Special Issue

Sustainable (Bio)Chemical Processes for Lignocellulosic and Lipid Waste Biomass Valorization to Fuels, Chemicals and Materials

Message from the Guest Editors

We invite the submission of original research papers and review articles presenting the latest achievements and trends in sustainable (bio)chemical processes for lignocellulosic and lipid biomass valorization to fuels, chemicals and materials, including the important topics of technoeconomic analysis and life-cycle assessment.

- Lignocellulosic biomass
- Lipid biomass
- Agricultural and forestry wastes
- Industrial residues and byproducts
- Food waste
- Hazardous wastes
- Biobased platform chemicals
- Biobased polymers and composites,
- Biofuels
- Biochar
- Biobased food additives
- Thermochemical and (bio)catalytic conversion
- Advanced analytical methods
- Scale-up of biomass valorization processes
- Technoeconomic analysis
- LCA
- Green chemistry and chemical technology
- Circular (bio)economy

Guest Editors

Prof. Dr. Konstantinos S. Triantafyllidis

Prof. Dr. Rafael Luque

Dr. Carol Sze Ki Lin

Deadline for manuscript submissions

closed (31 December 2022)

Sustainable Chemistry

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 10.7

mdpi.com/si/48765

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About the Journal

Message from the Editor-in-Chief

There are many issues facing society, such as energy/food/water security, plastic pollution, antibiotic resistance, global warming. To solve these (and other issues), scientists and engineers need to work together to tackle these imminent dangers. The field of Green (or Sustainable) Chemistry has been transformed in the last 30 years since Paul T. Anastas and John C. Warner pioneered the now famous “12 Principles of Green Chemistry”. The journal, Sustainable Chemistry (published by MDPI), aims to be one of the go-to journals in the area, publishing cutting-edge research in the area more broadly. The open access model allows our work to reach a broad base of readers from all corners of the world.

Editor-in-Chief

Prof. Dr. Matthew Jones
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