19: THE ROLE OF HR AND SOFT SKILLS

Oleh Sokil¹, Yana Sokil²

¹ Lviv Polytechnic National University, Lviv, Ukraine

² Dmytro Motornyi Tavria State Agrotechnological University, Zaporizhzhia, Ukraine

POSTER SECTION: SOCIAL INCLUSION AND PUBLIC HEALTH

SELF-ASSESSMENT AS A WAY TO DETERMINE THE LEVEL OF COMPETENCIES
DEVELOPMENT OF FUTURE SPECIALISTS IN SPECIAL AND INCLUSIVE EDUCATION

Halyna Ponomarova, Alla Kharkivska, Olena Kapustina

Municipal Establishment «Kharkiv Humanitarian Pedagogical Academy» of the Kharkiv Regional Council, Kharkiv, Ukraine

FORMS AND METHODS OF PRESERVING AND STRENGTHENING CHILDREN'S HEALTH IN
THE CONDITIONS OF TODAY'S MILITARY CHALLENGES

Alla Kharkivska, Alona Prokopenko, Nelli Tarasenko

Municipal Establishment «Kharkiv Humanitarian-Pedagogical Academy» of Kharkiv Regional Council, Kharkiv, Ukraine

SOCIAL RESILIENCE OF UKRAINE IN WAR AND POST-WAR PERIODS: THE NEED FOR
INSTITUTIONALIZATION

Tetiana Burlay

Institute for Economics and Forecasting of NAS of Ukraine, Kyiv, Ukraine

FEATURES OF SOCIAL INTEGRATION AND SOCIAL INCLUSION OF PRESCHOOL
CHILDREN WITH SPECIAL EDUCATIONAL NEEDS IN THE EDUCATIONAL PROCESS OF
THE PRESCHOOL EDUCATION INSTITUTION

Nataliia Lisnevskia

Ghluhiv national pedagogical university in the name of O. Dovzhenko, Ukraine

SCIENTIFIC CONCEPTS OF SUSTAINABLE DEVELOPMENT SOCIETIES IN THE DEVELOPED
COUNTRIES OF THE WORLD AT THE END OF THE XX – AT THE BEGINNING OF THE XXI
CENTURY

Oleksandr Pylypenko

National University of Food Technologies, Kyiv, Ukraine

SOCIAL INTELLIGENCE AND MENTAL HEALTH OF UKRAINIAN UNIVERSITY STUDENTS
WITH SPECIAL EDUCATIONAL NEEDS IN WARTIME

Olena Starynska, Liubov Spivak

Berdyansk State Pedagogical University, temporarily moved to Zaporizhzhia, Ukraine

СОЦІАЛЬНА БЕЗПЕКА І НАПРЯМИ ЇЇ РЕАЛІЗАЦІЇ В СУЧАСНИХ УМОВАХ

Оксана Гончаренко

Пенітенціарна академія України, Чернігів, Україна

ЗАБЕЗПЕЧЕННЯ СТАЛОГО ФУНКЦІОНУВАННЯ СИСТЕМИ ВОДОПОСТАЧАННЯ
ІРПІНСЬКОЇ ТЕРИТОРІАЛЬНОЇ ГРОМАДИ

Ірина Сагайдак, Тетяна Чорна, Артур Зубрицький, Ірина Качур, Тетяна Микитенко
Державний податковий університет, Ірпінь, Україна

ЕФЕКТИВНЕ ВИКОРИСТАННЯ ПОТЕНЦІАЛУ ВЕТЕРАНІВ ВІЙНИ ДЛЯ ЇХ СОЦІАЛЬНО-
ПСИХОЛОГІЧНОГО ВІДНОВЛЕННЯ

Юрій Жидецький, Наталія Пряхіна
Львівський державний університет внутрішніх справ

ОЗНАЙОМЛЕННЯ ДІТЕЙ СТАРШОГО ДОШКІЛЬНОГО ВІКУ З РІЗНИМИ ВИДАМИ
ТРАНСПОРТУ ЯК ЗАСІБ ЗАЛУЧЕННЯ ДО ЄВРОПЕЙСЬКИХ ЦІННОСТЕЙ

Тамара Андрєєва, Олена Дзюбенко, Вадим Яловець
Університет Григорія Сковороди в Переяславі, Переяслав, Україна

FRIDAY, MAY 17, 2024
ONLINE

ORAL SECTION: ADVANCED TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT
09:30 - 13:00 (Kyiv time)

Moderator – **Dr. Sergiy Kyrylenko**, Biomedical Research Center, Medical Institute of
Sumy State University, Sumy, Ukraine

