

## Special Issue

# Synthesis and Application of Natural and Inspired-Natural Products

### Message from the Guest Editor

The therapeutic panorama has been recently changed, pointing out the importance of natural sources and their derivatives. Natural substances, a large and diverse group of substances such as alkaloids, flavonoids, glycosides, polyphenols, amino acids, and peptides of plant, microbial, and animal origin, increasingly represent a huge potential reservoir for identifying new therapeutic targets, developing new therapies, and understanding complex biological mechanisms. Natural products are the link between ancient wisdom and modern research; in fact, they are able to express different activities such as antioxidant, antifungal, antibacterial, anti-inflammatory, antiviral, hepatoprotective, and neuroprotective, and therefore they are increasingly used. Furthermore, in recent years, numerous studies have demonstrated the ability of compounds of natural origin to improve the effects of antitumor or antimicrobial drugs, helping to overcome the phenomenon of resistance of tumor cells or microorganisms to treatment with drugs or antibiotics.

### Guest Editor

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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