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Plant Derived Natural Products and Age-Related Diseases

Guest Editors:

Prof. Dr. Manuela Bartolini

Department of Pharmacy and
Biotechnology, University of
Bologna, Via Belmeloro 6, 40126
Bologna, Italy

**Prof. Dr. Luiz Antonio Soares
Romeiro**

Department of Pharmacy, Health
Sciences Faculty, University of
Brasilia, Campus Universitário
Darcy Ribeiro, 70910-900 Brasília,
DF, Brazil

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Message from the Guest Editors

Dear Colleagues,

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.

Prof. Dr. Manuela Bartolini

Prof. Dr. Luiz Antonio Soares Romeiro

Guest Editors



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Special Issue



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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

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.

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Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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