

AGENDA

of the training activities at Dnipro University of Technology (DUT) on-line via distance platform Zoom in the frame of Educational Project “**EcoMining: Development of Integrated PhD Program for Sustainable Mining & Environmental Activities**”
05 – 09.10.2020

05.10.2020, Monday

Venue: DUT, Department of Ecology and Environmental Technologies, 10/710		
10.00	Welcome introduction to the Project Lecture: “ Plant–Soil Interactions for Phytotechnologies ”	Prof. Dr. Hermann HEILMEIER , TU Bergakademie Freiberg (TU BAF), Germany
10.40 – 11.00	Questions and discussion	Moderator: Prof. Dr. Oleksandr KOVROV , DUT, Ukraine
11.00 – 12.20	Consultative work with PhD students on the topic: “ Phytoremediation of Disturbed Lands ” Discussion, on-line participants	Moderator: Dr. Iryna KLIMKINA , DUT, Ukraine Presenter: Serhii KRASOVSKYI , PhD student, DUT, Ukraine
12.20 – 13.30 Break		
13.30 – 16.00	Practical training on-line on the topic: “ GIS-Technologies and Remote Sensing for Environmental Assessment ” Field trip video Discussion, on-line participants	Moderators: Dr. Yurii BUCHAVYI , DUT, Ukraine, and Dr. Viktoriia LOVYNSKA , DSAEU, Ukraine Presenter: Mykhailo SVIDENIUK , PhD student, State Institution “Scientific Centre for Aerospace Research of the Earth”, Institute of Geological Science of the National Academy of Science of Ukraine, Kyiv, Ukraine

06.10.2020, Tuesday

Venue: DUT, Department of Ecology and Environmental Technologies, 10/710		
10.00	Lecture: “ Suitability of Second Generation Biofuel Grasses for Post-Mining Land Remediation and Phytomining ”	Prof. Dr. Mykola KHARYTONOV , Dnipro State Agrarian and Economic University (DSAEU), Ukraine
10.40 – 11.00	Questions and discussion	Moderator: Prof. Dr. Oleksandr KOVROV , DUT, Ukraine
11.00 – 12.20	Practical training on-line on the topic: “ Some Methods of Field Geobotanical Research Used to Assess the State of Disturbed Lands ” Field trip video	Dr. Nadiia MARTYNOVA , Botanical Garden of Oles Honchar Dnipro National University (DNU)
12.20 – 13.30 Break		
13.30 – 16.00	Consultative work with PhD students on the topic: “ Breeding and Cultivation of a Hybrid of Sugar and Broom Sorghum on Marginal Lands for the Production of Solid Biofuel ” Field trip video Discussion, on-line participants	Moderators: Prof. Dr. Mykola KHARYTONOV , Dr. Nadiia MARTYNOVA Presenter: Maksim NOSOV , PhD student, DSAEU / Institute of Grain Crops UAAS, Ukraine

07.10.2020, Wednesday

Venue: DUT, Department of Ecology and Environmental Technologies, 10/710		
10.00	Lecture: " Responsible Mining: Case Studies "	Prof. Dr. Carsten DREBENSTEDT , TU BAF, Germany
10.40 – 11.00	Questions and discussion	Moderator: Prof. Dr. Oleksandr KOVROV , DUT, Ukraine
11.00 – 12.20	Consultative work with PhD students on the topic: " Responsible Mining " Discussion, on-line participants	Moderator: Dr. Oleksii LOZHNIKOV , DUT, Ukraine Presenter: Vladyslav KARDASH , PhD student, DUT
12.20 – 13.30 Break		
13.30 – 15.00	On-line meeting on the topic: " Sustainable Mining: European and Ukrainian Experience " Alumni of the double Ukrainian and German Master Programs; Former participants of the Biomining Project; Present employees of the German Industry	Speakers: M.Sc. Danylo LYSENKO , Junior Mine Planning Engineer by MIBRAG mbH (Mitteldeutsche Braunkohlengesellschaft mbH), and M.Sc. Yeugen CHEBLIA , werkstudent, abteilung PM (Project management), Schaeffler Group

