## **Special Issue**

## Cutting-Edge Research of Nanoscience and Nanomaterials Use in Biosciences

## Message from the Guest Editors

Nanoscience and nanotechnology find applications in every sector of our daily life and aim to promote industrial competitiveness and ameliorate well-being and health. As examples, in the agri-food field, the production of nano-agrochemicals holds the promise to promote sustainability by reducing the massive exploitation of external inputs through targeted delivery. improved uptake and use efficiency. Nano-sensors allow automated monitoring of crops and resource management, while smart nano-packaging could grant an enhanced shelf life of food. Similarly, nano-enabled materials have increased relevance in biomedicine. especially regarding their noteworthy potentialities for active targeted drug delivery, improved drug loading and stability for either in vivo and/or in vitro 3D experimental set-ups. This Special Issue of the International Journal of Molecular Sciences is dedicated to articles investigating innovative or pioneering methods on the engineering and characterization of nanomaterials, their interaction with biological matter, and technology transfer to the agri-food, environment, biomedicine, and space biology sectors.

#### **Guest Editors**

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## Deadline for manuscript submissions

closed (30 September 2023)



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## Message from the Editor-in-Chief

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### **Editor-in-Chief**

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