Call for Papers: Special Issue of Energy Efficiency

"Renewable Energy (RES) Technologies in Building and Built Environment"

Full submission **deadline: 31st December 2021**

The **Energy Efficiency** (https://www.springer.com/journal/12053) is a hybrid publishing Journal (with or without open access publication fee) which covers wide-ranging aspects of energy efficiency in the residential, tertiary, industrial and transport sectors. Coverage includes a number of different topics and disciplines including energy efficiency policies at local, regional, national and international levels; long term impact of energy efficiency; technologies to improve energy efficiency; consumer behavior and the dynamics of consumption; socio-economic impacts of energy efficiency measures; energy efficiency as a virtual utility; transportation issues; building issues; energy management systems and energy services; energy planning and risk assessment; energy efficiency in developing countries and economies in transition; nonenergy benefits of energy efficiency and opportunities for policy integration; energy education and training, and emerging technologies.

We are pleased to announce our Call for Papers for a Special Issue on the topic of "Renewable Energy (RES) Technologies in Buildings and Built Environment" to be guest-edited by Dr. Apostolos Michopoulos, and Assoc. Prof. Vasiliki Skoulou.

The world energy production system is today in the crossroad of changing from the application of centralized power production based on fossil fuels to the local-decentralized one, in which the renewable energy (RES) technologies associated with a conceptual energy management system is going to play the key-role. Integration of RES technologies in buildings and built environment have been rapidly grown in last decades, and this trend should be strained in order to meet the energy and environmental targets of UN Framework Convention on Climate Change (UNFCCC). Among the classic and well-developed technologies, such as solar, hydro and biomass, new technology challenges coming into the light. Enhanced geothermal systems, hydrogen, ocean and tidal technologies are some good examples of the forthcoming competitive technologies of the energy market. Within this framework, this special issue is intent to shade light on existing and future development of efficient RES technologies.

The special issue includes, but not limited to, the following themes: (a) solar, (b) shallow and deep geothermal, (c) biomass, (d) wind, (e) hydro, (f) ocean and tidal energy and technologies, (g) analysis and energy efficiency of existing and future energy technologies, (h) energy efficiency models for RES integration into future cities, (i) Sectoral modeling of RES, (j) RES monitoring in development countries and economies in transition (k) assessment of RES policies/measures, (l) other topics relevant to RES technology efficiency modeling, development, and policy.

Submission and guidelines this Special Issue solicits original work that must not be under consideration for publication in any other journal and copyrighted conference proceedings/books. Submitted manuscript needs to make an explicit statement of its relevance to the Special Issue. All submitted contributions must be written in English and follow the "Instructions for Authors" of Energy Efficiency (see https://www.springer.com/journal/12053/submission-guidelines).

While it is not compulsory, authors are encouraged to send an abstract to the guest editors (via apmich@auth.gr) for confirmation on the suitability to the special issue. All manuscripts and any supplementary material must be submitted through the Springer Editorial Manager system (https://www.editorialmanager.com/enef/default.aspx). The submissions will be handled immediately once they are received by the journal.

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