

Special Issue

Hybrid Nuclear-Renewable Energy Systems

Message from the Guest Editors

As the world moves towards a low carbon future, the role of nuclear, renewables and their associated firming technologies in the form of gas, hydro and batteries are gaining a higher profile. Renewables have been extremely popular for their falling prices, fast roll out and zero fuel costs, but their protracted deployment has created other challenges in the form of increased gas usage and unpredictable availability, which could lead to grid instability. Hydro-power is a good partner to renewables but its deployment is limited by geography. Battery storage technology has improved greatly over the years, yet economic deployment remains elusive. Finally nuclear remains a primary contributor to low carbon energy, but its long deployment timeframes, large upfront costs and perceived safety concerns have constrained its deployment in the West. This journal will be a timely overview of all these technologies working not only individually but also as an interconnected system.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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