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Applied Solar Thermal Energy

Guest Editors:

Dr. Saim Memon

Solar Thermal Vacuum
Engineering Research Group,
London Centre for Energy
Engineering, School of
Engineering, London South Bank
University, London SE1 0AA, UK
S.Memon@lsbu.ac.uk

Dr. Ali Radwan

Mechanical Power Engineering,
Faculty of Engineering, Mansoura
University, Dakahlia Governorate
35516, Egypt
Division of Human Environmental
Systems, Faculty of Engineering,
Hokkaido University, Hokkaido
060-0808, Japan
Ali.radwan@ejust.edu.eg

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is dedicated to solar thermal energy technologies, and we invite research scholars to submit their outstanding original research contributions in this area. The Special Issue will cover, but is not limited to, the advancements in (1) the field of materials in improving the electrical power efficiency of solar thermal collectors and hybridization with photovoltaic (PV) modules; (2) the design and development of concentrated solar power (CSP) systems to improve thermal energy efficiency that will, subsequently, improve electrical power efficiency; and (3) waste heat energy storage and phase change material (PCM) with vacuum insulation and hybridization of transparent PVs. In recent years, photovoltaic–thermal hybrid technologies have been popular, but there are significant challenges in having a clear view on their conversion efficiencies, stability, and limitations; authors are therefore also encouraged to submit their validated original research findings in this area.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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Energies
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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