

## Special Issue

# Nanomaterials in Cancer Therapy: Synthesis, Mechanisms, and Applications

### Message from the Guest Editors

In recent years, the development of new nanomaterials is an evolving field with great potential for cancer therapies. A significant progress has been made in the synthesis of nanomaterials with controlled geometry, physicochemical properties, surface charge, and the decoration of their surfaces with polymers or bioactive molecules. Regarding cancer, nanomaterials, including inorganic nanomaterials (like silica nanoparticles, magnetic nanostructures, quantum dots, etc.) and emerging organic nanomaterials (such as micelles, liposomes, and dendrimers, etc.), have studied for cancer diagnostics and therapeutics due to their solubilization effect, drug/protein protection, passive/active tumor targeting, controlled drugs release which result in enhanced anti-cancer efficacy while reducing side effects. This research topic welcomes paper include (but are not limited to):

- Design and synthesis of novel nanomaterials
- Structure identification and mechanism exploration of nanomaterials
- Nanomaterials-based biosensor
- Nanomaterials-based drug delivery
- Nanomaterials-based bioimaging
- New therapeutic strategies based on nanomaterials

### Guest Editors

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### Deadline for manuscript submissions

closed (31 August 2024)



## Molecules

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### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

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