

SPECIAL ISSUE on
Synthetic and Natural Based Bionanomaterials Biomedicine and Environment

Special Issue Information

The state of the environment today necessitates the development of original, ecologically conscious solutions to global issues that meet material needs. Green Composites (GC) are natural fiber-reinforced bio-composites whose matrix is a biobased polymer. These biocomposites have shown promising properties. These biocomposites, known as Green Composites (GC), are reinforced with natural fibers and created from sustainable resources. One of their most crucial qualities is biodegradability, which enables these new "green" materials to be marketed as an environmental solution on a global scale. Using raw materials has grown easier in a variety of industries, including as construction, automotive, packaging, and medicine, because of their unique features and environmental friendliness. The production processes for obtaining these minerals have therefore undergone significant advances. This industry now plays a significant role in supporting the growth of green economies and global sustainability while also giving some countries, especially those with an abundance of natural resources, a significant source of income.

Scope and information for Authors

Original Research, Reviews, Mini Reviews, and Perspectives on the following subjects are all welcome:

- The synthesis, analysis, and application of bio-based nanoparticles.
- Bio-based nanoparticles' uses in medicine (drug and vaccine delivery, anticancer and antibacterial agent, and wound healing).
- The adsorption and bioremediation processes that employ bio-based nanoparticles.
- Applications of biomaterial-derived nanoparticles in energy and electrical fields.
- Food safety applications including bio-based nanoparticles.
- Bio-based nanomaterials for food waste transformation applications.
- Applications of bio-based nanomaterials in enzymatic nano-bioprocessing.
- Green composite processing.
- Green composites: their properties and structure-property relationships.
- Creation and evaluation of biodegradable polymer matrices for application in environmentally friendly composites.
- Green composite testing and its applications in industry and commerce.

Manuscript Submission Information

Authors should follow the journal's submission guidelines and submit papers by 15 January 2024. Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere (except conference proceedings papers). All manuscripts are thoroughly

refereed through a peer-review process. A guide for authors and other relevant information for submission of manuscripts is available on the [Authors Guidelines](#) page.

For submission and any correspondence please contact to: journal@jomardpublishing.com

Important Dates:

- Deadline for Submissions: January 15, 2024
- Final notification: March 01, 2024

Special Issue Guest Editors**Prof. Mehmet Firat Baran**

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