



Horizon Europe Brokerage Event  
Cluster 6 Calls 2025

Warsaw , 27 May 2025

# Removal of Organic Impurities from Post - Production Wastewater in the Food and Beverage Industry Using Various Methods

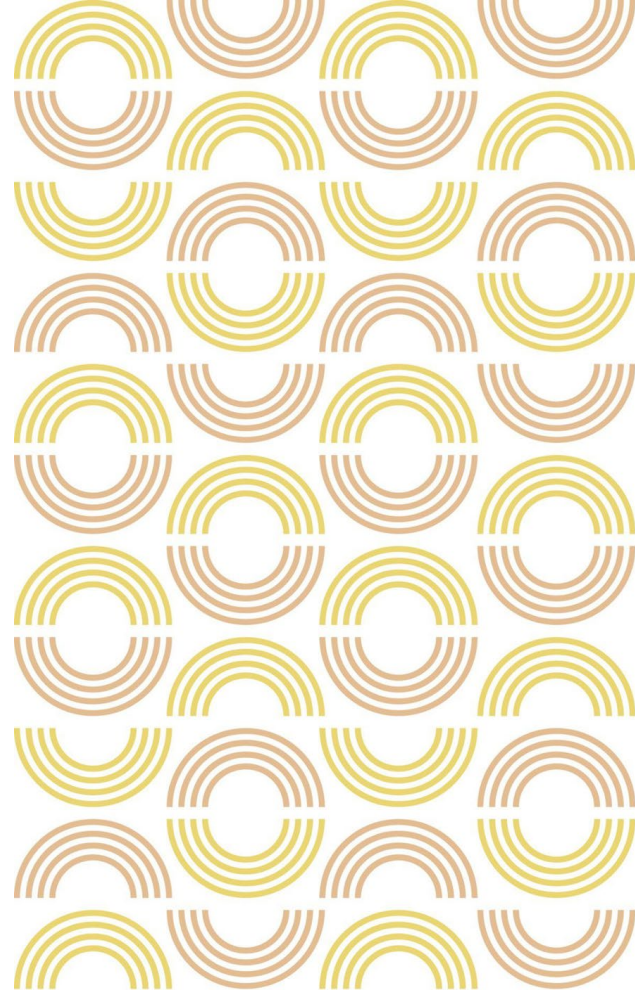
Katarzyna Zielińska

Łukasiewicz Research Network – Institute of Heavy Organic  
Synthesis „Blachownia”

