



sustainability



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Advanced Energy Materials for Sustainability

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Message from the Guest Editors

Growing energy demands, limited fossil fuel availability, and environmental concerns have promoted the study and development of new ecofriendly sustainable technologies that could provide humanity with a safe and sustainable future. Advanced materials with novel structures and new application directions have the greatest potential impact on the energy society. Bioinspired advanced materials can provide clean energy resources as well as a sustainable environment, which can play a crucial role in providing new strategies to accumulate different energies using different green resources. The current Special Issue is devoted to advanced-material-based energy harvesting and storage applications using different technologies, such as piezoelectric, triboelectric, solar, supercapacitors, etc., for sustainable society developments. The motivation of the present Special Issue is to explore future strategies in the abovementioned areas using bioinspired materials, which are of great interest to the scientific community, including academic researchers, environmentalists, materials scientists, and industrialists.



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Special Issue



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Message from the Editor-in-Chief

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