PROGRAMME

OF THE 6TH INTERNATIONAL CONGRESS

SUSTAINABLE DEVELOPMENT: ENVIRONMENTAL PROTECTION. ENERGY SAVING. SUSTAINABLE ENVIRONMENTAL MANAGEMENT

Lviv
23-25 September 2020
CONGRESS CHAIRMAN:
Oleh Matviykiv PhD, Associate Professor, First Vice-Rector of the Lviv Polytechnic National University, Ukraine

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CONGRESS SCHEDULE
September 23, Wednesday

Registration of participants:
https://forms.gle/Andhxt7ZrYPwZm6v6

Plenary Session
Join the Plenary Session

10\(^{00}\) - 10\(^{30}\)  Opening of the Congress
10\(^{30}\) - 10\(^{40}\)  Coffee-break
10\(^{40}\) - 12\(^{40}\)  Workshops
12\(^{40}\) - 12\(^{50}\)  Coffee-break
12\(^{50}\) - 14\(^{20}\)  Workshops

September 24, Thursday

10\(^{00}\) - 12\(^{00}\)  Workshops
12\(^{00}\) - 12\(^{10}\)  Coffee-break
12\(^{10}\) - 14\(^{10}\)  Workshops
14\(^{20}\) - 14\(^{30}\)  Coffee-break
14\(^{30}\) - 15\(^{30}\)  Workshops

September 25, Friday

10\(^{00}\) - 11\(^{00}\)  Poster session
Join the Poster session
11\(^{00}\) - 11\(^{30}\)  Closing of the Congress
Join the Closing of the Congress
1-WORKSHOP «ENVIRONMENTAL ASPECTS, BIODIVERSITY PRESERVATION, MONITORING, AUDIT, SYSTEM ANALYSIS AND RISK ASSESSMENT»

2-WORKSHOP «RENEWABLE AND NONTRADITIONAL ENERGY SOURCES»

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Workshop leaders: Yu. G. Masikeyvych, PhD, Professor
V. M. Shandiy, PhD, Professor
Ya. M. Gumnytskyy, PhD, Professor

Workshop secretary: O. V. Lyuta, PhD, Associate Professor

September 23, Wednesday

10^{40} - 10^{55} Stepova O.V., Ganoshenko O.M. «Modeling the risks of safe operation of oil pipelines»

10^{55} - 11^{10} Ratushnyak M.M. «Improving the system of utilization of solid household waste on the territory of Ukraine, on the example of the city of Chortkiv, Ternopil oblast»

11^{10} - 11^{25} Dychko A.O., Remez N.S. «Methods of fuzzy sets in simulation of unobserved states of the environment»

11^{25} - 11^{40} Olifir Yu.M., Gabryel A.Y., Partyka T.V., Gavryshko O.S. «Degradation processes in agrobiocenoses of light gray forest soils under conditions of prolonged anthropogenic impact»

11^{40} - 11^{55} Petrushka I.M. «Prediction of the environmental risk of spent batteries on the environment»

11^{55} - 12^{10} Savytskyi M., Babenko M., Spyrydonenkov V. «Ukrainian national eco-certification system of the buildings»

12^{10} - 12^{25} Shmandiy V.M. «Processing of agro-industrial waste with the receipt of adsorbents for wastewater treatment»

12^{25} - 12^{40} Dunayevska N.I. «Introduction of technologies for replacing fossil fuels in the energy sector with solid biomass (technical and legal solutions)»
Coffee-break

12:40 - 12:50
Chernyak L.M., Mikheev O.M., Madzhd S.M., Lapan O.V., Dmytrukha T.I., Petrusenko V.P. «Scientific bases of generalization of the qualitative assessment of the ecological state of soil contaminated with oil products»

13:05 - 13:20
Vasyutynska K.A. «Ecological urbanization as a factor of emergencies in the regions of Ukraine»

13:20 - 13:35
Gavryshko M.I. «Environmental aspects of alcohol industry enterprises at the present stage of development»

13:35 - 13:50
Yurchenko Ye.L. «Analysis of parameters of the environmental impact of construction by assessing the carbon footprint of buildings»

13:50 - 14:05
Dychko A.O. «Methods of fuzzy sets in simulation of unobserved states of the environment»

14:05 - 14:20
Nosyk A. «On the issue of the current state of bioenergy development in Ukraine»

14:20 - 14:50
Discussion
September 24, Thursday

1000 - 1015 Kuzyk M.P. «Use of solar PV / T devices in a building with a Trombe-Michel wall»
1015 - 1030 Lytvynenko V. «Modelling of wastewater biochemical treatment from hexamethylene diamine»
1030 - 1045 Kuzyk M.P., Lys S.S. «Optimization of the angles of inclination to the horizon of flat solar energy panels on the territory of Ukraine»
1045 - 1100 Bezsonov Ye.M. «Energy niche of species as a comprehensive criterion for assessing the ecological safety of aquatic ecosystems»
1100 - 1115 Danylyuk O.S. «Landscape planning organization of residential complexes within the coastal protective zones in the city of Kyiv»
1115 - 1130 Masikeych A.Yu. «A systematic approach to reducing the hazard level of mountain ecosystems of the Eastern Carpathians»
1130 - 1145 Storoshchuk U.Z. «Relevance of sorting solid household waste and their separate collection»
1145 - 1200 Milinovsky G.P. «Compact device for monitoring aerosol air pollution»
1200 - 1210 Coffee-break

