Special Issue

Advanced Methodologies for a Circular Economy, Resource Efficiency and Sustainability

Message from the Guest Editor

Circular economy, resource efficiency, and sustainability have become key enablers for the sustainable development agenda. The extant recent literature covering these topics is mainly focused on the practical and technical levels of the actual physical flows of materials and energy, concrete metrics, tools, etc. However, the basic assumptions remain largely unexplored, causing a large number of unanswered questions in the scientific community. This SI serves as a forum to provide exploratory R&D that contains the latest significant advances in circular economy, resource efficiency, and sustainability. I invite contributions in topics that include but are not limited to advanced methodologies and selected indicators that allow formalizing connections between subsystems, develop multicriteria trade-offs of circular economy, resource efficiency, and sustainability, incorporate the social and economic dimension, and quantify uncertainties. Research works oriented toward the prediction of the behavior of the systems, assuming the implementation of circular economy, resource efficiency, and sustainability strategies with a time horizon to 2050, are also welcome.

Guest Editor

Prof. Dr. German A. Ferreira F.
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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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