# Special Issue

## Natural Products as Anti-aging and Antidiabetic Agents

### Message from the Guest Editors

Aging is considered an inevitable multifactorial biological process that implicates genomic instability with altered cellular homeostasis and leads to a number of diseases. Although diverse biochemical and molecular pathways are implicated in this process, oxidative stress (OS) and inflammation are the hallmarks of aging. In fact, due to their robust antioxidant properties and minimal side effects, natural products have been increasingly explored with regard to their ameliorative effects against OS and inflammation to protect against cellular damages. Importantly, due to their increased consumption from diet and their potential development as nutraceuticals, research into naturally derived bioactive compounds has become essential to establish their therapeutic properties as anti-aging agents. Beyond their direct effects on aging, this Special Issue is open to contributions on the impact of natural products (toxicological and pharmacological aspects) on complications linked with aging, such as cancer, diabetes mellitus, and cardiovascular diseases, from preclinical models to clinical settings.

### Guest Editors

Dr. Ilenia Cirilli

Dr. Fabio Marcheggiani

Dr. Sonia Silvestri

Dr. Phiwayinkosi V. Dludla

### Deadline for manuscript submissions

closed (30 November 2023)

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

mdpi.com/journal/molecules

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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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