1210 - 1225 Hlukhaniuk A., Chyzhovych R., Kuzminchuk T., Ivashchuk O., Semenyshyn Ye. «Evaluation of solvent polar properties influence on the efficiency of extraction in the process of obtaining raw materials for alternative fuel production»
1225 - 1240 Nazarevych L.Ye. «Seismic hazard of territories in conditions of mining (on the example of the Western region of Ukraine)»
1240 - 1255 Pryshliak N.V. «Development of bioenergy as a component of ensuring energy security of Ukraine»
1255 - 1310 Tokarchuk D.M. «Concept of biomass and its energy potential»
1310 - 1325 Tkachenko T.M., Tkachenko O.A., Voloshkina O.S. «Prospects for the design of small architectural forms using alternative energy sources»
1325 - 1340 Soroka M. "Use of sensory IOT-technologies for the purposes of air quality monitoring"
1340 - 1355 Palamarenko Ya.V. «Ensuring energy autonomy of agricultural enterprises based on biomass»
Novikova Yu.I. «Complexes of insects of invasive plant species on the territory of the Belarussian Lakeland»

Khirivskyy R.P. «Features of the implementation of natural resource potential of the united territorial communities of Ukraine in the context of implementation of the reform of local self-government»

Milinevsky G. «Extended air pullution airvisual monitoring network in Kyiv city»

**DISCUSSION**
3-WORKSHOP «INNOVATIVE NATURE PROTECTION TECHNOLOGIES. TECHNOLOGIES FOR EFFICIENCY INCREASE FROM USING MATERIALS, WATER AND ENERGY. ECO-INOVATIONS IN ARCHITECTURE»

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Workshop leaders:  
H. V. Sakalova, PhD, Professor  
V. D. Pohrebennyk, PhD, Professor  
V. V. Dyachok, PhD, Professor  

Workshop secretary  
A. O. Marakovsky, engineer

September 23, Wednesday

10^{40} - 10^{55} Ablieieva I.Y. «Bioremediation of oil-contaminated soils using anaerobic digestate»  
10^{55} - 11^{10} Tuzyak V.Ye. «Industrial waste recovery – sustainable development and ecological safety of the environment»  
11^{10} - 11^{25} Kaspruk V.B., Balaban S.M. «Improving the environmental situation in the production of dry building mixtures»  
11^{25} - 11^{40} Velychko S.V. «Assessment of the possibility of extending life of sludge fields by building dams»  
11^{40} - 11^{55} Kushnir O. V. «Improving the quality of asphalt concrete pavement based on the use of polymer waste»  
11^{55} - 12^{10} Zablodskyy M.M., Kovalchuk S.I., Spodoba M.O. «Innovative system for processing poultry by-products with the influence of an electromagnetic field and autonomous energy supply»  
12^{10} - 12^{25} Slyuzar A.V., Kalymon Ya.A. «Purification of fuel gases from hydrogen sulfide by the quinhydrion method in two stages»  
12^{25} - 12^{40} Tsapko Yu., Bondarenko O., Mazurchuk S., Marchenko N., Buys’kykh N. «Identification of typical variety-formating wood defects»
Coffee-break

12^{50} - 12^{50} Povzun O.I. «Silicate material based on waste from mining and processing plants of Kryvbas»

12^{50} - 13^{05} Oliferchuk V.P. «Bioregulation of disturbed soil ecosystems»

13^{05} - 13^{20} Skrypchuk P.M. «IT solutions for the processing of regenerative biomass»

13^{20} - 13^{35} Vakal S. «Ecological and economic fundamentals of novel types capsulated fertilizers development»

13^{35} - 13^{50} Antonenko N., Rumilets T., Bakhtin D. «Healthy environment as one of the key performance indicators of library space»

13^{50} - 14^{05} Mokryy V., Moroz O., Petrushka I., Kazymyra I., Grechanyk R. «Adaptive planting for restoring the biodiversity of technogenic landscapes»

14^{05} - 14^{20} Mokryy V., Petrushka I., Kazymyra I., Grechanyk R., Schultheiss J., Reiss M. «Strategies of forest adaptation to climate change»

14^{20} - 14^{35} DISCUSSION
Oliynyk Yu.O. «Investigation of the efficiency of electric pulse plant for the treatment of manure runoff from pig farms»

Mandryk S.T. «Influence of phosphorus oxide on the dynamics of carbon dioxide absorption by chlorophyll-synthesized microalgae in the presence of sulfur dioxide»

Sakalova G.V., Vasylinych T.M. «Method of utilization of bentonite»

