

Special Issue

Analysis and Biological Evaluation of Bioactive Compounds from Natural Sources

Message from the Guest Editors

Since ancient time, extracts from plants or other organisms have been used as remedies for the treatment of different types of diseases, and today, it is well known that their biological activities are imputable to active compounds present in their chemical composition. For this reason, tremendous effort has been invested to delineate the chemical composition profile of these natural remedies, but only in recent times, their active ingredients have been isolated and identified with the final goal to verify their chemotherapeutic potential. From this kind of research, the close relationship between the chemical composition, in terms of secondary metabolites, and the ability to play a role in health has emerged quite clearly; therefore, there are numerous multidisciplinary studies aimed at the chemical and biological evaluation of complex natural matrices. Due to the strong interest in the current topic, we want to collect original multidisciplinary research reports and updated literature reviews on several fields related to extraction, secondary metabolic profile characterization, bioactivity, and mechanisms of action of bioactive compounds from natural sources.

Guest Editors

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As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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