



Polish-Ukrainian scientific and research seminar
«EDUCATIONAL CHALLENGES AND RESEARCH
- INTERDISCIPLINARY CONTEXT»
organized on December 15, 2021

by

**Institute of Environmental Engineering and Biotechnology, Faculty of Natural
Sciences and Technology, University of Opole**
and

Institute of Gifted Child, National Academy of Educational Sciences of Ukraine.

The event will be organized in an online format on the dedicated Google Meet platform on
December 15, 2021 (11:30 - 15:30) <https://meet.google.com/wcw-cwkb-qew>

The seminar is aimed at students, doctoral students, young scientists, research and teaching
staff.

The seminar will be held in English and Polish.

Organizers:

Agnieszka Dolhańczuk-Śródka, dr hab., prof. UO, Director, Institute of Environmental
Engineering and Biotechnology, University of Opole

Maksym Halchenko, dr, Institute of Gifted Child, National Academy of Educational
Sciences of Ukraine

Vasyl Dunets, dr, Head of the Department of Educational Programs, National Centre
“Junior Academy of Sciences of Ukraine”, Opole University Ambassador

Dariusz Suszanowicz, dr inż., Dean, The Faculty of Natural Sciences and Technology,
University of Opole

Iryna Slipukhina, dr hab., prof. Institute of Gifted Child, National Academy of Educational Sciences of Ukraine

Fabian Andruszkiewicz, dr hab., inż., Institute of Pedagogical Sciences, University of Opole

Yevhenii Shapovalov, dr, Chief Specialist of Department of Register's System Development, Ministry of Digital Transformation

Danuta Kulik- Grzybek, mgr, doctoral student at the University of Silesia in Katowice

Viktor Shapovalov, mgr, doctoral student National Centre "Junior Academy of Sciences of Ukraine"

DESCRIPTION OF ACTIVITIES

1. Opening the seminar and welcoming the guests.
2. The speech of the UO Ambassador.
3. Presentation of the institutions participating in the event.
4. Speakers' presentations.
5. Discussion
6. Summary of the seminar: outlining the goals of further cooperation.

DETAILED PROGRAM

11.30

1. Opening of the seminar and welcoming the guests.

2. The speech of the UO Ambassador.

Dr Vasyl Dunets's speech about "Polish-Ukrainian cooperation in educational programs: new directions".

3. Presentation of the institutions participating in the event.

- Presentation of basic information about education at the University of Opole, with particular emphasis on the presentation of education at the Faculty of Natural Sciences and

Technology of the University of Opole (**dr hab., prof Agnieszka Dołhańczuk-Śródka, dr inż Dariusz Suszanowicz**).

- Presentation of basic information on scientific research conducted at the Institute for Gifted Children of the National Academy of Pedagogical Sciences of Ukraine (**Dr. Maxim Halchenko**) and practical activities of the National Centre "Junior Academy of Sciences of Ukraine" (**Dr Yevhenii Shapovalov**), "STEM Laboratory MANLab" (**Prof. Iryna Slipukhina, Dr Ihor Chernetkiy**).

12.15

4. Speakers' presentations (5-10 min per person).

1. **Mariia Dovha:** *Creativity trainings as a tool for enhancing creativity*
2. **Milena Milenina:** *Correlation of social parameters and individual indicators of intelligence*
3. **Maryna Novohorodska:** *Prevention and correction of addiction of gifted adolescents from the virtual*
4. **Natalie Lopadchak-Eksi** *Exploring the Impact of Interdisciplinary School Project: Success Case Study Analysis*
5. **Inna Yaroshenko** *The development of musical abilities of preschool age children*
6. **Iryna Shevchenko** *Propaedeutic of scientific speech of junior schoolchildren in research activities in the system of the Junior Academy of Sciences of Ukraine*
7. **Yaroslav Savchenko** *The interactive museum of science as a means of self-determination and motivation of gifted children for future scientific activity*
8. **Yevhenii Shapovalov** *State of biogas production industry in European scale and ways of increasing the efficiency of the anaerobic treatment to improve the spreading*
9. **Sergey Zhadan** *Ammonia production method for carbon-free energy*
10. **Serhii Lyashenko, Oleksandr Horbenko, Anton Kelemesh, Oleksandr Sivtsov, Antonina Kalinichenko:** *Substantiation of technology of utilization of wood biomass*

11. **Danuta Kulik- Grzybek:** *Environmental, social and economic aspects of education for Sustainable Development*
12. **Magdalena Piechaczek-Wereszczyńska:** *Biotechnology around us and its application in environmental protection*
13. **Fabian Andruszkiewicz:** *The vocational education of teachers facing the educational challenges of a multicultural environment*

14.15

5. Discussion

15.00

6. Summary of the seminar: outlining the goals of further cooperation.

Defining directions and goals for further interdisciplinary cooperation in the field of mutual publications and scientific projects.