

INTERNATIONAL Sopot YOUTH CONFERENCE

Entitled: WHERE THE WORLD IS HEADING.

23 May 2025

Agenda

- 9:00** **Conference start**
- 9:00 – 9:05** **Welcome by *Jan Marcin Węśławski*, IO PAN Director
and *Tymon Zielinski*, IO PAN/Sopot Science Association Chair**
- 9:05 – 9:30** **Keynote talk by *Renee Zbizika*, *Stanford University, USA*
From Climate to Code: AI Applications in Climate Science.**
- 9:30 – 10:30** **Presentation Slot 1**
- Session 1.1**
 Session Chair: *Aleksandra Koroza*, *SSA/IOPAN*
- 9:30 – 9:45** **Hubert Górski, Państwowa Akademia Nauk Stosowanych in Chełm, Poland**
How nature inspires the aviation industry: the wake energy retrieval.
- 9:45 – 10:00** **Monika Zielenkiewicz et al., University of Gdansk, Poland**
Is the cure for Neuroblastoma growing in the Baltic Sea?
- 10:00 – 10:15** **Aleksandar Stanojković, National Marine Fisheries Research Institute –
NMFRI, Poland; Palacký University Olomouc, Czech Republic**
Painting the speciation continuum of microorganisms.
- 10:15 – 10:30** **Maja Kuźnik, Dominika Saniewska, University of Gdansk, Poland**
From Beak to feather: Mercury intake and elimination in Antarctic Shags
(*Leucocarbo bransfieldensis*).
- Session 1.2**
 Session Chair: *Tymon Zielinski*, *SSA/IOPAN*
- 9:30 – 9:45** **A. M. Cefali et al., Università degli Studi di Milano-Bicocca, Italy**
Evaluation of Methods for Formaldehyde Measurement in Industrial Emissions.
- 9:45 – 10:00** **Claudia Franchina et al., Università degli Studi di Milano-Bicocca, Italy**
Odors from Industrial Processes: A Monitoring Approach Using Electronic Noses.



Climate and Ocean Research
and Education Laboratory
Institute of Oceanology PAN



10:00 – 10:15 Martina Gianotti et al., Università degli Studi di Milano-Bicocca, Italy
Preliminary evaluation of experimental set-up to validate methods for quantification and classification of biogenic CO₂ in stack emissions.

10:15 – 10:30 Kinga Papuga et al., University of Gdansk, Poland
The occurrence of human pharmaceuticals in macrobenthic organisms of Antarctica (Admiralty Bay, South Shetland Islands).

10:30 – 10:45 Break

10:45 – 11:45 Presentation Slot 2

Session 2.1

Session Chair: Izabela Kotynska-Zielinska, SSA/TWH

10:45 – 11:00 Karolina Klimsiak, Ateneum Academy in Gdansk, Poland
Understanding Extreme Decisions: Women Facing Violence and Social Pressure.

11:00 – 11:15 Paulina Smolak, Ateneum Academy in Gdansk, Poland
Feminism and Women's Rights: Progress, Challenges, and the Road Ahead.

11:15 – 11:30 Sandra Klimsiak et al., Ateneum Academy in Gdansk, Poland
The Evolution of Western Perception of Asian Media.

11:30 – 11:45 Karolina Adamska, University of Warmia and Mazury in Olsztyn, Poland
Mental Health as a Global Priority: The Next Pandemic?

Session 2.2

Session Chair: Dorota Majewicz, SSA/Koszalin University of Technology

10:45 – 11:00 Jurand Sobiecki, Martyna Malcher, Wiktoria Manowska, et al., Fahrenheit Universities, Poland
The Relationship Between Religiosity and Authoritarianism and Social Dominance Orientation: Systematic Reviews and Meta-Analyses.

11:00 – 11:15 Jurand Sobiecki, Iwona Ulenberg, Martyna Szyperska, et al., Fahrenheit Universities, Poland
Pathways Between Gut Microbiome and Well-Being: Systematic Review and Meta-Analysis on Inflammation and Depression.

11:15 – 11:30 Jurand Sobiecki, Emilia Walaszek, Katarzyna Syguda, et al., Fahrenheit Universities, Poland
Gut Microbiome Links with Personality and Social Decision-Making.



Climate and Ocean Research
and Education Laboratory
Institute of Oceanology PAN



OCEAN
of CHANGES



2021 United Nations Decade
of Ocean Science
for Sustainable Development

today we have

ATENEUM
SZKOŁA WYŻSZA
W GDAŃSKU



GDYNIA
AQUARIUM



Cushman
Foundation for
Foraminiferal
Research

eur@ocean



BLUE
MISSION
BANOS

STORWARE

CSIC



11:30 – 11:45 Jurand Sobiecki, Klaudia Tusińska, Marianna Szczepaniak, et al., Fahrenheit Universities, Poland
Hyperbaric Oxygen and Synbiotic Interventions for Better Relaxation and Cognitive Performance.

