

Special Issue

Novel Nanomaterials: Sensing Development and Applications

Message from the Guest Editors

Nanomaterials have transformed the fields of chemistry and sensing, enabling groundbreaking innovations in material design, functionalization, and application. This Special Issue, titled “Novel Nanomaterials: Sensing Development and Applications”, showcases the latest advancements in nanomaterials’ synthesis, characterization, and integration into chemical, biological, physical, and environmental sensing technologies. We welcome contributions on the design and optimization of nanomaterials for enhanced sensitivity, selectivity, and stability in diverse sensing applications, including environmental monitoring, biomedical diagnostics, and industrial process control. Studies on novel synthesis techniques, surface modification strategies, and fundamental chemical interactions governing sensing mechanisms are particularly encouraged.

Guest Editors

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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.

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