REGENERATION OF PERIPHERAL NERVE INJURIES WITH MXene BASED
ELECTROCONDUCTIVE POLYMER NERVE GUIDANCE CONDUITS

**Sergiy Kyrylenko¹, Kateryna Diekova², Inna Chorna¹, Zhanna Klishchova^{1,3},
Serhii Duchnovskiy⁴, Ivan Baginskiy⁴, Veronika Zahorodna⁴, Iryna Roslyk⁴, Oleksiy Gogotsi⁴,
Paola Caro⁵, Alexandre Oliveira⁵, Maksym Pogorielov^{1,2}**

¹*Biomedical Research Center, Medical Institute of Sumy State University, Sumy, Ukraine*

²*Institute of Atomic Physics and Spectroscopy, University of Latvia, Riga, Latvia*

³*Federal University of Lavras UFLA, Lavras, MG, Brazil*

⁴*Carbon Ukraine Ltd, Kyiv, Ukraine*

⁵*University of Campinas UNICAMP, Campinas, SP, Brazil*

USING OF UNDERWATER VERTICAL AXIS TURBINES ARRAYS FOR CLEAN ENERGY HARVESTING

Olena Haisha¹, Eugen Rusu¹, Oleksandr Haisha²

¹Dunarea de Jos University of Galati, Galati, Romania

²Institute of Marine Sciences, Barcelona, Spain

APPLICATION OF SYSTEM ANALYSIS IN THE DEVELOPMENT OF GREEN ENERGY IN UKRAINE

Veronika Ostapenko, Yuliya Gladka

Kyiv National Economic University, Kyiv, Ukraine

ECOLOGICAL USE OF ADVANCE TECHNOLOGIES IN EDUCATION

Inna Cheremnykh, Liudmyla Fedorchuk

Taras Shevchenko National University of Kyiv, Ukraine

AI IN EDUCATION: CORRESPONDENCE WITH SUSTAINABLE PEDAGOGY APPROACH AND PRACTICAL IMPLEMENTATION CASE AT NUFT

Yevhenii Shapovalov

Ministry of Digital Transformation of Ukraine; National University of Food Technologies, Kyiv, Ukraine

STRATEGIE OF PRETREATMENT OF LIGNOCELLULOSIC BIOMASS FOR BIOETHANOL PRODUCTION AS BIOFUEL

Kateryna Danilova, Sergii Oliynichuk

Institute of Food Resources of NAAS, Kyiv, Ukraine

MUSHROOMS OF THE GENUS *HERICIUM* AS A TOOL FOR SUSTAINABLE BIORESOURCE MANAGEMENT: ANALYSIS OF GROWTH CONDITIONS

Olena Dotsenko¹, Viktoriia Krasinko¹, Margarita Lomberg², Oksana Mykchaylova^{2,3}

¹National University of Food Technologies, Kyiv, Ukraine

²M. G. Kholodny Institute of Botany of the National Academy of Sciences of Ukraine, Kyiv, Ukraine

³Igor Sikorsky Kyiv Polytechnic Institute, Kyiv, Ukraine

WAYS FOR BIOSYNTHESIS OF SILVER NANOPARTICLES USING MICROORGANISMS, ALGAE, AND PLANTS

Valeriia Marchenko, Oksana Skrotska, Rostyslav Koval

National University of Food Technologies, Kyiv, Ukraine

PRODUCTION OF IRON ENRICHED *SACCHAROMYCES CEREVISIAE*

Hanna Bondar, Viktoriia Krasinko

National University of Food Technologies, Kyiv, Ukraine

A DEVELOPMENT OF FAST CHROMATOGRAPHIC METHOD FOR INDOLEACETIC ACID DETERMINATION IN CELL CULTURES

Mykhailo Tymofiienko, Liudmila Butsenko

National University of Food Technologies, Kyiv, Ukraine

SACCHAROMYCES GENUS YEAST: BIOSYNTHESIS OF NANOPARTICLES

Oksana Skrotska, Pavlo Holubiev

National University of Food Technologies, Kyiv, Ukraine

KILLER YEAST AS AN IMPORTANT ECOLOGICAL FACTOR FOR BIOCONTROL MICROFUNGII IN THE AGRICULTURE

Maksym Klymenko, Viktoriia Krasinko

National University of Food Technologies, Kyiv, Ukraine

FORMATION OF THE DOMESTIC MARKET OF GLUTEN-FREE PRODUCTS IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT

Anastasiia Riznyk, Tetiana Sylchuk, Vita Tsyrunnikova, Olha Dulka, Olena Tyshchenko

