

## Special Issue

# Advances in Green Chemistry and Catalytic Materials in Environmental and Energy Systems

### Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Catalytic, thermochemical, and biological processes for biomass conversion, lignin valorization, and anaerobic digestion;
- Waste-to-value technologies and circular economy strategies in chemical processing;
- Green hydrogen, biogas, and biomethane production, storage, and integration in sustainable energy systems;
- Design and application of advanced carbon-based materials for catalysis and environmental uses;
- Environmental remediation and pollution control through catalytic and sustainable approaches;
- Sustainable chemical processes and green chemistry for low-impact production;
- Integration of renewable energy sources in chemical and industrial processes;
- Process modeling, simulation, optimization, and techno-economic assessment;
- Life cycle assessment (LCA) and sustainability evaluation of chemical technologies;
- Pilot-scale studies, scale-up strategies, and high technology readiness level (TRL) approaches in sustainable chemical processes, green chemistry, and catalytic materials.

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### Guest Editors

Dr. Raúl García-Cervilla

Dr. Miguel Garcia-Rollan

Dr. Miguel Ángel Rodríguez-Cano

Dr. María del Carmen Recio-Ruiz

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### Deadline for manuscript submissions

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Sustainability

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# About the Journal

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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## Editor-in-Chief

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