Topical Collection

Heterogeneous Catalysts Applied in Sustainable Chemistry

Message from the Collection Editor

The use of heterogeneous catalysis as an enabling technology in the application of environmental and sustainable chemistry is a mature, yet constantly growing field. As one of the tenets of Green Chemistry, the use of catalysts in promoting safer, more environmentally acceptable and sustainable chemical syntheses will continue to be an area of importance. This will include the development of catalysts to allow the use of non-toxic reagents, decrease required energy inputs (or permit solar powered photocatalysts), allow the use of benign solvents, and drive enantioselective reactions. All of these areas will be accompanied by the gradual replacement of critical element-containing catalysts by more earth-abundant analogs. We welcome the submission of original research papers and review articles presenting the use of heterogeneous catalysis in environmental and sustainable chemistry.

Collection Editor

Prof. Dr. James A. Sullivan

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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

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