

Special Issue

Solar Energy Collection, Conversion and Utilization

Message from the Guest Editors

Solar energy conversion systems represent a strong opportunity for low-cost electricity, heat production, and even thermochemical processes. These systems, which are associated with thermal storage systems (latent or sensible heat), are a promising alternative for the electrification of processes and technologies, and could result in immediate technical and technological realization in residential/services sectors.

The range of technologies fitting the scope of such processes is wide (e.g., flat plate collectors, evacuated collectors, CPC-type collectors, linear Fresnel reflectors, parabolic troughs, central tower receivers, etc.), depending upon the desired operating temperature for each process. This Special Issue invites original review articles on recent advances in solar energy collection systems concerning the abovementioned topics, with an emphasis on new developments of this technology seeking maximum performance and cost-effectiveness.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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