

Special Issue

Biofuels Production Processes

Message from the Guest Editor

The Special Issue, entitled "Biofuels Production Processes", explores innovative, sustainable, and scalable approaches to the production of biofuels, with a strong emphasis on Environmental, Social, and Governance (ESG) considerations. As the world transitions toward a low-carbon future, biofuels represent a critical solution in reducing dependence on fossil fuels and lowering greenhouse gas emissions. This Special Issue invites high-quality research, reviews, and case studies that advance the science and engineering of biofuel production—including biochemical, thermochemical, and hybrid conversion technologies—as well as process optimization, feedstock sustainability, and life cycle assessments. Contributions that explicitly address the ESG dimensions of biofuel development—such as environmental impact assessments, social acceptance, responsible sourcing, and regulatory frameworks—are particularly encouraged. We aim to foster a multidisciplinary dialogue that connects technological innovation with ethical and sustainable practices, ultimately supporting a more resilient and inclusive energy future.

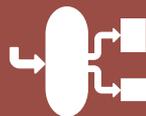
Guest Editor

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