

Special Issue on *Synthetic and Natural Based Bionanomaterials Biomedicine and Environment* of the journal *Advances in Biology & Earth Sciences* is announced.

Journal information:

The journal *Advances in Biology & Earth Sciences* is published by Jomard Publishing. Journal is indexing by AGRIS and CABI: CAB Abstracts & Global Health.

Special Issue Guest Editors

- **Assoc. Prof., Dr. Ram Prasad**, Department of Botany, School of Life Sciences, Mahatma Gandhi Central University, Motihari, East Champaran- 845401, Bihar, India
- **Assoc. Prof., Dr. Mehmet Firat Baran**, Technical Sciences Vocational School, Food Business Department, Batman University, Batman, Turkiye

Deadline for manuscript submissions: 15 March 2024.

Publication Fee:

All accepted papers will be published free of charge.

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.

Keywords: bio nanoparticles, bioremediation, biomedicine, composites, environmental applications, green synthesis, Nano biotechnology, pollutants.

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 March 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: jomardpublishing@gmail.com