

## Special Issue

# Natural Products Research: Isolation, Characterization and Bio-Functional Exploration

### Message from the Guest Editor

This special issue focuses on the isolation, characterization, and structure-activity relationships of natural compounds, emphasizing their pharmacological, bio-functional properties, and ethnopharmacology. We invite contributions that combine traditional methods with modern analytical and computational techniques to address challenges in pharmaceuticals, nutraceuticals, agriculture, and biotechnology. Topics of interest include, but are not limited to, the following:

- Isolation, purification and structural characterization of natural compounds
- Essential oil of new sources, new biological activity statement of fatty oils and essential oils
- Bioactivity assessment, mechanism of action studies and structure-activity relationships
- Metabolomics, deduplication and advanced analytical methods
- Biosynthetic pathways and biotechnological production of natural products
- Marine, microbial, plant-derived and endophytic natural products
- Applications of natural products in medicine, food, cosmetics and agriculture
- Computational chemistry, molecular docking and in silico predictions of natural compounds
- Nanomaterials of natural products

### Guest Editor

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### Deadline for manuscript submissions

30 June 2026



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