



## INTERNATIONAL SOPOT YOUTH CONFERENCE Entitled: WHERE THE WORLD IS HEADING

**10 June 2022**

### Agenda

- 9:00** Conference start
- 9:00 – 9:10** Welcome by *Jan Marcin Weslawski*, Institute of Oceanology Polish Academy of Sciences Director and *Tymon Zielinski*, IO PAN, Sopot Science Association Chair
- 9:10 – 9:45** Communicating Science - Who? Me???  
*Joachim Dengg, GEOMAR*
- 9:45 – 10:00** Break
- 10:00 – 11:15** Session 1  
*Session Chair: Aleksandra Koroza, Institute of Oceanology Polish Academy of Sciences*
- 10:00 – 10:15** **Aleksandra Zalewska, University of Gdansk**  
Morphological, genomic and phylogenetic characterization of two *Pseudomonas aeruginosa* bacteriophages belonging to Litunavirus genus
- 10:15 – 10:30** **Kamila Styrz-Olesiak, University of Gdansk**  
Seasonal changes in structure and functionality of benthic communities in the coastal zone of the Puck Bay
- 10:30 – 10:45** **Michał Gintowt, Institute of Oceanology Polish Academy of Sciences**  
The coastal zone of the Gulf of Gdansk 30 years later
- 10:45 – 11:00** **Aleksandra Łukasiak, University of Gdansk**  
The role of small RNAs molecules in the regulation of repression-antirepression system of  $\Phi 24B$  phage in *E. coli* bacteria
- 11:00 – 11:15** **Zuzanna Czenczek, University of Gdansk**  
Influence of non-native species on macrozoobenthic community structure – case of *Rangia cuneata* (Sowerby, 1832) in the Wisła Śmiała River
- 11:15 – 11:20** Coffee break



**11:20 – 12:15 Session 2**

*Session Chair: Grażyna Niedoszytko, NMFRI-Gdynia Aquarium*

**11:20 – 11:35 Rupam Dhani, School of Management Studies Techno India**

An empirical study on Critical Success Factors (CSF) of Indian social entrepreneurship considering community development, healthcare, and sustainable energy sectors

**11:35 – 11:50 Alejandra Consejo, University of Zaragoza**

Implementation of Sustainable Development Goals in a School of Engineering and Architecture

**11:50 – 12:05 Marta Górską, University of Wrocław**

Lifestyle and diet changes related to lockdowns - a comprehensive review

**12:05 – 12:20 Wiktoria Kujawa, University of Gdansk**

The meaning of stress coping strategies and decision-making styles in the study of procrastination

**12:20 – 12:25 Coffee break**

**12:25 – 13:10 Session 3**

*Session Chair: Luca Ferrero, University of Milano-Bicocca*

**12:25 – 12:40 Sultan Ahamad, Institute of Fluid-Flow Machinery Polish Academy of Sciences**  
A Sensing comparison of PZT and FBG sensors for applications in Structural Health Monitoring

**12:40 – 12:55 Damian Mindykowski, Institute of Fluid-Flow Machinery Polish Academy of Sciences**

Analysis of the elastic waves propagation in thin-walled structures

**12:55 – 13:10 Sara Sarbaz, Institute of Fluid-Flow Machinery Polish Academy of Sciences**

Reference free damage detection based on instantaneous base line using FBG sensors

**13:10 – 13:25 Lunch Break**

**13:25 – 13:35 Poster session summary (Posters will be available on Padlet from 9 June)**



**13:35 – 15:05 Session 4**

*Session Chair: Marta Wojewódka-Przybył, ING PAN/GeoPlanet & Michael Nones, MCAA Poland Chapter*

**13:35 – 13:50 Wirginia Hepert, University of Gdansk**

Aerosols PM10 and PM2.5; variability of concentration and air quality in Tri-city agglomeration throughout the years

**13:50– 14:05 Marcin J. Mieszczak, Institute of Geophysics Polish Academy of Sciences**

Challenges of dating old cratons: an example from the eoarchean isukasia terrane, Itsaq gneiss, SW Greenland

**14:05 – 14:20 Tanmay Keluskar, Institute of Geophysics Polish Academy of Sciences**

Importance of 3.3 Ga magmatism in the Saglek block, Labrador

**14:20 – 14:35 Motuma Shiferaw Regasa, Institute of Geophysics Polish Academy of Sciences**

Past and future land use/land cover changes in the Ethiopian Fincha basin

**14:35 – 14:50 Megersa Kebede Leta, University of Rostock**

Potential impacts of historical and future land use land cover changes on hydrological responses of Nashe watershed

**14:50 – 15:05 Piotr Klejment, Institute of Geophysics Polish Academy of Sciences**

Predicting a pattern of DEM modelled stick-slip events in faults using Machine Learning

**15:05 – 15:10 Coffee break**

**15:10 – 16:10 Session 5**

*Session Chair: Paulina Pakszys, Institute of Oceanology Polish Academy of Sciences*

**15:10– 15:25 Weronika Patuła, Institute of Oceanology Polish Academy of Sciences**

Halocline as an environmental barrier for animals. Variability of zooplankton community along the Kongsfjord (Svalbard Archipelago)

**15:25 – 15:40 Joanna Buch, University of Gdansk**

State of knowledge about the environmental pollution in South Shetland Island and Antarctic Peninsula

**15:40 – 15:55 Marta Majerska, Institute of Geophysics Polish Academy of Sciences**

Variability of hydrological regimes of non-glaciated polar catchment in a changing climate



**15:55 – 16:10 Dhanushka Devendra, Institute of Oceanology Polish Academy of Sciences**

The linkage between Atlantic Water intrusion and environmental changes in the northwestern Greenland Sea during the Late Glacial and Holocene

**16:10 – 16:30 Coffee break**

**16:30 – 17:30 Women and Girls in Science Panel**

*Session Chair: Tymon Zielinski*

**17:30– 17:40** Announcements of the winners

**17:40** Closing of the conference