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Development, Design, Production and Environmental Analysis of Advanced Solar Thermal Collectors and Heat Storage Systems

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Message from the Guest Editor

Dear Colleagues,

Solar thermal systems comprising collector and storage tanks at the same unit belong to the category of low-cost solar devices that mainly cover needs for domestic applications. The development of these systems has been discussed in detail in several works in the last two decades. Among these works, there are some of great interest, combining techniques as vacuum and/or phase change materials (PCM). The scope of this Special Issue is to present recent advances in the development, design, production, and study, either theoretically or experimentally, of advanced solar thermal systems with the above characteristics. Of special interest will be the environmental impacts and life cycle assessment of these systems.

Prof. Dr. Spiros Papaefthimiou
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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