



Functional Materials by Circular Chemistry Approaches

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Message from the Guest Editors

The pivotal role of chemistry appears to be well acknowledged, as chemistry offers an underlying methodological and theoretical framework for all material systems. Therefore, chemical approaches for designing and producing systems may ingeniously contribute to sustainable solutions, compliant with the relevant paradigms of a circular economy. This Special Issue intends to address different possible declinations of synthetic chemistry in tackling material and chemical production and recycling according to a "circular chemistry" approach.

This Special Issue will encompass contributions dealing with the synthesis of functional inorganic, polymeric, and organic materials using circular chemistry approaches. Emphasis will particularly be given to approaches based on the following:

- natural or recycled feedstocks
- Earth-abundant and non-critical raw materials
- LCA supported synthetic approaches
- material design for recycling
- low energy consumption and low ecological footprint
- valorisation of biomasses
- valorisation of waste





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Message from the Editor-in-Chief

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