

Special Issue

Biobased Compounds: Synthesis and Uses

Message from the Guest Editor

One of the great challenges of this century involves the transition from fossil-fuel-based feedstocks towards the exploitation of renewable and bio-based sources. Increasing the supply of renewable energy would allow us to replace carbon-intensive energy sources and significantly reduce global warming emissions, ozone depletion, and the adverse effects of greenhouse-gas emissions on the environment. Using biomass is an extremely delicate operation since the interaction with the food production and structure of ecosystems is extremely tied. Moreover, the quantities of traditional biomass available are limited: the intent to access sources of alternative materials, is driving the transition from 1st-generation technologies to 2nd- and 3rd-generation technologies, exploiting materials that are suitable for the recovery of renewable resources. We invite original papers, communications, and reviews on sustainable chemical technologies and processes for biomass characterization and fractionation, biomass exploitation for energy and fuels, biomass valorization as a source for bio-based platforms, and biobased molecules as starting materials for fine chemicals and polymers synthesis.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

As a new international and multidisciplinary peer-reviewed open access journal for multidisciplinary chemistry focused on chemical compounds, Compounds (ISSN 2673-6918) has been founded to publish reviews, original research papers, communications, case reports, letters, and short notes. Our goal is for Compounds to become a journal where the scientific community can present their results under open access. Our core objective is to provide high-quality research contributions in a wide range of chemistry areas. Manuscripts dealing with chemical compounds; the relationship between structure, properties, and/or functions of all kinds of compounds; as well as chemical theory and applications are welcome.

Editor-in-Chief

Prof. Dr. Juan C. Mejuto
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