

AIMS AND SCOPE

Journal of Phytonanotechnology and Pharmaceutical Sciences (JPPS) is dedicated to increasing the depth and breadth of knowledge across disciplines with the ultimate aim of advancing research in phytonanotechnology, pharmaceutical sciences, and natural product-based drug discovery. JPPS aims to publish original, peer-reviewed research papers, reviews, short communications, and case studies encompassing all major aspects of phytonanotechnology and pharmaceutical sciences. The journal welcomes submission of manuscripts that meet the general criteria of significance, novelty, and scientific excellence.

JPPS is dedicated to publishing the full range of topics in phytonanotechnology and pharmaceutical sciences, and the single most important criterion for acceptance is scientific brilliance regarding the vast knowledge of medicinal plants, their bioactive constituents, and drug molecules obtained from natural origin. Articles must therefore go through a rigorous peer-review process and are published as open access online so that anyone across the globe can access them free of charge, which stimulates broad readership and enhances citation impact.

The journal is aimed at publishing and disseminating innovative findings in the following areas of interest:

Phytonanotechnology and Nanoscience

- Green synthesis and plant-mediated fabrication of nanoparticles
- Phytosynthesis of metal and metal oxide nanoparticles
- Engineered nanomaterials and nanoparticle characterization
- Nanocarriers, nanoshells, nanocapsules, nanogels, nanospheres, dendrimers, quantum dots, fullerenes
- Nanoparticle-based drug delivery and theranostic nanomedicines
- Nanotoxicology, phytotoxicity, cytotoxicity, genotoxicity, and ecotoxicity
- Nanofertilizers, nanopesticides, nanoherbicides, and nanoagrochemicals
- Plant nanobionics and nano-elicitation of secondary metabolites
- Nanobiosensors and nanosensors in agriculture, environment, and healthcare
- Phytoremediation and environmental remediation using nanomaterials

Pharmaceutical Sciences

- Pharmaceutics and pharmaceutical technology
- Pharmaceutical and medicinal chemistry
- Drug discovery, design, and development
- Pharmacology, toxicology, and clinical pharmacology
- Pharmacokinetics, pharmacodynamics, and ADME-Tox studies
- Pharmaceutical analysis and quality assurance
- Clinical and hospital pharmacy
- Pharmaceutical biotechnology and bioinformatics
- Regulatory affairs, pharmacoconomics, and intellectual property rights

Natural Products and Phytomedicine

- Medicinal plants and plant secondary metabolites
- Phytochemistry and pharmacognosy
- Bioactive compounds, alkaloids, flavonoids, terpenoids, and phenolics
- Herbal medicines and nutraceuticals
- Standardization, safety assessment, and quality control of herbal preparations
- Ethnopharmacology and traditional medicine
- Herb-drug interactions and adverse drug reactions