Khomyn Ya.Ye. «Impact of climate changes and global warming trends in architecture»

Sabadash V.V. «Use of natural zeolites to obtain Polylactide»

Pohrebennyk V., Bejanidze I., Kharebava T., Didmanidze N., Davitadze N., Petrov O. «Electrical conductivity of ion-exchange membranes in solutions of simple electrolytes»

Tsvilynyuk O.M., Telehiy L.V. «Use of salicylic acid in the cultivation of Beta vulgaris L. plants in the context of sustainable agricultural production»

Protsenko S.B., Kizeev M.D., Novitska O.S. "Analysis of methods for determining the initial data in the calculation and design of sewage treatment plants"

DISCUSSION
4-WORKSHOP «EDUCATION AND REARING FOR SUSTAINABLE DEVELOPMENT»

5-WORKSHOP «ECONOMIC-MANAGEMENT SUPPORT FOR CONSTRUCTION, IMPLEMENTATION AND COMMERCIALIZING OF ECO-INNOVATIONS IN THE SYSTEM OF SUSTAINABLE DEVELOPMENT»

6-WORKSHOP «DEVELOPMENT OF ENVIRONMENTAL TOURISM IN SUSTAINABLE DEVELOPMENT ASPECT»

7-WORKSHOP «CIVIL SAFETY IN THE ASPECT OF SUSTAINABLE DEVELOPMENT»

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Workshop leaders: O. P. Mitryasova, PhD, Professor
A. A. Terebukh, PhD, Professor

Workshop secretary: M. I. Senkiv, PhD, Lecturer

September 23, Wednesday

10^{40} - 10^{55}  Mitryasova O.P. «European measurements of water security in the practice of implementing education for sustainable development»

10^{55} - 11^{10}  Paranyak N.M., Datsko O.S., Vytrykush N.M., Romaniv A.S. «Assessment of technogenic and natural risks in the context of sustainable development»

11^{10} - 11^{25}  Paranyak N.M., Datsko O.S., Vytrykush N.M., Romaniv A.S. «New challenges to sustainable development in a pandemic»

11^{25} - 11^{40}  Kostyuchko V.M. «Features of the organization of ecological travel (on the example of Central Gorgany)»

11^{40} - 11^{55}  Kректun B.V., Zhylishchych Yu.V., Kректun N.M. «Socioecological aspects of modernization of the environmental management system»

11^{55} - 12^{10}  Mamchur Z.I. «Education for sustainable development in the training of biologists and ecologists»
Dutsyak I.Z. «Safe technologies in tourism in the context of a pandemic»

Deyneko N.V. «Improving the management system of the transition zone from a dangerous event to an emergency situation»

Coffee-break

Schultheiß J., Senkiv M. «Digital cultural landscapes – new opportunities and values for Ukrainian landscape development»

Terebukh A.A. «Parameters of sustainable development of tourism»

Moroz L.I. «Quantifying the economic damage from coronavirus infection diseases»

Yatsyshyn T. «Innovative waste processing technologies»

DISCUSSION
POSTER SESSION

1. Bugaieva L.M., Beznosyk Yu.O., Vilboi M.O. «Selection of flue gas cleaning methods using intelligent approaches»
2. Voloshkina O.S., Telyma S.V. «Available water supply as a major factor of the urban territories stable development»
3. Matsala M. «Mapping natural forests on the abandoned farmlands within Chernobyl Exclusion Zone»
4. Kryvenko O.G. «Study of spontaneous flora for greening roofs in the urban ecosystem of Kyiv»
5. Teodorovych L., Zenkevych A. «Green Ways» as an important direction for the development of sustainable tourism in border areas
6. Teodorovych L.V., Khodyko T.F. «Importance of developing ecotourism in small island countries»
7. Teodorovych L.V., Shevchuk A.S. «National natural parks as destinations for ecological tourism in Ukraine»
9. Dzhumelya E.A., Pogrebennyk V.D. «Functioning of the environmental monitoring system of zone of influence of the mining and chemical enterprise during post-liquidation period»
10. Tiron-Vorobyova N.B., Danylyan A.G., Maslov I.Z., Romanovska O.R. «Electric corona discharge for disinfection and purification of ballast water in accordance with the international requirements of the D-2 IMO standard»
11. Lukyanchuk N. G. «Problems of parks in Lviv associated with regional climate changes»
12. Lukyanchuk N. G., Plypychuk A. M. «Impact of «Enzym» Company on the state of natural plantations in Vynnyky forest park»
13. Lukyanchuk N.G., Stadnyk A.V. «Determination of the level of noise pollution from the railway within the city of Lviv»
14. Vronska N., Kostetska N. Popovych O., Yatchyshyn Yu. «Monitoring the impact of the «Goodvalley» enterprise»
17. Soroka M., Bočková S., Bohovic R., Hrnčiar M., Muroň M. Skalský M., Filippovová P. «The space satellite spectroscopy for assess Nitrogen Dioxide air pollution in Ukraine»
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