

## Special Issue

# Green Chemistry and Catalysis, 2nd Edition

### Message from the Guest Editors

This Collection aims to highlight innovative research that responds to the pressing demand for environmentally sustainable chemical synthesis. We solicit submissions that illustrate how novel catalytic approaches might diminish waste, conserve energy, and harness renewable resources, thereby lessening the environmental impact of chemical processes. Topics of interest include, but are not limited to, the following:

- Sustainable Synthesis: Innovative catalytic pathways for organic transformations that emphasize atom economy, environmentally friendly solvents, and renewable feedstocks.
- Next-Generation Catalysts: The design, development, and mechanistic comprehension of high-performance catalysts.
- Energy-Driven Processes: Innovations in photocatalysis and electrocatalysis that utilize light and electrical energy to facilitate chemical reactions under mild circumstances.
- Green Engineering: The utilization of alternate energy sources alongside catalysis to improve reaction efficiency and sustainability.
- Environmental and Energy Applications: The application of catalytic technology for pollution prevention, remediation, and sustainable energy transformation.

### Guest Editors

Prof. Dr. Mohamed Mokhtar M. Mostafa

Prof. Dr. Tamer S. Saleh

Prof. Dr. Nesreen S. Ahmed

### Deadline for manuscript submissions

31 March 2026



## Catalysts

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### Message from the Editor-in-Chief

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