Special Issue

Green Compounds from Bio-Sources: Characterizations, Innovative Productions and Advanced Technological Applications

Message from the Guest Editors

This Special Issue focuses on the latest developments in the main aspects of the production of green molecules from bio and renewable sources, highlighting all the innovative technologies for their characterization, production, and sustainable application. The ambition of this Special Issue is to publish research work on innovative applications for biomass valorisation, advanced technologies for the production of green by-products and value-added compounds, advanced analytical and characterization techniques of bio-molecules, biorefinery for biomass conversion and CO2 capture, and extraction technologies and purification treatments, taking into account the concepts of circular economy and green and sustainable impacts. The production of green compounds can also lead to the formation of undesired by-products that have to be removed from the environment in order to avoid any potential contamination; therefore, this Special Issue is also presenting some advanced technologies for by-product treatment.

Guest Editors

Prof. Dr. Dino Musmarra

Department of Engineering, University of Campania "Luigi Vanvitelli", Via Roma 29, 81031 Aversa, CE, Italy

Prof. Dr. Sante Capasso

University spin-off Environmental Technologies Ltd, University of Campania "Luigi Vanvitelli", Via Vivaldi 43, 81100 Caserta, Italy

Deadline for manuscript submissions

closed (31 December 2019)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/22605

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

mdpi.com/journal/molecules

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/journal/molecules

MDPI

About the Journal

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).