National University of Food Technologies, Kyiv, Ukraine

BACTERIA *MESORHIZOBIUM CICERI* IS AN ECONOMICALLY AND ECOLOGICALLY BENEFICIAL BIOLOGICAL AGENT FOR GROWING CHICKPEAS

Oleh Vysotskyi, Viktoriia Krasinko

National University of Food Technologies, Kyiv, Ukraine

POSTER SECTION: ADVANCED TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT

THE TECHNOLOGY OF AUTOCATALYTIC PYROLYSIS TO UTILIZE HAZARDOUS ORGANIC WASTE

Roman Tarasenko¹, Lydmila Starzhinska¹, Ievgen Polunkin¹, Yevhenii Shapovalov^{2,3}, Daniel Janecki⁴, Agnieszka Dolhańczuk-Śródka⁴

¹*V. P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry of the National Academy of Sciences of Ukraine, Kyiv, Ukraine*

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⁴*University of Opole, Institute of Environmental Engineering and Biotechnology, Opole, Poland*

MODERN BIOTECHNOLOGIES IN THE FIELD OF FOOD WASTE PROCESSING WITH REGARD TO THE PRINCIPLES OF CIRCULAR ECONOMY

Iryna Korniienko, Olena Kuznietsova, Victoria Kermash, Larysa Yastremska, Mykhailo Baranovskyi

National Aviation University, Kyiv, Ukraine

ADVANCED ENERGY-EFFICIENT LOW-TEMPERATURE SEED DRYING TECHNOLOGIES

Vadym Paziuk, Kateryna Samoilenko, Serhii Biriukov

Institute of Engineering Thermophysics of NAS of Ukraine, Kyiv, Ukraine

ENRICHMENT OF WHOLE GRAIN BREAD WITH HERBAL ADDITIVES

Svitlana Bazhay-Zhezherun, Ludmyla Bereza-Kindzerska, Alla Bashta, Tetiana Fedorenko

National University of Food Technologies, Kyiv, Ukraine

INNOVATIVE PROBIOTICS, ENRICHED WITH SELENIUM NANOPARTICLES: A STEP
TOWARDS SUSTAINABLE DEVELOPMENT IN NUTRITION AND HEALTHCARE

Daria Syniavska, Natalia Gregirchak

National University of Food Technologies, Kyiv, Ukraine

RESEARCH OF THE PROCESS OF ENZYMATIC HYDROLYSIS OF MILK WHEY PROTEINS
AND SOY PROTEINS

Hanna Dekusha, Lesia Avdieieva, Mykola Kozak

Institute of Engineering Thermophysics of Ukraine National Academy of Sciences, Kyiv, Ukraine

NANOTECHNOLOGY AS A COMPONENT OF ADVANCED TECHNOLOGIES
FOR SUSTAINABLE DEVELOPMENT

Vitaly Polishchuk, Elena Yakhnovska, Svitlana Polishchuk, Svitlana Tsekhmistrenko

Bila Tserkva National Agrarian University, Bila Tserkva, Ukraine

EVALUATION OF THE INFLUENCE OF THE AMINO ACID COMPOSITION
OF WHEAT GERM AS ADDITIVE TO MEAT PRODUCTS

Marija Zheplinska, Volodymyr Vasylyv, Larisa Bal-Prylypko, Mikhailo Mushtruk,

Nataliia Slobodianiuk, Konstantyn Gorenkov

National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine

COMPARATIVE CHARACTERISTICS OF SUSTAINABLE DEVELOPMENT STRATEGIES IN
FOOD INDUSTRY ENTERPRISES

Oksana Hrebelyk, Liudmyla Zahorui

Bila Tserkva Agrarian University, Bila Tserkva, Ukraine

CONCEPTUAL PRINCIPLES OF THE CREATION OF THE NATIONAL ELECTRONIC
SCIENTIFIC INFORMATION PLATFORM OF ACADEMIC EVENTS

Oleksandr Platonov, Yevhenii Shapovalov, Tetiana Rudakova, Viktor Shapovalov

The State Scientific and Technical Library of Ukraine, Kyiv, Ukraine

ENVIRONMENTAL FRIENDLINESS OF THE PRODUCTION OF GLYCOSAMINOGLYCANS BY
BIOTECHNOLOGICAL MEANS

Maryna Hryshchenko, Svitlana Starovoitova

National University of Food Technologies, Kyiv, Ukraine

TOXICITY OF SODIUM SELENITE AND INTRACELLULAR BIOSYNTHESIS OF SELENIUM NANOPARTICLES USING SACCHAROMYCES CEREVISIAE M437 FOR THEIR FURTHER USE IN DETOXIFICATION OF THE BODY

