

## Special Issue

# Nanotechnology-Based Biomaterials: Recent Advances and Future Prospects

### Message from the Guest Editor

To move the nanobiomaterial field forward, it is crucial to develop an understanding of the impacts, toxicity, remediation, sensing, environmental impact, and food safety of different nanoparticles, as well as to conduct biological analyses to elicit potential responses by these nanomaterials. This will facilitate various technological developments in biomaterials, furthering the goal of combining nanomaterial research with applications in biosciences, engineering, materials science, and neuroscience.

This Special Issue focuses on all aspects of bionanomaterials, including the fundamentals, computations, applications, and perspectives. We invite authors to contribute review articles, original research articles, and short communications covering potential topics that involve bionanomaterials, including (but not limited to) novel approaches to the types, synthesis, characterization, functionalization, and properties of nanostructured materials; applications of nanoparticles in biomedicines; pharmaceuticals; nanotoxicity; nanoelectronics; polymers; and nanosensors and nanodevices.

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### Guest Editor

Dr. Prabakaran Mayakrishnan

Department of Chemistry, Dongguk University, Seoul 04620, Republic of Korea

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### Deadline for manuscript submissions

closed (31 March 2023)



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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