



The Potential Role of Renewable Energy Sources (RES) in Combined Heat and Power (CHP) and Polygeneration Systems

Guest Editor:

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Message from the Guest Editor

Combined Heat and Power (CHP) refers to a set of technologies, many of which are well-established, in the industrial, as well as in the civil and tertiary, sectors. There are various well-known applications that range over a very wide range of sizes.

Recently, the interest of political decision makers has become increasingly evident, but also of the operators of the industrial sector, regarding the energy transition towards renewable energy sources (RES). In many cases, the harvesting difficulties and the intrinsic characteristics of these renewable energy sources (solar thermal, geothermal, biomass, etc.) make the almost complete exploitation of the harvested energy practically inevitable when seeking to reach the economic feasibility of the investment. The combined production of heat and power and the polygeneration of heat, power, and any other energy or chemical vector may be regarded as the main options to obtain such a complete exploitation of harvested renewable energy.





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