Introduction for Energy

This Section on Energy invites high quality unpublished multidisciplinary research and review articles on state-of-the-art energy technology. The primary focus is on recently developed energy technology which is clean, sustainable and highly efficient, along with traditional fossil fuel based energy resources. More specifically, we encourage articles in the areas of energy conversion and efficiency, renewable and sustainable energy sources, including their applications, energy storage, and harvesting, energy transportation, smart grid, internet of energy, etc., covering all three major facets of energy in generation, transmission, and distribution. *Applied Sciences* in general and this Section on Energy in particular offers a high-quality peer review followed by a rapid publication decision.

Author Benefits

- **Impact Factor 1.689** (2017 Journal Citation Reports) 5-Year Impact Factor 1.859
- **CiteScore (Scopus, 2017)** 1.98
- **Coverage by Leading Indexing Services** SCIE-Science Citation Index Expanded (Clarivate Analytics, formerly Thomson Reuters), INSPEC (IET), Scopus (Elsevier)
- **Fast Manuscript Handling time** 2018 Median APT: 37 days
- **Open Access** Unlimited and free access for readers
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Subject Area

- **Energy Conversion and Efficiency**
  - Gas Cycles
  - Steam Cycles
  - Energy Recovery
  - Diesel Engines
  - Combined Cycles
  - Supercritical Steam Cycles
  - Combustion
  - Emission Control
  - Electrical Energy Generation and Conversion
  - Heat Convection
  - Thermal Energy Storage
  - Heat Pumps
  - Thermodynamics

- **Fossil Fuels**
  - Natural gas
  - Petroleum (upstream & downstream)
  - Gasoline demand analysis
  - Coal and Lignite
  - Natural Gas
  - Oil and Oil Shale
  - Demand
  - Industry and Refineries
  - Mining
  - Supply
  - Pricing and Policy
  - Coal Gasification

- **Renewable & Green Energy**
  - Photovoltaic
  - Wave Power
  - Tidal Power
  - Thermal Solar Power
  - Ocean Thermal Energy Conversion
  - Hydro Power

- **Wind Energy**
  - Fluctuations in Wind Speed and Production
  - Wind Energy Potentials
  - Wind Turbine Designs
  - Wind Farms
  - Planning and Project Development

- **Solar Energy**
  - Solar Modeling
  - Solar Radiation
  - Solar boilers

- **Biofuels and Biomass**
  - Palm Oil
  - Biodiesel
  - Biogas
  - Biofuel
  - Biomass
  - Charcoal
  - Gasification
  - Combustion/Incineration
  - Pyrolysis
  - Waste

- **Nuclear Energy**
  - Uranium
  - Nuclear Safety
  - Nuclear Power

- **Systems, Storage & Harvesting**
  - Hydrogen
  - Fuel Cells
  - electrolyzes
  - Battery technologies
  - Pumped Hydro
  - Flywheel
  - Superconducting Magnetic
  - Supercapacitors
  - Energy harvesting
  - MEMS

- **Energy and Transportation**
  - Transportation and Energy
  - Scenarios and Forecasting
  - Emerging Technologies
  - Electric Vehicles
  - Underground (Metro)
  - Automobiles and Gasoline
  - More Electric and Full Electric Aircrafts
  - Marine technology