



10th International Youth Science Forum “Litteris et Artibus”

25-27 November 2021, Online.

If not otherwise stated, the forum live streaming will be on the official [Facebook page](#) and the [Forum website](#)

Please note that we use the Ukrainian time zone (Eastern European Time, UTC+2).
The program is subject to change.

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Forum Program

Thursday, Nov 25

10:00-10:15 - Official Forum Opening

10:15-13:00 - Plenary Session

- Gareth O'Neill (Technopolis Group) - The Future of Research Data
- Giulia Malaguarnera (OpenAIRE) - Opening up your research workflow
- Yuri Demchenko (University of Amsterdam) - FAIR data principles, Data Stewardship and beyond

- Yuliia Ovchynnykova (Ukrainian MP) - The Emerald Network
- Wojciech Wodo (Wrocław University of Science and Technology) - Cybersecurity challenges of contemporary digital world
- Vitalii Miroshnychenko (GlobalLogic) - AI for failure monitoring

13:00-14:00 - Lunch break

14:00-17:00 - Open Science Session

- Oleksandr Berezko (LPNU) - Presentation of the current state of Open Science in Ukraine and Ukraine's National Plan for Open Science
- **Panel Discussion on National Open Science Plan**
 - Grygoriy Mozolevych (Ministry of Education and Science of Ukraine)
 - Oksana Brui (Ukrainian Library Association)
 - Iryna Kuchma (EIFL)
 - Tetiana Yaroshenko (National University of Kyiv Mohyla Academy)
 - Pavlo Zhezhnych (LPNU, OPTIMA Project)
 - Gareth O'Neill (Technopolis Group)
 - Olesia Vashchuk (Young Scientists Council at the Ministry of Education and Science of Ukraine)
 - Oleksandr Berezko (LPNU, moderator)

Friday, Nov 26

11:00-13:00 - Parallel session 1 - Focus Session for Open Research Europe

Please note that this session will be live-streamed on [this website page](#) via YouTube.

Part 1: What is Open Peer Review?

- Michael Markie (F1000 Research). Introduction to Open Science and Open Peer Review.
- Oleksandr Berezko (LPNU/Eurodoc). Eurodoc Survey on Publishing in Open Science for ECRs.
- Discussion.

Part 2: Open Peer Review in Practice

- Kelly Woods (F1000 Research). Open Peer Review on ORE.
- Speaker TBA. Publishing in ORE - how the open peer review works.
- Discussion.

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10:00-18:00 - Parallel session 2

10:00-13:00 - Online Forum Sessions

Humanities and Social Sciences

- F.W.J. van Geelkerken. TORrific privacy protection?
- Tekle Kobakhidze. Anhedonia, Covid-19 stress and coping in Georgia
- Stefan Reichmann. Open Peer Review in Ukraine - A Scoping review into Prospects for Implementation
- Tamar Karaia, Salome Dundua. How the Political Opportunities Matter: Urban Social Movement in Georgia
- Lasha Matiashvili. Phenomenology of Affective Togetherness
- Ketino Shengelia. Georgian media tendencies in covering the issues of IDPs from Abkhazia
- Giorgi Jgharkava. Issues of the structure of proverbs of Kartvelian (South Caucasian) languages
- Mariana Senkiv, Viktoriia Tserklevych. Prerequisites of development of an accessible tourism for everyone in the European Union

Computer Science and Engineering

- Haci Mehmet Baskonus, Zulqurnain Sabir. Design of stochastic numerical procedures for the numerical treatment of the nonlinear terrorism system to examine the emigration and migration effects
- Mykola Khobzei, Mykhailo Apostolyuk, Kseniia Andriichuk, Yevheniia Derevesnikova. Demonstration of functionality of wire media unit cell of two types
- Khrystyna Zub. Application of support vector machine method for prediction HEI entrants` admission success
- Anton Toniavskiy, Anatoliy Ihnatovych. Hardware and software platform for hydroponic system control using reinforced learning methods
- Ruslan Hrybchuk, Anatoliy Ihnatovych. Non-planar 3D-printing research realization methods

