



## Nanoparticles for Biomedical Application: Second Volume

Guest Editors:

**Dr. Ana Figueiras**

**Prof. Dr. Francisco Veiga**

**Dr. Ivana Jarak**

Deadline for manuscript  
submissions:

**closed (10 January 2023)**

### Message from the Guest Editors

Dear Colleagues,

Over the past three decades, the rapid development of nanotechnology has resulted in the increased implementation of nanoparticles (NPs) in the field of biomedicine. However, despite growing efforts, a relatively small number of nanoparticle-based formulations is currently used in clinical practice. Challenges such as improved characterization, possible toxicity, delivery efficacy and cost–benefit considerations still need to be improved and resolved.

Although most of the NP drug delivery systems are well-characterized in vitro and exhibit improved therapeutic efficacy compared to classical treatment with the free drug, in vivo clinical effects are not always encouraging and are often incomplete or lacking altogether. It is therefore of paramount importance to systemize and present the latest developments in the field of NPs in biomedical applications.

In this Special Issue, Nanoparticles for Biomedical Applications, in vitro and in vivo studies are highlighted and discussed. It is my pleasure to invite you to submit a manuscript for this Special Issue.

Prof. Dr. Ana Figueiras  
Prof. Dr. Francisco Veiga  
Dr. Ivana Jarak  
Guest Editor





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## Message from the Editor-in-Chief

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