

Session 4 speaker



Pr. Maria Reis

Agriloop

Beijing Stakeholder Event 07-08/2025

A sneak peek at Agriloop's biotechnological pathways for upcycling agri-residues

Harnessing agricultural residues for the production of high-value products not only enhances sustainability and minimizes waste but also drives the transition toward a circular bioeconomy. Within the Agriloop project, innovative and cost-effective processes are being developed to produce proteins and biopolymers from agricultural residues, making these valuable materials more affordable while maximizing resource.

In this session, you will learn:

- How agricultural residues and by-products can be transformed into protein-rich microbial biomass for feed applications using
- How cost-efficient processes offer a sustainable pathway for transforming waste into high-value biopolymers.
- Edible proteins can be sustainably produced from agricultural residues through fungal bioconversion, unlocking new opportunities for nutrition and waste valorization.



Maria Reis is a Full Professor in Chemical and Biochemical Engineering at NOVA FCT. Main research interests have been in the development of sustainable bioprocesses for the exploitation of agro/industrial wastes for the production of biopolymers and bulk chemicals. Within this research area, published more than 300 papers in scientific journals with peer review, has coordinated 30 international projects and participated as a team member in 34. Co-supervised 40 PhD students.



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