

## Special Issue

# Integrating GIS, Spatial Analysis, and AI for Sustainable Energy and Bioresource Systems

### Message from the Guest Editors

The transition toward sustainable energy systems has intensified the need for advanced analytical tools that can support efficient planning, deployment, and management of renewable energy resources. This Special Issue welcomes high-quality contributions that explore cutting-edge methodologies integrating Geographic Information Systems (GIS), spatial analysis, and artificial intelligence (AI) to address emerging challenges in the renewable energy sector. It also welcomes research articles in the domains of biofuels, environmental catalysis, and energy, particularly those that incorporate spatial analysis of resource distributions and spatially explicit assessments. Topics include but are not limited to spatial modeling, resource mapping, multi-criteria decision analysis, AI-enhanced geospatial forecasting, and integrated frameworks for sustainable renewable energy planning.

### Guest Editors

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### Deadline for manuscript submissions

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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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### Editor-in-Chief

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