08.10.2020, Thursday

Venue: DUT, Department of Ecology and Environmental Technologies, 10/710		
10.00	Lecture: " Application of the Environmental Monitoring System in the Industrialised Regions with Mining Activity "	Dr. Pavlo KHAZAN , Member of Dnipropetrovsk Regional Council, Environment & Energy Committee
10.40 – 11.00	Questions and discussion	Moderator: Dr. Iryna KLIMKINA , DUT, Ukraine
11.00 – 12.00	Lecture: " Phytotechnologies for Mining Applied in Ukraine "	Prof. Dr. Oleksandr KOVROV , DUT, Ukraine
12.00 – 12.20	Questions and discussion	Moderator: Dr. Iryna KLIMKINA , DUT, Ukraine
12.20 – 13.30 Break		
13.30 – 16.00	Consultative work with PhD students on the topic: " Environment and Sustainability " Discussion, on-line participants	Moderator: Prof. Dr. Oleksandr KOVROV , DUT, Ukraine Presenter: Kyrylo ZVORYHIN , PhD student DUT, Ukraine

09.10.2020, Friday**Workshop: "Case-studies and advanced research in the field of sustainable mining"**

Venue: DUT, Department of Ecology and Environmental Technologies, 10/710		
10.00 – 10.20	Welcoming greetings: Consul of German Embassy DAAD representative in Dnipro Vice Rector DUT on International Affairs	Stefan KEIL , Consul General, German Consulate General in Dnipro Susanne BANDAUI , DAAD Lector Prof. Dr. Oleksandr SHASHENKO
10.20 – 11.00	Lecture: " Tailing management facilities and their safety "	Dr. Oleksandra LOHUNOVA , Head of "Sustainable Development Platform" NGO, Consultant to the UNECE Industrial Accidents Convention, Intern of the International Commission for the Protection of the Danube River, Austria

11.00 – 11.20	Questions and discussion	Moderator: Prof. Dr. Oleksandr KOVROV , DUT, Ukraine
11.20 – 12.20	Discussion: “ How to design an experiment and poster? ”	Moderator: Prof. Dr. Hermann HEILMEIER , TU BAF, Germany
12.20 – 13.30 Break		
13.30	P.1. Environmental and Social interaction: Case Study	Serhii KRASOVSKYI , PhD student, DUT, Ukraine
13.45	P.2. Features of sulfur content and its changes in coal seams of the Lviv-Volyn basin	Sofiia MOSKALENKO , PhD student, DUT, Dep. of Geology and Mineral Prospecting
14.00	P.3. Phytostabilization and Herbicide-Free Weed Control on Railways	Alla SAMARSKA , PhD student, Academician V. Lazarian Dnipro National University of Railway Transport
14.15	P.4. Tree Canope Affects Soil Macrofauna Spatial Patterns on Broad and Mesoscale Levels in Eastern European Poplar-Willow Forest	Yuliia ZHUKOVA , PhD student, Oles Honchar Dnipro National University
14.30	P.5. Development of ceramic materials for the manufacture of bricks with stone cutting sludge from granite	Volodymyr SHAMRAI , PhD student, Zhytomyr Polytechnic State University, Ukraine
14.45	P.6. Spatial Organization of <i>Vallonia pulchella</i> (Muller 1774) in Ecological Niche in Pedozems of Nikopol Manganese Ore Basin	Ava Umerova , PhD student Bohdan Khmelnytskyi Melitopol State Pedagogical University, Melitopol, Ukraine
15.00	P.7. Laser-Induced Fluorescence Spectroscopy for rare Earth Elements Detection in Plants	Mykhailo SVIDENIUK , PhD student, Institute of Geological Science of the NASU, Kyiv, Ukraine
15.15 – 15.30 Break		
15.30	P.8. Influence of Physical and Chemical Properties in the Zone of Pre-Karpat District of the Tourist and Recreational Complex of Lviv Region	Kateryna Korol , PhD student, Lviv State University of Life Safety, Lviv, Ukraine
15.45	P.9. Chemische Elemente in den Blättern von Bäumen aus den Zerstörten Gebieten der Region Kryvyj Rih	Yuliia Bielyk , PhD student, Oles Honchar DNU
16.00	P.10. Sweet Sorghum Cultivar Medove Growing in Phytomeliorated Rocks	Denys KHEILYK , Master student, DSAEU, Ukraine
16.15	P.11. Bottom Sediments as Local Geological Hazards. Estimation and Recourse Management	Maryna Huslysta , PhD student, DSAEU, Ukraine
16.30	P.12. Analyses the reasons and the consequence of dissemination Cladophora Siwaschensis Mejer to the coast of the Azov Sea	Vladyslav MULIN , Bachelor student, DUT, Ukraine
16.45	P.13. Kinetic and capacitive characteristics of natural sorption materials	Oleksandr VALIAEV , PhD student, Institute of Geotechnical Mechanics named by N. Poljakov of National Academy of Sciences of Ukraine, Dnipro, Ukraine
17.00 – 17.15	Final Competition Session for Best Poster; Certificates	Moderator: Prof. Dr. Hermann HEILMEIER , TU BAF, Germany
P.14.	Investigation of the <i>Ailanthus altissima</i> application for phytoremediation purposes	Zlata SUSHKO , Bachelor student, DUT, Ukraine
P.15.	Breeding and Cultivation of a Hybrid of Sugar and Broom Sorghum on Marginal Lands for the Production of Solid Biofuel	Maksim NOSOV , PhD student, DSAEU / Institute of Grain Crops UAAS, Ukraine
P.16.	Phytoremediation of Reclaimed Coal Dumps in Western Donbas	Serhii KRASOVSKYI , PhD student, DUT, Ukraine
P.17.	Justification of the Phytoremediation Technology for Slopes of Overburden Dumps by Composite Briquettes	Kyrylo ZVORYHIN , PhD student, DUT, Ukraine
P.18.	Environmental aspects of technological schemes improvement for overburden development with intra-quarry dumping in conditions of watered placer deposits	Vladyslav KARDASH , PhD student, DUT, Ukraine

