

Analytical methodologies for the detection of nanomaterials: state of the art

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While nanomaterial applications in the agrifood value chain are rapidly increasing, concerns related to their safety should be carefully evaluated. Indeed, consumers can be exposed to nanomaterials due to their intentional or unintentional use within products or for their generation during industrial processes.

To understand the impact of nanomaterials on human health, an appropriate analytical approach for their physico-chemical characterization needs to be applied. This is a very challenging issue due to the lack of standardized procedures and the low number of validated methods.

The presentation will cover the most important aspects to be considered in the analytical methodologies for the detection of nanomaterials in agrifood value chain.