

## **Innovative nanotechnological tools in plant and food protection**

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Nanotechnology is an interdisciplinary green research field able to guarantee great applications in several areas such as pests management and safety and quality of food products. Traditional chemicals/materials often show different negative effects; in this scenario, the use of green materials for the extraction of nanostructures allow their use for innovative approaches. The goal is to provide a more efficient assembly and release of sustainable active principles for plant protection as well as eco-friendly active packaging systems to reduce chemicals and wastes, in order to contribute to the circular economy concept of strong interest in both academic and industrial scenarios.