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## Advanced Hydrogen Technologies for Energy Production, Accumulation, Distribution and Energetic Equipment Repair

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Deadline for manuscript submissions:

**23 January 2025**

### Message from the Guest Editor

Topics of interest in this Special Issue include the durability and long-term service of hydrogen turbines and hydrogen cooling turbogenerators, engine combustion chambers fueled by hydrogen-containing environments, hydrogen turbine discs and blades, the hot tracks of turbines, hydrogen cooling systems of turbogenerators, injectors and injection pumps based on the application of a new generation of hydrogen-resistant structural materials.

This Special Issue will focus on novel technologies of energy production on fossil and nuclear power plants, energy accumulation and distribution in large agglomerations using buffer infrastructure and grid connections, the repair and thermal protection of energetic equipment, taking into account hydrogen embrittlement in the course of long-term service, and determining the influence of hydrogen-containing fuels and lubricant-cooling environments on the durability of a new generation of structural materials.

It is recommended to send a tentative title and a short summary of the manuscript to Energies Editor Ms. Cicilia <cicilia.liu@mdpi.com>.



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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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