



## Horizon Europe Brokerage Event Cluster 6 Calls 2024

Brussels , 26 September 2023

**Synthesis of silver nanoparticles by green method  
and heir incorporation into polymer matrix**

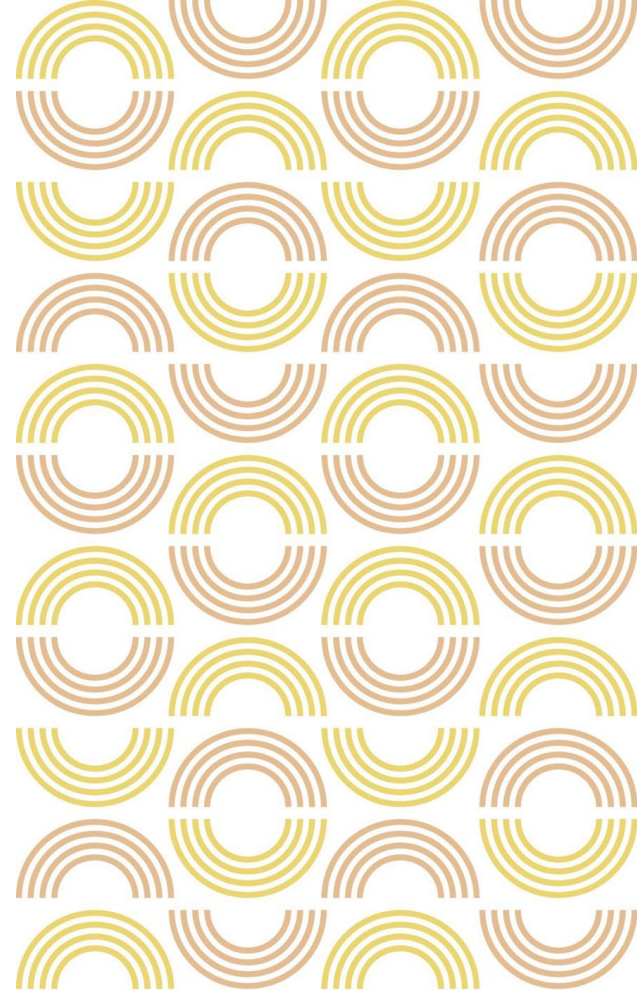
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## Topic(s) addressed :

- **HORIZON -CL6-2024-CircBio -02-5-two -stage: Circular design of bio - based processes and products**

## Other topics of interest:

- **HORIZON -CL6-2024-CircBio -02-3-two -stage: Increasing the circularity in electronics value chains**

## Project idea

- The aim of the project is to prepare Ag nanoparticles by eco-friendly methods and consequently use them for polymer nanocomposite preparation which can effectively prevent the adhesion of microorganisms to solid surfaces and composites that will have special physical properties.

## Main expertise offered / sought

University offers expertise to participate as a Partner in a Horizon Europe Project

- Analytical service – providing XRD, XRF, UV-vis, and AAS measurements
- Testing of toxic and antibiofilm activity of prepared nanoparticles and polymer composites
- TEM and SEM microscopy analysis

## Contact details

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