# **Special Issue**

# Enhanced Bioapplications of Biomolecules Mediated by Nanomaterials

## Message from the Guest Editors

Nanomaterials have revolutionized various fields, including biomolecules research and applications. Biomolecules such as proteins, nucleic acids, carbohydrates, and lipids form the basis of the chemistry of life. Using nanomaterials with biomolecules has led to significant advancements in diagnostics. therapeutics, and bioengineering. There are increasing applications of biomolecules in nanomaterials, with the study of related basic theory on optoelectronic chemistry developed quickly. In drug delivery, gold, silver, and magnetic nanoparticles can be conjugated with drugs or used as carriers to deliver therapeutic biomolecules like proteins and nucleic acids to targeted cells with enhanced efficacy and reduced side effects. This Special Issue will focus on the best contributions from a wide community of scientists to challenge and develop novel nanomaterials for biotarget molecules in drug delivery, disease diagnosis, tissue engineering, immunotherapy, and bioenergy processes. We invite both original research articles and review papers to be submitted for consideration.

### **Guest Editors**

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## Deadline for manuscript submissions

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## Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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

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