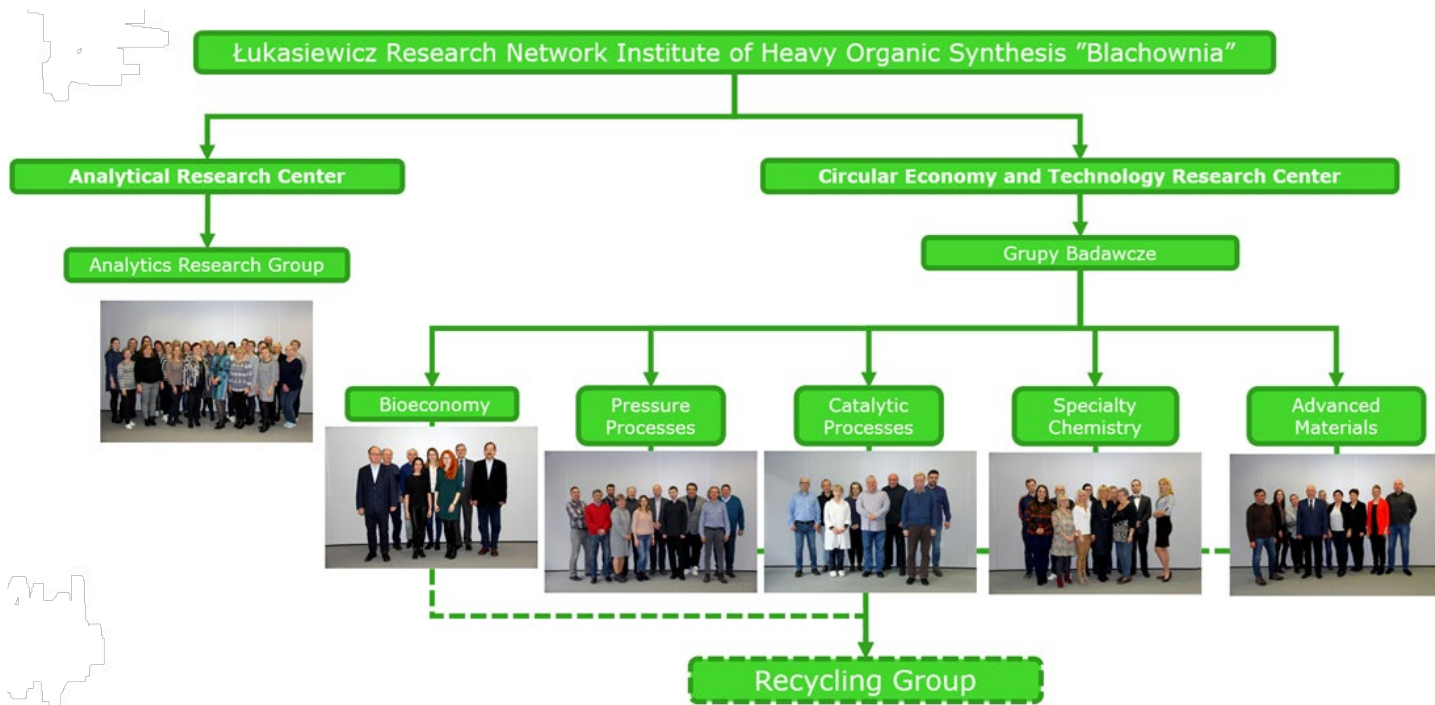


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# Łukasiewicz ICSO Blachownia



Development of a comprehensive solution aimed at reducing the amount of organic pollutants in food and drink industrial wastewater

Łukasiewicz ICSO "Blachownia" offers a cascade solution using one or several technologies to ensure the most effective removal of organic pollutants from industrial wastewater.

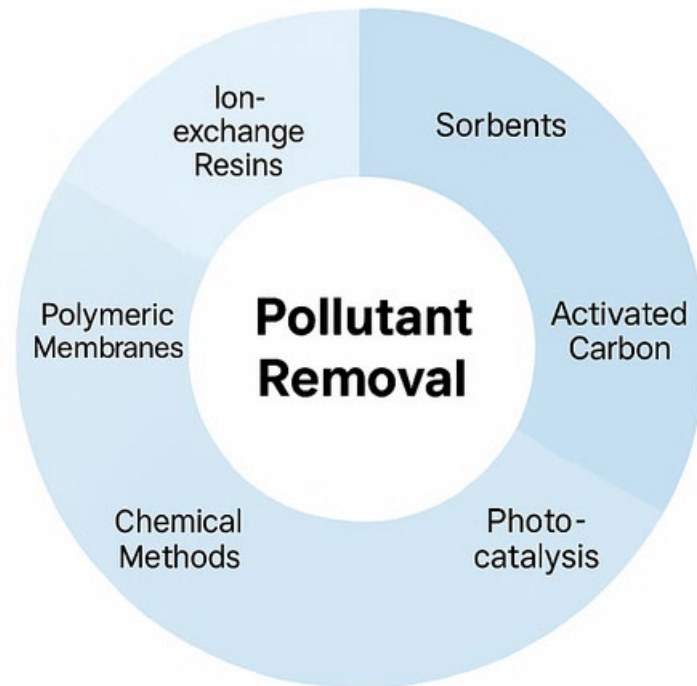
## Topic(s) addressed :

- HORIZON -CL6-2025-01-ZEROPOLLUTION -07: Reducing pollution from the food and drink industries
- HORIZON -CL6-2025-02-CLIMATE -05: Additional activities for the European Partnership Water Security for the Planet (Water4All)

## Removal of Organic Pollutants from Industrial Wastewater

Analytical methods enabling effective identification and quantification of organic pollutants present in wastewater:

- High -performance liquid chromatography with ELSD and UV/VIS detectors (HPLC)
- Liquid chromatography coupled with tandem mass spectrometry (LC -MS/MS)
- Titration methods



Pollutant  
Analysis

Selection of  
removal method

Laboratory  
scale tests

Half-technical  
scale tests

Full-scale  
testing

Implementation  
of the selected  
solution

Water quality  
control



## Contact details

PhD Katarzyna Zielińska

Łukasiewicz - ICSO „Blachownia”

Catalytic Processes Research Group Leader

[katarzyna.zielinska@icso.lukasiewicz.gov.pl](mailto:katarzyna.zielinska@icso.lukasiewicz.gov.pl)

Tel. +48 77 487 3180

+48 665 661 145