

## eBook Information

## Bioinspired Nanomaterials

Synthesis and Emerging Applications

**Eds. Alagarsamy Pandikumar, Perumal Rameshkumar**

Monograph / PDF eBook DRM Free

Biological synthesis employing microorganisms, fungi or plants is an alternative method to produce nanoparticles in low-cost and eco-friendly ways.

*Keyword:* Bioinspired Nanomaterials, Metal Nanoparticles, Metal Oxide Nanostructures, Nanocomposite Materials, Microbicidal Activity, Drug Delivery, Packaging Applications, SERS Applications, Fluorescent Biosensing, Quantum Dots. Bio-Imaging, Electrochemical Sensors

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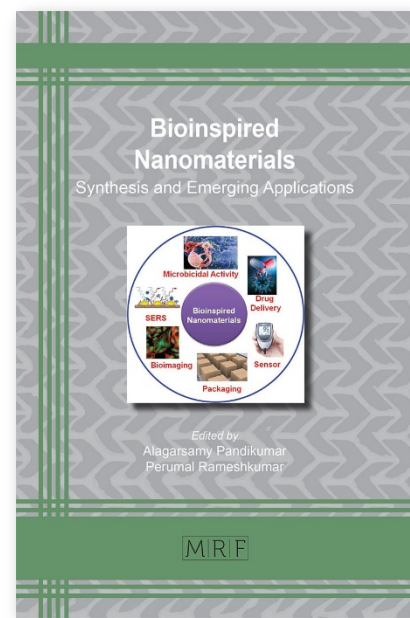
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**Imprint:** Materials Research Forum LLC, *Publisher's sales rights are Worldwide*

Summary:

Biological synthesis employing microorganisms, fungi or plants is an alternative method to produce nanoparticles in low-cost and eco-friendly ways. The book covers the synthesis of metal nanoparticles, metal oxide nanostructures and nanocomposite materials, as well as the stability and characterization of bioinspired nanomaterials. Applications include optical and electrochemical sensors, packaging, SERS and drug delivery processes.



## Full Color Print Book Information

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