Energy Science & Engineering

Editor-in-Chief: Tomas Kberger

DESCRIPTION

*Energy Science & Engineering* is a peer reviewed, open access journal dedicated to fundamental and applied research on energy and supply and use. Published as a co-operative venture of Wiley and SCI (Society of Chemical Industry), the journal offers authors a fast route to publication and the ability to share their research with the widest possible audience of scientists, professionals and other interested people across the globe. Securing an affordable and low carbon energy supply is a critical challenge of the 21st century and the solutions will require collaboration between scientists and engineers worldwide. This new journal aims to facilitate collaboration and spark innovation in energy research and development. Due to the importance of this topic to society and economic development the journal will give priority to quality research papers that are accessible to a broad readership and discuss sustainable, state-of-the-art approaches to shaping the future of energy. This multidisciplinary journal will appeal to all researchers and professionals working in any area of energy in academia, industry or government, including scientists, engineers, consultants, policy-makers, government officials, economists and corporate organisations.

Topics include, but are not limited to the following areas:

**General Energy**
- Environmental impact of production of electricity, heat and fuels
- Energy efficiency: built environment, industry and transport
- Energy systems
- Economics Policy, legislation and planning
Life cycle analysis

Energy Policy

**Fossil Fuels**
Coal Natural gas and petroleum
Carbon capture and storage/sequestration (CCS)
Reduction of other pollutants (NOx, SOx etc)

**Energy Storage**
Thermal energy storage
Chemical energy storage

**Nuclear Energy**
New fuel sources
Nuclear reprocessing & breeder reactors
Subcritical reactors
Waste reduction/management
Safety

**Renewable Energy**
Bioenergy, biofuels and co-production with other products
Solar energy and photovoltaics
Hydrogen, batteries & fuel cells
Wind energy
Marine energy & hydropower
Geothermal energy
Other renewables

**Power Engineering**

Electric power systems
Electric power electronics
Cogeneration: combined heat and power
Distributed power generation
Microgeneration
Power distribution and grid modernisation
Power management and modelling

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