Oleksandr Zholobko, Maria Protsenko, Oksana Skrotska

National University of Food Technologies, Kyiv, Ukraine

INTENSIFICATION OF WASTEWATER TREATMENT BIOTECHNOLOGY USING YELLOW SAPONITE

Tetiana Suleiko, Olena Semenova

National University of Food Technologies, Kyiv, Ukraine

RECYCLING AND DISPOSAL OF LITHIUM-ION BATTERIES

Petro Zinkevych, Serhii Baliuta, Iuliia Kuievda

National University of Food Technologies, Kyiv, Ukraine

PROSPECTS AND IMPACTS OF INNOVATIVE TECHNOLOGY FOR PROCESSING NATURAL FRUIT RAW MATERIALS INTO POWDER FORM

Andrii Makarenko, Tetiana Turchyna, Lesia Avdieieva

Institute of Engineering Thermophysics, National Academy of Sciences of Ukraine, Kyiv, Ukraine

ONLINE-GAMES FOR THE DEVELOPMENT OF EMOTIONAL INTELLIGENCE

Svitlana Derevyanko

T. H. Shevchenko National University «Chernihiv Colehium», Chernihiv, Ukraine

INTELLECTUAL PROPERTY LAW IN THE CONTEXT OF OPEN ACCESS: CHALLENGES AND OPPORTUNITIES FOR UKRAINIAN UNIVERSITIES

Iryna Druzhkova

Odesa State University of Internal Affairs, Odesa, Ukraine

ІННОВАЦІЙНІ ТЕХНОЛОГІЇ В ГОТЕЛЬНО-РЕСТОРАННОМУ ПІДПРИЄМСТВІ ДЛЯ СТАЛОГО РОЗВИТКУ

Інга Дочинець

Національний університет харчових технологій, Київ, Україна

ЕКОЛОГІЧНА СКЛАДОВА СТРАТЕГІЇ СТАЛОГО РОЗВИТКУ У ТЕХНОЛОГІЯХ КОМБУЧІ

Ольга Дулька, Віталій Прибильський

Національний університет харчових технологій, Київ, Україна

Lunch break: 13:00 - 14:00

ORAL SECTION: EUROPEAN STUDIES FOR SUSTAINABLE DEVELOPMENT

14:00 - 15:00 (Kyiv time)

Moderator – **Prof. Olena Mitryasova**, Petro Mohyla Black Sea National University,
Mykolaiv, Ukraine

INTERDISCIPLINARY EUROPEAN STUDIES IN THE FIELD OF GREEN INITIATIVES

Olena Mitryasova¹, Ruslan Mariychuk², Viktor Smyrnov¹, Vadym Chvyr¹, Andrii Mats¹

¹Petro Mohyla Black Sea National University, Mykolaiv, Ukraine

²University of Presov, Presov, Slovakia

DETERMINANTS OF COOPERATION BETWEEN THE UNIVERSITY OF OPOLE AND THE JUNIOR ACADEMY OF SCIENCES IN UKRAINE IN EPIDEMIC AND MILITARY CONDITIONS

Fabian Andruszkiewicz

Institute of Pedagogical Sciences, University Opole, Opole, Poland

INTERNATIONALIZATION AS A LEADING FACTOR OF UKRAINIAN UNIVERSITY INTEGRATION INTO THE EUROPEAN EDUCATIONAL SPACE

Alina Maslova, Olga Goncharova

Bogdan Khmelnytsky Melitopol State Pedagogical University, Zaporizhzhia, Ukraine

INTEGRATING SUSTAINABLE DEVELOPMENT GOALS INTO TEACHING EFL

Halyna Cherednichenko, Olha Nykytenko

National University of Food Technologies, Kyiv, Ukraine

THE JEAN MONNET CHAIR: ENVIRONMENTAL MANAGEMENT AND COMMUNICATION IN THE EUROPEAN UNION

Igor Yakymenko¹, Natalia Hrehirchak¹, Anatoli Giritch²,

Yevhenii Shapovalov^{1,3}, Oksana Skrotska¹

¹National University of Food Technologies, Kyiv, Ukraine

²Nomad Bioscience GmbH, Halle (Saale), Germany

³Ministry of Digital Transformation of Ukraine, Kyiv

POSTER SECTION: EUROPEAN STUDIES FOR SUSTAINABLE DEVELOPMENT

MARKET PECULIARITIES OF THE POLISH CONFECTIONERY MARKET

Vitalii Venger¹, Nataliia Romanovska¹, Andrii Ramskyi², Oleksandr Sheiko³, Olena Burunova⁴

