



Advances in Clean and Sustainable Energy Research

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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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Editor-in-Chief

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Message from the Editor-in-Chief

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