

XI POLISH CONFERENCE IN HYDROMICROBIOLOGY

HYDROMICRO 2021: Microorganisms in aquatic environments – threats and hopes

Sopot, 9-11 June 2021

Meeting report - Ambassador Money Request

The Polish Conferences in Hydrobiology aim to connect researchers working on all aspects of aquatic microbiology: freshwater and marine ecology, waste water treatment microbiology, and biotechnology. The 11th edition was held in the hybrid format at the Institute of Oceanology of the Polish Academy of Sciences. The conference attracted 95 participants: 28 men and 67 women. 37 oral presentations and 27 posters were submitted in 7 research topics:

- Biodiversity and ecological importance of aquatic microorganisms;
- Bacteriological and sanitary aspects of waste water treatment;
- Innovative applications of aquatic microorganisms in environmental protection and biotechnology;
- Genomics and metagenomics in aquatic microbiology;
- Marine microorganisms;
- Viruses - good or/and bad guys;
- Pathogenic and antibiotic resistant microorganisms.

The support from ISME (500 EUR) was used to cover the travel costs of the invited speakers and for awards for young scientists.

INVITED LECTURES:

Prof. Anna Baraniak, National Drug Institute, Warsaw: *Klebsiella pneumoniae* – a hunter of resistance genes

Prof. Dariusza Dziga, Jagiellonian University, Cracow: Insight into the mechanism of viral infection of bloom-forming cyanobacteria

AUDIENCE AWARDS:

1. Talk: Prof. Aneta Łuczkiwicz: Dynamics of COVID19 pandemic based on detection of SARS-CoV 2 in sewage.
2. Poster: Dr Agnieszka Jędruch: Small can more? The role of microorganisms on Hg transfer along a marine food chain

AWARDS FOR PhD STUDENTS:

1. Talk: Karolina Szubert, What can result from a scientific meeting: – CyanoMetDB
2. Talk: Robert Konkel, *Nostoc edaphicum* CCNP1411 – a promising source of new drugs?
3. Talk: Marta Cegłowska, Characteristics of baltic cyanobacterium *Pseudanabaena galeata*
4. Talk: Agnieszka Kalinowska, Impact of sewage inflow on taxonomic structure, antibiotic resistance and biochemical potential of bacterial population in receiver waters.
5. Poster: Aleksandra Zalewska, Lytic characteristics and phylogenetic position of two bacteriophages isolated from urban sewage infecting clinical strains of *Pseudomonas aeruginosa*
6. Poster: Damian Rolbiecki, Occurrence of hypervirulent *Klebsiella* spp. in sewage and their potential transfer to the environment and personnel of water plants.
7. Poster: Arnoldo Font Najera, Isolation and characterization of nitrogen-transforming bacteria from nature-based solutions: sequential sedimentation biofiltration systems

AWARDS FOR POSTDOCS:

1. Talk: dr Ariel Kamiński, Phytoremediation of cytotoxic cylindospermopsin by *Lemna trisulca*
2. Poster: dr Nada Tokodi, Does chill/light stress have an effect on the expression of cyr genes and the production of cylindospermopsin by the CS-505 and CS-506 *Raphidiopsis raciborskii* strains?"

The ISME logo was placed on the conference webpage (<http://www.hydromicro.pl/>) and on the conference materials.

Piwoz

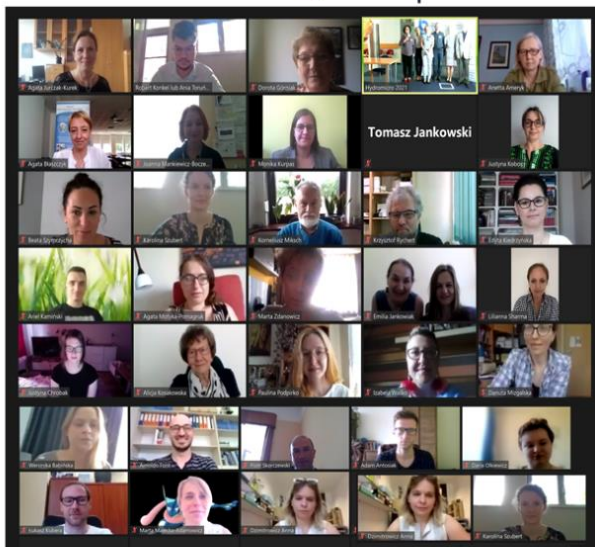
Katarzyna Piwoz
ISME ambassador, Poland
Gdynia, June 30 2021



Group photo with the organizing committee and invited speakers.

HYDROMICRO  **2021**

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XI OGÓLNOPOLSKA KONFERENCJA HYDROMIKROBIOLOGICZNA SOPOT 9-11 CZERWCA 2021