

Editorial

Green Chemical Technology: A New Journal for Green Engineering and Green Technology

Ru-an Chi ^{1,2,*}

¹ Key Laboratory for Green Chemical Process of Ministry of Education, School of Xingfa Mining Engineering, Wuhan Institute of Technology, Wuhan 430073, China

² Hubei Three Gorges Laboratory, Yichang 443007, China

* Corresponding author. E-mail: rac@wit.edu.cn

Received: 19 June 2024; Accepted: 19 June 2024; Available online: 19 June 2024

We are delighted to introduce you to Green Chemical Technology, an international research journal focusing on aspects of the broad field of green engineering and green technology.

Chemical engineering plays an important role in social development, which makes our world colorful and greatly improves people's quality of life. However, with the rapid growth in global population and economic development, many issues, such as environment and safety, have become prominent. Therefore, the development of energy-efficient, green, and eco-friendly chemical technology is urgently needed in the field of chemical industry.

To provide a platform for researchers to exchange research findings in the field of green and efficient chemical technology, we decide to launch the journal "Green Chemical Technology". The journal will publish the most updated scientific information, emphasizing the use of environmentally friendly raw materials, efficient separation, waste treatment, and energy utilization in the technological process of the chemical industry. The journal aims to improve resource utilization and reduce the environmental impact in the chemical enterprise. This journal focuses on the innovation and sustainability of chemical technology.

The scope of Green Chemical Technology includes Green product design: (for life-cycle, recycle and re-use, efficient process, and reducing material intensity); Mining and metallurgy development and technology; Chemical synthesis (green reaction, green catalysis, green solvents, and reagents); Separation science and technology (membranes, chromatography, bioseparations, etc.); Green chemicals and energy produced from renewable resources (phosphorus- and silicon-based chemicals, microelectronic chemicals, carbon dioxide, biomass, etc.); Novel materials and technologies for energy/fuel production and storage (bio-fuels and bio-energies, hydrogen, fuel cells, solar cells, lithium-ion batteries, etc.); Green chemical engineering processes (process integration, material diversity, energy saving, waste minimization, efficient separation process, etc.); High-efficiency chemical equipment and intelligent control; Green technologies for waste recycling; Biosynthesis and biotechnology.

To be published, the work must present a significant advance in green chemical technology. Papers must include detailed research methods and techniques.

We hope that we can take this journal as an opportunity to work together to enhance chemical technology and promote social development.