P.19.	Evaluation of Energy-Ecological Efficiency of Innovative Technologies in City Boiler Rooms	Iryna MONIUK , PhD student, DUT, Ukraine
P.20.	Influence of Biochar and Potassium Humate on the Growth of PhytoIndicators Growing on Substrate from Reclaimed Coal Dumps in Western Donbass	Tetiana SOROKA , Master student, DUT, Ukraine
P.21.	Evolution of Antibiotics, their Impact on Human Genetics and State of the Environment	Dariia ROZCHUPKINA , Bachelor student, DUT Ukraine
P.22.	Evaluation of Enzyme Pool Activity in Reclaimed Minelands	Vladislav KOSTENKO , Master student, DSAEU, Ukraine
P.23.	Biotesting of Four Artificial Land Reclamation Profiles	Nataliia PRYSHEDKO , Master student, DSAEU, Ukraine
P.24.	The Stratigraphy of Artificial Construction of Minelands Reclamation Models	Olexandr GAVRYUSHENKO , Post Doct. DSAEU, Ukraine
P.25.	Environmental and Economic Evaluation of Land Reclamation	Olga TKALICH , Post Doct. DSAEU, Ukraine
P.26.	The Use of the <i>Parthenocíssus quinquefolia</i> in Biological Reclamation of Waste Rock Dumps	Oleksii STROHYI , Bachelor student DUT, Ukraine
P.27.	Using Plants of Sedum spp. in Biological Reclamation of Waste Rock Dumps	Oleksandr BOKHENKO , Bachelor student DUT, Ukraine
P.28.	Formation of an Electronic Municipal Register of Trees Using GIS	Mykyta SHKARIN , Master student, DUT, Ukraine
P.29.	GIS and Remote Sensing for Environmental Monitoring on Territories with Mining Activities	Pavlo LOMAZOV , Master student, DUT, Ukraine
P.30.	Synthesis and adsorption of magnetic biochar as an adsorbent for Cr (III) cations removal from aqueous solutions	Mariia CHERKASOVA , Master student, Ukrainian State University of Chemical Technology, Dnipro, Ukraine
P.31.	Investigation of the process of wastewater treatment from heavy metals by slag sorbent	Prybieha MYKYTA , Master student, USUCT, Dnipro, Ukraine
P.32.	Experimantal Evaluation of Thermal Conductivity of Water Heaters of Rresidential Buildings	Valerii SHMELOVA , Bachelor student DUT, Ukraine
P.33.	Research influence motor transport on ecological state population centers	Alevtina Mulina , PhD student DUT, Ukraine