¹*State Institution “Institute for Economics and Forecasting of National Academy of Sciences of Ukraine”, Kyiv, Ukraine*

²*Borys Grinchenko Kyiv Metropolitan University, Kyiv, Ukraine*

³*The Ukrainian Chamber of Commerce and Industry, Kyiv, Ukraine*

⁴*Jan Dlugosz University in Czestochowa, Poland*

SUSTAINABLE FUTURE FOR UKRAINE: CLARIFYING THE SENSES AND STUDYING THE CASES OF DOUGHNUT MODEL

Viktoriia Kiptenko, Snizhana Ulanova

Taras Shevchenko National University of Kyiv, Kyiv, Ukraine

ВИМІР СТАЛОГО РОЗВИТКУ АГРОПРОДОВОЛЬЧОЇ СИСТЕМИ У РАМКАХ СПІЛЬНОЇ АГРАРНОЇ ПОЛІТИКИ ЄС

Ольга Попова

ДУ «Інститут економіки та прогнозування НАН України», Київ, Україна

Coffee break: 15:00 - 15:15

ORAL SECTION: RUSSIAN INVASION OF UKRAINE AS A THREAT TO EUROPEAN SUSTAINABILITY 15:15 - 16:30 (Kyiv time)

Moderator – **Dr. Viacheslav Kharchenko**, National University of Food Technologies,
Kyiv, Ukraine

THE ENVIRONMENTAL DEVASTATION OF UKRAINE: A RESULT OF RUSSIA'S WAR CRIMES

Viacheslav Kharchenko, Andriy Kotynsky, Igor Yakymenko

National University of Food Technologies, Kyiv, Ukraine

THE MARINE POLLUTION UNDER CONDITIONS OF RUSSIAN AGGRESSION AND PROPORTIONAL MEASURES TO RESPOND TO SUCH ACTIONS

Liliia Timofieieva

National University «Odesa Law Academy», Odesa, Ukraine

UKRAINE'S SOCIAL SECURITY IN THE CONTEXT OF OVERCOMING MILITARY SHOCKS

Tetiana Burlay, Viktoriia Blyzniuk

Institute for Economics and Forecasting of NAS of Ukraine, Kyiv, Ukraine

STUDYING HIGH SCHOOL STUDENTS ABROAD IN THE DIMENSIONS OF CIVIC AND CULTURAL IDENTITY

Natalia Hlebova, Natalia Falko, Lyudmila Afanasieva, Ernest Murtaziiev, Mykhailo Semikin

Bohdan Khmelnytsky Melitopol State Pedagogical University, Zaporizhzhia, Ukraine

RADIOECOLOGICAL MONITORING OF ATMOSPHERIC AIR DURING MILITARY OPERATIONS

Kostiantyn Grygoriev, Anna Aleksieieva, Liudmyla Grygorieva

Petro Mohyla Black Sea National University, Mykolaiv, Ukraine

**POSTER SECTION: RUSSIAN INVASION OF UKRAINE
AS A THREAT TO EUROPEAN SUSTAINABILITY**

RUSSIAN AGGRESSION AND EXISTENTIAL CHALLENGES OF THE MODERN WORLD:
UKRAINIAN CONTEXT

Andrii Minosian, Oleksiy Varypaev

State Biotechnological University, Kharkiv, Ukraine

ENVIRONMENTAL CONSEQUENCES OF SOIL POLLUTION IN WAR ZONES IN UKRAINE

Olha Tertychna, Valeriy Pinchuk, Yuriy Podoba

Institute of Agroecology and Nature Management of the National Academy of Sciences, Kyiv, Ukraine

USE OF POLYMER-BASED NANOMATERIALS FOR ENVIRONMENTAL RESTORATION

Nadiia Hayuk, Oleksii Mykhailenko, Oleksandra Selezniova, Svitlana Tsekhmistrenko

Bila Tserkva National Agrarian University, Bila Tserkva, Ukraine

EUROPEAN SUPPORT UKRAINE FACILITY: PROBLEMS AND CHALLENGES

Yuriy Ivanov, Vlada Karpova, Olena Revenko

Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine

STATISTICS OF WAR-INDUCED MIGRATION FROM UKRAINE TO EUROPE:
SUSTAINABILITY ASPECTS

Ruslana Zadorozhna¹, Tetiana Stepanova²

¹*Bila Tserkva National Agrarian University, Bila Tserkva, Ukraine*

²*Sumy National Agrarian University, Sumy, Ukraine*

FINAL DISCUSSION
16:30 - 17:00 (Kyiv time)

CONTACTS OF THE ORGANIZING COMMITTEE:

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Secretary of the organizing committee: Oksana Skrotska, PhD