

Special Issue

Advances in Clean and Sustainable Energy Research

Message from the Guest Editors

This Special Issue aims to gather contributions in the fields of advances in clean energy research, energy economics, and energy policy to share up-to-date research results. Topics are but not limited to:

- Wind, solar, biomass, and geothermal energies;
- Ocean energy harvesting;
- Energy efficiency in buildings and appliances;
- Smart grids and microgrids for green electricity;
- CO₂ capture and storage;
- Fossil-fuel power stations with CO₂ sequestration;
- Underground and gas network storages;
- Future high-capacity energy storages;
- Future battery technologies;
- Power-to-gas/gas-to-power solutions;
- Green fuel/energy for mobility;
- Efficient long-distance transmission in supergrids;
- Efficient AC/DC/AC energy conversion;
- Sector coupling for energy creation and storage;
- Sector coupling at the consumer side;
- Coupling conventional with green power stations;
- Measuring and filtering harmonic oscillations in smart grids;
- Network stability before/after energy transition;
- Critical smart-grid states and counter measures.

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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