11:45 – 12:00 Break

12:00 – 12:30 1 minute poster presentations

12:30 – 13:30 Presentation Slot 3

Session 3.1

Session Chair: Jan Jakub Sliwinski, SSA/IOPAN

12:30 – 12:45 Maksymilian Łuczkiewicz, University of Gdansk, Poland
Underwater Detonations - A Whale of an Issue for Marine Mammals.

12:45 – 13:00 João N. Monteiro et al., Universidade do Algarve, Faro, Portugal
Too Valuable to Lose: Management Framework for the Green Crab Fishery in Portugal.

13:00 – 13:15 Typou Theocharis, University of Macedonia, Greece
The Environmental Impact of Casinos.

13:15 – 13:30 Martyna Zagórna, University of Gdansk, Poland
When the Sharks Leave: Tracking ecosystem collapse through apex predators.

Session 3.2

Session Chair: Wirginia Hepert, Christian-Albrechts-Universität zu Kiel

12:30 – 12:45 Aleksandra Buźniak, University of Gdansk, Poland
Self-esteem-related attentional bias among people at risk of work addiction.

12:45 – 13:00 Oliwia Kosecka, Stanisław Czerwiński, Paweł Atroszko, University of Gdansk
Emotions and values as predictors of latent profiles of beliefs about Artificial General Intelligence (AGI) among high school students.

13:00 – 13:15 Maria Papadopoulou, Greece
Where the teaching of classical languages is heading.

13:15 – 13:30 Emilia Bolak et al., Ateneum Academy in Gdansk, Poland
Songs as Carriers of Information and Dictactic Tools – Then and Now.

13:30 – 13:45 Break



Climate and Ocean Research
and Education Laboratory
Institute of Oceanology PAN



13:45 – 14:45 Presentation Slot 4

Session 4.1

Session Chair: Dorota Majewicz, SSA/Koszalin University of Technology

13:45 – 14:00 Weronika Menka, Marek Szmeichel, Uniwersytet WSB Merito Gdańsk; Ateneum Academy in Gdansk, Poland

Multisensory learning in virtual and augmented environments.

14:00 – 14:15 Jurand Sobiecki, Natalia Wichrowska, Karolina Reysowska, et al., Fahrenheit Universities, Poland

Stress Relief Initiative: Distress in Academia.

14:15 – 14:30 Zuzanna Chlebicka, University of Warmia and Mazury in Olsztyn, Poland

Between Protection and Persecution: Legal Challenges in Wolf Conservation Amidst Policy Shifts and Poaching in Poland and the EU.

14:30 – 14:45 Zuzanna Majewska et al., Ateneum Academy in Gdansk, Poland

The Rise of Fast Cosmetics: Cost of Beauty – Trends, Impact, and Future.

14:45 – 15:15 Ewa Rutkowska, University of Warmia and Mazury in Olsztyn, Poland

Criminal Ornithology.

15:15 – 15:45 Networking

15:45 – 16:00 Announcements of winners

16:00 Closing of the conference



Climate and Ocean Research
and Education Laboratory
Institute of Oceanology PAN



OCEAN
of CHANGES



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

today
we have

ATENEUM
SZKOŁA WYŻSZA
W GDAŃSKU



GDYNIA
AQUARIUM



OYSTER
Charting Young Scientists of Europe

eur@ocean



BLUE
MISSION
BANOS

STORWARE

CSIC



Cushman
Foundation for
Foraminiferal
Research
Est. 1959



UNIVERSITY OF DEGLI STUDI
BICOCCA

GEOPLANET

INTERNATIONAL SOPOT YOUTH CONFERENCE

Entitled: WHERE THE WORLD IS HEADING.

23 May 2025

List of posters.

1. **Jurand Sobiecki, Malwina Zieniewicz, Katarzyna Michta, et al. Fahrenheit Universities, Poland**
Biological Basis of Well-being Centre by SciClub.
2. **Maja Trochanowska et al., University of Gdansk, Poland**
Siphonophorae diversity in the Gulf Stream off the Florida Coast.
3. **Szymon Wojciechowski et al., University of Gdansk**
Specific silencing of mutant allele of BAG3 gene allele with siRNA rescues cell phenotype observed in myofibrillar myopathy type 6 patient cells.
4. **Juliusz Olszewski, Ateneum Academy in Gdansk, Poland**
Electronic cigarettes as a phenomenon among the public and a new environmental threat.
5. **Milena Allka, Alexandra Preziou et al., University of Gdansk, Poland**
Clouded: Art as Emotional Resilience in an Era of Climate Anxiety and Urban Disconnection
6. **Martyna Bernard, Natalia Piekarczyk, Jan Jacek Kaczor et al., University of Gdansk, Poland**
The Impact of Vitamin D3 on Cognitive Function and Neuroinflammation in a Sporadic Alzheimer's Disease Model
7. **Nikola Bruska et al., Ateneum Academy in Gdansk, Poland**
The Environmental Cost of Artificial Intelligence.
8. **Małgorzata Dembek, Dariusz P. Fey, Szymon Smoliński, National Marine Fisheries Research Institute, University of Gdansk, Poland**
Multiple peripheral primordia in the otolith of herring (*Clupea harengus*) larva.
9. **Sophie Donaldson, Ateneum Academy in Gdansk, Poland**
Vanishing Voices: Language Loss and the Fight for Cultural Identity.