On-line participants without poster	Alevtina MULINA , PhD student, DUT Tetiana LAMPIKA , PhD student, DUT Kostiantyn LIASOV , PhD student, DUT Vasyl LIPCHAK , PhD student, DUT Leontii ILCHISHEN , Bachelor student, DUT Sofiia LSKOVSKA , Bachelor student, DUT Melvice EPEDE , PhD student, TU BAF Amir BOUSTILA , PhD student, Badji Mokhtar University Annaba, Algeria Asma BELHACHEMI , PhD student, University Ibn Khaldoun Tiaret, Algeria Ing. Bernard OSEI-WUSU , PhD student, MBA. International Management of Resources and Environment TU BAF, Germany / Ghana	Nazia ZAFFAR , PhD student, TU BAF, Germany / Quaid-i-Azam University, Islamabad, Pakistan Azim Khan NIAZI , PhD student, TU BAF Youcef CHEIKHAOUI , PhD student, National School of Mines and Metallurgy of Annaba, Algeria Precious OKOROAFOR , PhD student Institute of Biosciences/ Interdisciplinary Environmental Research Centre, TU BAF Lillian MONEI , PhD student, Tallinn Univeristy of Technology/TU Bergakademie Freiberg Stanislav KOVALOV , PhD student, DSAEU / Institute of Grain Crops UAAS, Ukraine
Experts	Prof. Dr. Hermann HEILMEIER , TU BAF Prof. Dr. Carsten DREBENSTEDT , TU BAF Prof. Dr. Michael SCHLOEMANN , TU BAF Dr. Oliver WICHE , TU BAF, Germany Prof. Dr. Borys SOBKO , DUT, Ukraine Prof. Dr. Vasyl POPOVYCH , Head of the Institute of Civil Protection, Lviv, Ukraine Prof. Dr. Mykola KHARYTONOV , DSAEU Prof. Dr. Oleksandr KOVROV , DUT, Ukraine Prof. Dr. Artem PAVLYCHENKO , DUT Prof. Dr. Valerii KOLESNIK , DUT, Ukraine Dr. Nadiia MARTYNOVA , Botanical Garden of Oles Honchar DNU, Ukraine Dr. Olena ONYSHCHENKO , Independent researcher, Germany	Dr. Pavlo KHAZAN , Member of Dnipropetrovsk Regional Council, Environment & Energy Committee Dr. Oleksandra LOHUNOVA , Head of "Sustainable Development Platform" NGO, Consultant to the UNECE Industrial Accidents Convention, Austria Dr. Liliya FROLOVA , USUCT, Dnipro Dr. Volodymyr KOZECHKO , DSAEU Dr. Oleksandr MYTSYK , DSAEU, Ukraine Prof. Dr. Yuriy TKALICH , DSAEU, Ukraine Dr. Serhii SHEVCHENKO , DSAEU Dr. Nataliia HONCHAR , DSAEU, Ukraine Dr. Anna HOTVIANSKA , DSAEU, Ukraine Dr. Yuriy RUDAKOV , DSAEU, Ukraine

	<p>Dr. Oleksii LOZHNIKOV, DUT, Ukraine Dr. Iryna KLIMKINA, DUT, Ukraine Dr. Yurii BUCHAVYI, DUT, Ukraine Dr. Viktoriia LOVYNSKA, DSAEU, Ukraine</p>	<p>M.Sc. Danylo LYSENKO, Mitteldeutsche Braunkohlengesellschaft mbH, Germany M.Sc. Yeugen CHEBLIA, Schaeffler Group</p>
--	---	---