

Special Issue

Bioactive Compounds: From Nature to Pharmaceutical Applications

Message from the Guest Editors

Nature offers an incredibly diverse treasure trove of chemical compounds/secondary metabolites with therapeutic potential. Chemical templates in the form of secondary metabolites such as flavonoids, alkaloids, glycosides, saponins, terpenoids, steroids, essential oils, fixed oils, etc. have shown outstanding pharmacological effects in various in vitro and in vivo paradigms. Several of these are already being investigated for detailed mechanistic studies apart from their safety profile. However, those chemical entities that have not been explored yet for their pharmacological effects need to be studied urgently. On the other hand, those compounds whose prominent effects have been elicited and their safe dosage levels confirmed must be tested for clinical effects in controlled clinical trials. This Special Issue will describe the latest developments in nature-derived therapeutic agents in terms of pharmacological effects and overall natural drug discovery events.

Guest Editors

Prof. Dr. Haroon Khan

Prof. Dr. Mohammad Amjad Kamal

Dr. Syed Shams ul Hassan

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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