Climate and Ocean Research
and Education Laboratory
Institute of Oceanology PAN



OCEAN
of CHANGES



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

today
we have

ATENEUM
SZKOŁA WYŻSZA
W GDAŃSKU



GDYNIA
AQUARIUM



OYSTER
Challenging Young Scientists of Europe

eur@ocean

BLUE
MISSION
BANOS

STORWARE

CSIC



Cushman
Foundation for
Foraminiferal
Research
Est. 1959



UNIVERSITY OF DEGLI STUDI
BICOCCA

GEOPLANET

10. **Amelia Fryczkie, Zuzanna Śliwińska, Anna Steinke, Ateneum Academy in Gdansk, Poland**
The Impact of Artificial Intelligence on the Labor Market.
11. **Marta Górską, University of Wrocław, Poland**
Beyond Breakouts – A Multidisciplinary Approach to Acne.
12. **Paulina Górzyska et al., Ateneum Academy in Gdansk, Poland**
The impact of human activity on bird populations in Poland.
13. **Wiktoria Jeleniewska et al., University of Gdansk, Poland**
Antitumor Potential of Cyanopeptolins Produced by *Nostoc edaphicum* CCNP1411 Against Neuroblastoma SH-SY5Y Cells.
14. **Miriam Knefel, Alicja Wegrzyn, Łukasz Grabowski, University of Gdansk, Poland**
Characteristics of selected environmental bacteriophage infecting *Salmonella enterica* serovars.
15. **Wiktoria Lewandowska, Ateneum Academy in Gdansk, Poland**
The Ethical and Economic Impact of AI-Generated Art.
16. **Iwona Maj et al., Ateneum Academy in Gdansk, Poland**
The future of Ai.
17. **Roksana Malec et al., University of Gdansk, Poland**
Mercury in non-commercial fish from the lagoons of the southern Baltic Sea.
18. **Kinga Malinowska et al., University of Gdansk, Poland**
Characterization of the newly isolated bacteriophage 4.1. targeting *Salmonella* spp.
19. **Iga Nowakowska, Ateneum Academy in Gdansk, Poland**
Microtrends as a piece of the ripple effect in the ecological disaster.
20. **Natalia Różankiewicz, Ateneum Academy in Gdansk, Poland**
Human footprints beneath the waves.
21. **Veronika Polyvoda, Nikodem Rostkowski, Zofia Skrzypek, WSB Academy in Gdansk, Poland.**
Narratives of Division: How Contemporary Far-Right Propaganda Shapes Democratic Decline.
22. **Oskar Bryła, Sebastian Sobański, Ateneum Academy in Gdansk, Poland**
Energy Drinks and Cardiovascular Risk: A Growing Public Health Concern.



Climate and Ocean Research
and Education Laboratory
Institute of Oceanology PAN



OCEAN
of CHANGES



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development



GDYNIA
AQUARIUM



OYSTER
Charting Young Scientists of Europe's Future



Cushman
Foundation for
Foraminiferal
Research
Est. 1959



- 23. Szczubelek Kinga, Ateneum Academy in Gdansk, Poland**
Fast Fashion - Clothing Consumerism
- 24. Joanna Szmydtka, Katarzyna Kupidura-Pawlik, Estera Rintz, University of Gdansk**
Analysis of the allelic distribution of the c.451T>C (p. Cys151Arg) and c.626C>T (p. Pro209Leu) mutations in the BAG3 gene in patients with type 6 myofibrillar myopathy.
- 25. Maria Szota et al., University of Gdansk**
SSRI and SNRI drugs in the treatment of MPS III - cellular and molecular analysis.
- 26. Emilia Węglińska et al., University of Gdansk, Poland**
Characterization of three newly isolated bacteriophages as a potential therapeutic option against multi-drug resistant uropathogenic Escherichia coli (UPEC) strains.
- 27. Martyna Wiśniewska, Ateneum Academy in Gdansk, Poland**
The Negative Effects of Smartphone Use on Children Under 10: Exploring Sensory Play and Creative Alternatives.
- 28. Krzysztof Sitko, Natalia Zagórska, Stefan Tukaj, University of Gdansk, Poland**
Topical Application of Hsp90 Inhibitor 17-AAG Reduces Skin Inflammation in a Mouse Model of Atopic Dermatitis.
- 29. Maja Ziemian et al, University of Gdansk, Poland**
The effect of genistein on apoptotic pathways in a cellular model of Huntington's disease



Climate and Ocean Research
and Education Laboratory
Institute of Oceanology PAN

