

Special Issue

Advancing a Sustainable Future: Automation, Data Analysis, Modelling, and Simulations

Message from the Guest Editors

Automation, modeling, and simulation have significantly transformed the way our ecosystems are understood and interacted with. Simulations are at the core of scientific and engineering efforts geared towards healthier ecosystems that promote sustainability. Depending on the application, automation, modeling, and simulation could be implemented in a multiplicity of ways for several use cases. As a result, there has recently been a significant increase in the application of automation, modeling, and simulation methods to improve the characterization, efficiency, and robustness of many processes and systems (e.g., climate change, energy generation, transmission and distribution, transportation, water utilization, resource use, land use, conservation, cities and communities, business practices and even lifestyles) in furtherance of sustainability. This Special Issue provides a forum for researchers and practitioners to bring these applications to the fore by prompting insightful overviews or reviews, in-depth formulations, new methodologies, and new applications.

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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