

Special Issue

Molecular Applications of Antioxidants and Anti-Inflammatory Activities of Natural Products

Message from the Guest Editor

This Special Issue, titled “Molecular Applications of Antioxidants and Anti-Inflammatory Activities of Natural Products”, focuses on the exploration of natural compounds with antioxidant and anti-inflammatory properties at the molecular level. Natural products are a rich source of bioactive molecules that play a key role in mitigating oxidative stress and inflammation—key factors contributing to numerous chronic diseases and aging.

This Special Issue invites original research and review articles that reveal the molecular mechanisms underlying these effects, including signaling pathways, molecular interactions, and cellular targets. Studies using advanced molecular techniques, such as genomics, proteomics, and metabolomics, to elucidate the therapeutic potential of natural products are highly encouraged. While partial clinical research and survey studies fall outside the scope, contributions presenting molecular-level insights into the biological activity of natural compounds are particularly welcome.

Guest Editor

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