



Advanced treatment technologies

Agenda

10.10.2024: Panel of Partners Presentations

transmitted online by MS Teams

9:00 -9:10 Welcome and introduction of participants of the AdvIQwater project

Anna Zielińska-Jurek, Faculty of Chemistry, Gdańsk University of Technology

9.10 - 9:45 Pharmaceuticals as a threat to the environment - challenges related to their removal from wastewater

Ewa Siedlecka, Polish Ecological Club Pomeranian District, Faculty of Chemistry, University of Gdańsk

9.45 – 10:15 *The role of advanced oxidation methods in water and wastewater treatment*

Aleksandra Bielicka-Giełdoń, Polish Ecological Club Pomeranian District, Faculty of Chemistry, University of Gdańsk

The synergy of resources, the synergy of potentials – case study, presentation of cooperation

10:15 – 11:00 *Anaerobic ammonium oxidation process for nitrogen and pharmaceuticals removal from wastewater, heavy metal treatment of composts by white rot fungi*

Ivar Zekker, University of Tartu, Estonia

11:00 - 11:45 *Removing micropollutants with MBBRs: Dependence of micropollutant degradation kinetics on the adaptation of the biomass to BOD loading; Implications for reactor processes and reactor design,*

Kai Bester, Aarhus University, Denmark

Break 11:45 - 12:00

12:00 -12:45 *Solar-driven advanced oxidation processes for efficient micropollutants degradation*
Anna Zielińska-Jurek, Faculty of Chemistry, Gdańsk University of Technology

12:45- 13:00 *Photodegradation of active pharmaceutical ingredients*

Anna Grzegórska, Faculty of Chemistry, Gdańsk University of Technology

13:00 - 13:15 *Photocatalytic decomposition of cyclophosphamide with magnetic separation of the photocatalyst*

Aneta Kohnke, Polish Ecological Club Pomeranian District, Faculty of Chemistry, University of Gdańsk

13.15 - 13:45 *Sum up and Q&A*

13:45 – 14.00 *Conclusions and closing of the session*



Co-funded by European Union within Interreg Baltic Sea Region programme under the project: AdvIQwater - Improving quality of BSR waters by advanced treatment processes