



Sustainable Environmental Solutions

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Message from the Guest Editors

This Special Issue aims at collecting research activities focused on the development of new processes to replace the above-cited obsolete practices. Taking inspiration from real problems and the need to face real cases of contamination or prevent potentially harmful situations, we discuss the development and optimisation of “smart” solutions. Contributions on the following topics are particularly welcome:

- Energy and water efficiency in industry and mining
- Renewable energy resources
- Nano/microtechnologies and science for sustainable development of energy, water, and environment systems;
- Environmental management
- Modelling for pollution avoidance, energy efficiency and resources optimisation

Keywords: Environmental pollution and remediation; Resource recovery and recycling strategies; Sustainability assessment; Hazardous waste management; Water and wastewater treatment; Waste recovery, recycling and valorisation; Soil and water reclamation; Valorisation of waste-streams; Emerging contaminants; Nanomaterials; Process modelling





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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.

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