

Lignin and tannins from plants to laboratory and back: nanostructures for active delivery

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Waste natural polyphenols valorization is the bottleneck for the development of integrated zero waste sustainable biorefineries. Despite huge scientific efforts the potential of such fascinating natural polymers is still widely underexploited.

This presentation will critically review the challenges and advances in the field and will outlook new perspectives in the exploitation of lignin and tannins in the synthesis of nanomaterials with potential application in agriculture.