

Scope of Nanoscience: Current Research

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Aim & Scope

The main of Journal of Nanoscience and Current Research is to offer an international forum for the dissemination of multidisciplinary approaches in the field of nanoscience and nanotechnology. Journal of Nanoscience and Current Research focuses on the design, fabrication and characterization of nanomaterials in different forms for a broad range of functional applications, from (photo)catalysis, to gas sensing, to disease treatment, up to energy production. The interdisciplinary coverage of the Journal includes all the basic and applied research of Nanoscale sciences with innovative Nanotechnology applications towards science, engineering and technology.

The topics covered by the journal will include, but are not limited, to:

- Design, top-down and bottom-up preparation and chemico-physical characterization of inorganic, organic and hybrid nanoscale materials (thin films, nanopowders, nanoclusters, quantum dots, nanotubes, nanowires, nanocomposites....)
- Molecular science for functional nanomaterials, including the tailored assembly of molecular compounds and nanoarchitectonic
- Nanopatterning, nanofabrication, processing and implementation of nano- and atomic scale materials and functional devices
- Smart and stimuli-responsive systems
- Self-assembly and lithographic processes
- Synthesis and methodologies in inorganic and metallorganic chemistry
- Technological applications in: a) (photo)catalysis for environmental remediation and hydrogen production, self-cleaning and anti-fogging systems; b) chemical and biochemical sensing systems and devices for the liquid and gas-phase detection of various analytes; c) optical, electronic and magnetic devices, d) energetics (photovoltaics, solid state batteries, fuel cells, (photo)electrochemical water splitting, hydrogen production, oxygen evolution reaction, biomasses valorization); e)

nanofluidics; f) nanomedicine, genomics, cancer treatment, drug delivery; g) nanotribology; h) biomimetic nanomaterials, g) modeling and advanced computing techniques

2019 Issue Release Highlights

During the year 2019 we have released two issues which included Research, Review, Editorial and Conferences, some articles are listed below:

1. Study of Di-electric Constant Dependency of Eu_2O_3 Doped SrTiO_3 Nano-Ceramic on Temperature and Frequency.
2. Pharmacological Properties of *Cissus quadrangularis* Loaded Silver Nanoparticles: An *In-vitro* Study.

2020 Issue Release Highlights

In 2020 we have already release one Issue, now we are planning to release other issue and here we accept all types of Review, Research, Editorials, Case report, Original research, Commentary .etc. within the Scope of Journal

DOI Interlinking

Journal of Nanosciences: Current research strongly supports the open access initiative. All published articles will be assigned DOI provided by cross references. This journal will keep up-to-date with latest advances in the field of Nanotechnology. Abstracts and full texts (HTML, PDF and XML format).

Funding

Hilaris publishing supports the authors by publishing the articles of NIH grant and European or UK-based biomedical or life sciences grants. All funded articles are indexed in PubMed.

Some Funded articles of Nanosciences: Current research journal:

1. *In Situ* Hybridisation Study of Neuronal Neuropeptides Expression in Models of Mandibular Denervation with or without Inflammation: Injury Dependant Neuropeptide Plasticity.

Abd El-Aleem SA, Department of Histology, Minia Faculty of Medicine, Egypt.

2. Assessment of GC-MS in Detecting Changes in the Levels of Metabolites Using a Spike-in Experiment in Human Plasma

Varghese RS, Department of Oncology, Lombardi Comprehensive Cancer Center, Georgetown University Medical Center, Washington, DC, USA.

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