



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

Institute of Oceanology Polish Academy of Sciences  
Powstancow Warszawy 55, Sopot

**11 June 2021**

### Agenda

- 9:00**                    **Conference start**
- 9:00 – 9:10**        **Welcome by *Jan Marcin Weslawski*, IO PAN Director and *Tymon Zielinski*, IO PAN, Sopot Science Association Chair**
- 9:10 – 9:40**        **Where the world is headed: The future is female.  
*Rebecca Daniel, The Marine Diaries***
- 9:40 – 10:00**      **Break**

#### Parallel Sessions I

- 10:00 – 11:00**    **Session 1a  
Session Chair: **Aleksandra Koroza****
- 10:00 – 10:15**    **COVID-19 Lockdown Impact on Columnar and Surface Aerosol Properties over South-Eastern Italy.  
*Valentina Catanzaro*, University of Salento**
- 10:15 – 10:30**    **Electrochemical DTT detection to assess the oxidativa potential of PM.  
*Maria Pia Romano*, University of Salento**
- 10:30 – 10:45**    **Fish gills as an inspiration to create new, effective catalytic carriers  
*Katarzyna Sinder*, PAN**
- 10:45 – 11:00**    **Have the green roofs an impact on the atmosphere?  
*Beatrice Sorrentino*, ENEA**



**10:00 – 11:00 Session 1b**  
**Session Chair: Natalia Szymbalska**

- 10:00 – 10:15** Late Quaternary Paleoceanography of the northeastern Indian Ocean: Implication for primary productivity and water mass changes.  
Dhanushka Devendra, PAN
- 10:15 – 10:30** Measured Heating Rate due to light-absorbing aerosols between mid-latitudes and the Arctic.  
Niccolò Lossi, University of Milano Bicocca
- 10:30 – 10:45** Gelatinous zooplankton distribution and diversity off the northeast Greenland coast.  
Karol Mazanowski, University of Gdansk
- 10:45 – 11:00** How can we model composition of plankton in the West Spitsbergen coastal waters in an era of intensified glacial melting?  
Marlena Szeligowska, PAN
- 11:00 – 11:10 Coffee break**

**Parallel Sessions II**

- 11:10 – 12:10 Session 2a**  
**Session Chair: Szymon Smolicki**
- 11:10 – 11:25** Interspecific competition modifies the main morpho-cyto-physiological traits of alien and native macroalgae of the genus *Caulerpa*.  
Sarah Caronni, University of Milano Bicocca
- 11:25 – 11:40** Impact of the hydrodynamic conditions on the recent diatom flora in the Puck Lagoon (southern Baltic Sea).  
Dominika Hetko, University of Gdansk
- 11:40 – 11:55** Fossilized plant remains as a source of knowledge about the history of meadow and pasture communities. The example from early medieval islands of the Lubusz land.  
Karolina Maciejewska, University of Gdansk
- 11:55 – 12:10** Mucilaginous blooms in deep gorgonian forests of Tavolara Punta Coda Cavallo Marine Protected Area: involved species determination and mortality assessments.  
Francesca Panizzuti, University of Gdansk



**11:10 – 12:10 Session 2b**

**Session Chair: Katarzyna Romancewicz**

**11:10 – 11:25** New Insights from the Structure and Biodiversity Seasonality of the Airborne Eukaryotic Community in PM10 Samples over South-Eastern Italy.

Fragola Mattia, University of Salento

**11:25 – 11:40** Phylogeography of *Gyrodactylus gasterostei* Gläser, 1974 (Platyhelminthes, Monogenea).

Mateusz Pikula, University of Gdansk

**11:40 – 11:55** Cloning, overproduction and purification of *Escherichia coli* RNA polymerase sigma factors.

Aleksandra Stodolna, University of Gdansk

**11:55 – 12:10** The role of sRNAs molecules in an antirepressor-mediated initiation of the phage lytic cycle.

Wojciech Wesolowski, University of Gdansk

**12:10 – 12:45 Lunch Break**

**Parallel Sessions III**

**12:45 – 13:45 Session 3a**

**Session Chair: Ahmad Reshad Jamalyar**

**12:45 – 13:00** In search for wisdom— reconnecting with literature as a life guidance for the young.

Nastaran Fadaei Heidari, Istanbul Aydin University

**13:00– 13:15** Marine mammals in the crowded marine traffic seas and oceans.

Aleksandra Koroza, PAN

**13:15 – 13:30** Effects of PVC-microplastics contaminated soil on two wild plant species.

Lara Qualigni, University of Milano-Bicocca

**13:30 – 13:45** Detection of microplastics in Maldivian coral reef invertebrates.

Clarissa Barbara Raguso, University of Milano Bicocca



**12:45 – 13:45 Session 3b**  
**Session Chair: Marta Konik**

**12:45 – 13:00** Indoor air quality assessment for the Cultural Heritage preservation.  
Alessandra Bigogno, University of Milano Bicocca

**13:00– 13:15** Physico-chemical characteristics of precipitation in the coastal zone of the Gulf of Gdańsk at the turn of 2019 and 2020.  
Joanna Buch, University of Gdansk

**13:15 – 13:30** Non-destructive testing of structures by means of elastic waves.  
Damian Mindykowski, Institute of Fluid-Flow Machinery Gdansk

**13:30 – 13:45** Contemporary transformation of post-pandemic city centers.  
 City of Gdynia as a case study.  
Sylwia Różańska, University of Gdansk

**13:45 – 14:00 Coffee break**

**Parallel Sessions IV**

**14:00 – 15:00 Session 4a**  
**Session Chair: Luca Ferrero**

**14:00 – 14:15** NG-Nitro-L-arginine Methyl Ester (L-NAME) as a potential drug for Sanfilippo disease.  
Julian Guzowski, University of Gdansk

**14:15– 14:30** The role of the CHIP/STUB1 pathway in mechanisms of neurodegeneration.  
Dominika Pankanin, International Centre for Cancer Vaccine Science

**14:30 – 14:45** The Importance of Being Earnest - a student-produced radio play Act I.  
Krystian Łukasik, Martyna Zdrojewska, Ateneum Gdansk



**14:00 – 15:00 Session 4b**

**Session Chair: Dorota Majewicz**

**14:00 – 14:15** "Spawning zones" in Atlantic cod otoliths: underutilized life history and maturity recorders?

Côme Denechaud, Institute of Marine Research Norway

**14:15– 14:30** Integrating a Human Rights-Based Approach into Economic Growth through the realization of the Right to Development. Inevitable conflict or a place for common ground?

Klaudia Szabelka, University of Glasgow

**14:30 – 14:45** Pharmaceuticals in the aquatic ecosystems.

Lilianna Sharma, PAN

**14:45 – 15:00** Benthic efflux of dissolved organic carbon (doc) and its bioavailability – what is returning from the Baltic sea sediments? Biogeochemical perspective.

Monika Lengier, PAN

**15:00 – 15:10** Break

**15:10 – 15:30** Poster session summary (Posters will be available on Padlet from 9<sup>th</sup> June)

**15:30 – 16:45** Women and Girls in Science

**16:45 – 17:00** Announcements of the winners

**17:15** Closing of the conference