

Special Issue

Selected Papers from the RH2EDIN_2025: Renewables for Industrial Defossilization

Message from the Guest Editors

Energy transition is already a reality; however, it still requires ethical frameworks, policies, strategies, and technologies to evolve successfully toward a model that balances socio-economic development, decarbonization/defossilization, the preservation of habitats, fauna, and flora, and the capacity of ecosystems to sustain productive activities within a regenerative and sustainable framework. In this context, circular and blue economies take a leading role, supported by technologies increasingly aligned with the natural functioning of ecosystems. Reflecting the themes of *"Selected Papers from the RH2EDIN_2025: Renewables for Industrial Defossilization"*, this conference and, consequently, this Special Issue, invite high-quality critical reviews, short communications, and original research on the science and engineering of renewable energies and the role of hydrogen in energy transition. Particularly welcome are contributions focused on optimization and novel renewable energy sources that minimize potential negative impacts, as well as advances in infrastructure, transportation, storage, and applications highlighting the key role of hydrogen within this framework.

Guest Editors

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