



---

## Special Issue on Bioactive Compounds, Molecular Mechanisms and Therapeutic Applications

### Call for Papers

Bioactive Compounds, Molecular Mechanisms and Therapeutic Applications explores naturally occurring and synthetic compounds with biological activities and their potential roles in disease prevention, diagnosis, and treatment. The field covers the isolation, characterization, structural analysis, pharmacological properties, and biological functions of bioactive molecules, including polyphenols, flavonoids, alkaloids, peptides, terpenoids, and other functional compounds. Particular attention is given to their molecular mechanisms, cellular signaling pathways, interactions with biological targets, pharmacokinetics, bioavailability, and therapeutic effects. It also addresses the development of bioactive compounds into pharmaceuticals, nutraceuticals, and functional products, supporting the discovery of innovative strategies for improving human health and managing various diseases.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Bioactive Compounds, Molecular Mechanisms and Therapeutic Applications**. Potential topics include, but are not limited to:

- Bioactive compound discovery
- Natural product chemistry
- Phytochemical analysis
- Polyphenols and flavonoids
- Alkaloids and terpenoids
- Bioactive peptides and proteins
- Antioxidant mechanisms
- Anti-inflammatory mechanisms
- Molecular signaling pathways
- Cellular and molecular targets
- Pharmacological activities
- Drug discovery and development
- Pharmacokinetics and bioavailability
- Drug delivery systems
- Nutraceuticals and functional foods
- Therapeutic applications and clinical translation



Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Bioactive Compounds, Molecular Mechanisms and Therapeutic Applications**” should be selected during your submission.

Special Issue Timetable:

|                     |                     |
|---------------------|---------------------|
| Submission Deadline | December 16th, 2026 |
| Publication Date    | February 2027       |

**Guest Editor:**

For further questions or inquiries, please contact Editorial Assistant at [papersubmissionyun@gmail.com](mailto:papersubmissionyun@gmail.com)

ABC Editorial Office  
[abc@scirp.org](mailto:abc@scirp.org)