



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

Guest Editors:

**Dr. Alfonso Chinnici**

Centre for Energy Technology,  
University of Adelaide, Adelaide  
5005, Australia

**Dr. Mehdi Jafarian**

Centre for Energy Technology,  
University of Adelaide, Adelaide  
5005, Australia

**Dr. Maurizio Troiano**

Department of Chemical,  
Materials and Industrial  
Production Engineering,  
University of Naples Federico II,  
Piazzale Tecchio 80, 80125  
Naples, Italy

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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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### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

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*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
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