

## Special Issue

# Advances in Solar Energy Harvesting and Thermal Storage

### Message from the Guest Editors

Solar energy is arguably the most abundant renewable energy source in nature. However, it presents some criticalities that make it difficult to exploit it massively, first of all, the low energy density and the intermittence of its availability. Technological advances tend to address these difficulties by improving solar energy capture efficiencies and storage systems. The capture efficiency is greatly influenced by the temperature of the heat transfer fluid. This particularly high temperature in concentrating systems poses problems both for the fluids to be used and for the storage systems affected by greater heat losses. The Special Issues will deal with the most recent advances in these energy issues and will represent an interesting focus on the optimal use of solar energy. The overall objective of this Special Issue is to provide a comprehensive view on the technological developments in solar energy capture and its storage in a thermal way and to disseminate the current state of the art in research in the field.

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### Guest Editors

Prof. Dr. Amoresano Amedeo

Prof. Dr. Giuseppe Langella

Dr. Paolo Iodice

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### Deadline for manuscript submissions

closed (15 January 2024)



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