



Green Engineering, Green Chemistry and Circular Economy: Principles, Research Areas and Challenges. Towards a Holistic View of Sustainability

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Deadline for manuscript
submissions:

30 June 2022

Message from the Guest Editors

The US Environmental Protection Agency defines “Green Engineering” as “the design, commercialization and use of processes and products that are technically and economically feasible while minimizing (1) generation of pollution at the source (2) risk to human health and the environment”. Both Green Chemistry and Green Engineering “help to balance the need quality of life improvement, while maintaining the health of humans and the environment”. In this regard, sustainability goes beyond Green Chemistry and Green Engineering concepts. Sustainability and sustainable development are ethical theories that define desirable results in a context that considers environmental, economic, and social aspects.

This SI aims to stimulate a debate on these concepts, supporting a creative and valuable discussion between leading international researchers and experts on these four reference topics: 1) green chemistry, 2) sustainable chemistry; 3) green engineering, and 4) sustainability/sustainable development/circular economy.





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Message from the Editor-in-Chief

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