

Special Issue

Plant Derived Natural Products and Age-Related Diseases

Message from the Guest Editors

Age-related diseases are defined as diseases with incidence rates among the adult population increasing with age, and include dementia, Alzheimer's disease, diabetes, atherosclerosis, cardiovascular disease, arthritis, cataracts, osteoporosis, hypertension.

The plant kingdom constitutes an important source of pharmacologically active compounds.

In this light, this Special Issue focuses on research works on naturally occurring compounds (primary and secondary metabolites) isolated from plants, chemically modified and purely synthetic structures which were conceptually derived from natural products. In more detail, this Special Issue will cover aspects related to (i) the design, synthesis and biological evaluation of compounds inspired by natural products, (ii) analytical approaches for the isolation and/or characterization of bioactive natural products; (iii) investigations on the mechanism of action of active plant metabolites either in vitro or in vivo; (iv) investigations on novel therapeutic targets modulated by natural products; (v) etnodirected drug discovery.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2021)



Molecules

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Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/55277

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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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