



Latest Trends in Development and Demonstration of Clean Energy Technologies for Sustainable Energy Production

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Message from the Guest Editors

Innovation in clean energy technology is essential to contribute to global efforts to reduce GHG emissions and for the establishment of a prosperous, low-carbon economy. Presently, renewable, clean technologies are being deployed widely throughout the globe and include large-scale and residential solar PV, concentrated solar thermal, wind, hydro, biomass, wave energy, geothermal, green fuels utilisation (including hydrogen and bio-fuels), storage technology, and their mix. The issue will contain a synthesis of the current progress status in technology development, key techno-economic benefits and challenges as well as present barriers, drivers, opportunities, enablers and pathways for a rapid deployment of these new technologies. Original research and reviews articles on smart utilisation of renewable fuels (e.g. hydrogen, biomass, bio-fuels) including clean combustion technologies, concentrated solar thermal for heat and power, innovation in storage (thermal, chemical, thermo-chemical) and other energy forms (wind, hydro, PV, geothermal) are welcome.





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