13:00-14:00 - Lunch break

14:00-18:00 - Online Forum Sessions

Economics and Management

- Agnieszka Dziubińska, Katarzyna Kern. Development of adaptive competences of organization on the bases of the Balanced Score Card methodology. Example of enterprise from the energy sector
- Alper Ateş, Mehmet Şahin, Halil Sunar. Digitalization Activities in Turkish Food and Beverage Sector during COVID-19 Pandemic
- Mehmet Şahin, Alper Ateş, Halil Sunar. Managerial changes with COVID-19 in tourism businesses
- Levani Kikilashvili. Development of Green technology-based business in Georgia Greenhouses

- Lidiia Bondarenko. Practical efficiency of using capital buffers to stabilize economic crisis during the covid-19 pandemic

Biotechnology, Ecology, and Sustainable Development

- Jörn Schultheiß, Mariana Senkiv, Martin Reiss. Digitizing cultural landscapes - a contribution for a sustainable landscape development
- Ali Hamidian. Biodiversity Management using Indigenous Ecological Knowledge, a Case Study from Central Iran
- Katsiaryna Hancharova, Anatoly Batyan, Pavel Demeshko. Distribution by gender and age of patients who treated according to the radical program of head and neck cancer stages I-III of the Brest Regional Oncological Dispensary for the period 2016-2018
- Amir Hajjali, Iryna Koval. Harmful Effects of Heavy Metals Existing in Industrial Wastewater and the Necessity of their Removal in the Treatment Process
- Myroslava Polutrenko. Manufacture of craft paper from vegetable raw materials
- Natalia Pryshliak. Biofuel production as a component of ensuring energy security of Ukraine
- Oksana Shcherbak, Oksana Lyzohub. Prospects of application of artificial fertilization for obtaining pig embryos in vitro
- Elvira Dzhumelia, Vladyslav Dzhumelia. Influence of Industrial Waste Storages on Indicators of Fishery Purpose Water Quality in Mining and Chemical Enterprises Zone
- Ilona, Petenko. Candida utilis - promising producers of feed protein.
- Daria Oshytok, Viktoriya Havryliak. Effects of ribosome structural proteins on the accuracy of translation and prospects for applications of their functions in biotechnology and genetic engineering
- Kateryna Hutsko, Romana Petrina. Investigation of the influence of growth regulators on the growth of callus biomass *Carlina acaulis*

Saturday, Nov 27

10:00-13:00 - Session 3

10:00-13:00 - Online Forum Sessions

Geodesy, Architecture, and Construction

- Maryna Babenko, Igor Medved`, Tamas Csoknyai. Life cycle assessment of triple zero building of straw-based materials
- Giorgi Mindiashvili. Multispectral and Hyperspectral Remote Sensing Data for Mineral Exploration. Case of study of Okriba Ore occurrence, Georgia.
- Giorgi Mindiashvili. New data about Garta ore deposit. Georgia.
- Volodymyr Verba, Alaa Abdalah, Fatima-Ezzahrae Oubuih. An experimental study of beams made of autoclaved aerated concrete masonry units
- Stepan Havryliak, Bogdan Demchyna, Mykhailo Surmai, Leonid Vozniuk. Analysis of the use of 3D printing technologies in the construction industry
- Stepan Havryliak, Bogdan Demchyna, Mykhailo Surmai. Use of 3D technologies in the field of construction

- Roman Tytarenko, Roman Khmil. Concept to evaluate the non-failure of strengthened RC columns

Chemistry and Chemical Technology

- Vladimir Tarasevich, Siyamak Shahab, Denis Martsinkevich. Quantum-chemical calculation and biological activity of chalcone derivatives
- Liubov Poliuzhyn, Ruslana Kosiv. Influence of the yeast rate on the content of taste and aromatic substances in beer
- Iryna Koval, Alina Constantin. The gases nature effect on the water disinfection process from bacilli
- Oksana Orobchuk. Improving the technology of kvass
- Stepan Kolobych, Ihor Poliuzhyn. Gas-Liquid Chromatography Retention Indices: Application, Databases, Prediction from Analyte Structure
- Olena Nikitchuk, Anastasiia Kucherenko. Activation of the polymer surface with finely dispersed zinc
- Anastasiia Dmytriv, Veronika Chervetsova. Creation of symbiotic leaven based on *Lactobacillus reuteri*
- Roman Subtelnyi, Sofiia Subtelna, Yevhenii Zhuravskiyi. A statistical analysis and multiple linear regression of fraction c9 oligomerization initiated by N-tert-butylperoxymethylene-N, N-dimethylamine

13:00-14:00 - Lunch break

14:00-15:00 - Official Forum Closing