



Horizon Europe Brokerage Event
Cluster 6 Calls 2025

Warsaw , 27 May 2025

New life for food by- products and agri- forestry wastes

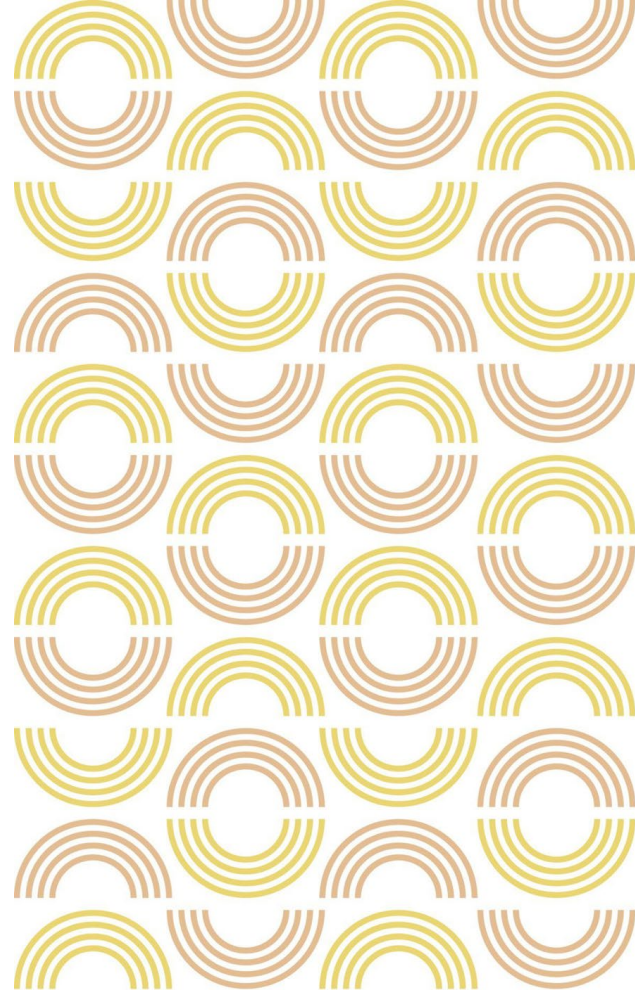
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Topic(s) addressed :

- CircBio - Circular design of bio-based technologies and products

Other topics of interest:

- ZEROPOLLUTION – Enhanced environmental performances of bio-based processes approaching the zero-waste, zero-pollution
- FARM2FORK – Sustainable bio-based active packaging

Project idea : New life for food by-products and agro-forestry wastes

The main idea is to design and develop green and sustainable extraction methodologies and processes for food by-product and agro-forestry wastes, reduction, and turning them into valuable products, allowing to re-use them rather than landfilled disposal or combustion, and to give them a new life.

This will decrease environmental impacts on soil, water, and air quality, biodiversity and climate, increasing durability and suitability of products to be safely re-used and re-manufactured, allowing for high-quality recycling and for biodegradability.



Our team offers experience with research and development on

- bio(nano)composite systems with target for argi-food sector
- extraction of high value products from lignocellulosic wastes using green solvents and non-conventional processes
- using (nano)cellulose and lignin (nano particles) in coatings and adhesives for wood and wood-based materials sector
- bioactive food packaging
- superabsorbent hydrogels for water retention and fertilizers release in soil

Expertise in projects and dissemination actions:

- Coordinating the InnSys - Innovative Bio(nano)composite Systems Living Lab
- Large and well structured stakeholders community.
- The team participated in research and coordinating actions in projects: COMPIO, STIM 4+, INOBIOPACK, NANO4BIO, RURALITIES, CITIES 2030, SHERPA

We are actively seeking to join consortia as partners and are also looking to establish new collaborations

Contact details

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P e t r u P o n i I n s t i t u t e o f M a c r o m o l e c u l a r C h e m i s t r y o f t h e R o m a n i a n A c a d e m y
(r e s e a r c h i n s t i t u t e)

I a s i , R o m a n i a

Thank you for your attention!