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Experimental Development, Thermodynamic/Thermo-Fluid Dynamic Analysis and Optimization of Cogeneration Systems and Polygeneration Plants

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Message from the Guest Editors

Dear Colleagues,

Although they have been investigated for many decades as stand-alone solutions, combined heat and power (CHP) and combined cooling heat and power (CCHP) systems have been objects of renewed interest in recent years. This is mainly due to their possibility of being integrated by further conventional or renewable technologies, thus constituting the main sub-systems of local, small, or medium-scale polygeneration plants. In fact, the exploitation of renewable energy sources and energy-saving techniques has become mandatory to meet the required energy demand while mitigating anthropogenic carbon dioxide emissions. In this context, the increasing attention given to CHP/CCHP and polygeneration plants is due to their potential to ensure significant primary energy savings in the framework of a distributed multi-energy generation system.

Therefore, the purpose of this Special Issue is to collect high-quality research papers and review articles dealing with CHP/CCHP and polygeneration systems...

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Special Issue



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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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