

Special Issue

Impact of Renewable Energy Technologies on the Grid, Electric Vehicles and Sustainable Development

Message from the Guest Editors

In the industrialised world, reliable energy is a basic necessity, and the methods of delivering this utility service are starting to change to accommodate the development of renewable electricity. The past ten years have seen work concentrated on the technological and financial sustainability of 100% renewable energy (RE) systems, ignoring the intermediate transition pathways to get there. Studies in this field ignore important issues that still need to be tackled in the transportation, industrial, and agricultural sectors. More effort is needed to find solutions for these particular sectors, such as direct carbon dioxide removal and sector couplings to help with the quick transition to a 100% renewable system. The editors of this Special Issue encourage academics to examine the viability and future economic prospects of energy systems, as well as the social implications and environmental impacts of renewable energy sources.

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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