Special Issue

Natural Polymers Application in Fuel Cell Technology

Message from the Guest Editor

Fuel cells are electrochemical, environmentally friendly appliances operating in clean, simple, and efficient conditions, which aim to convert chemical energy into electricity. With the technological surge in the field of information science, electronic miniaturization, and the continuing need for mobility, there have been growing demands for portable energy sources, such as fuel cells. Great achievements are reported on this matter, especially in terms of highly selective proton conductivity, extraordinary mechanical and chemical resistance, lower costs, and environmentally friendly characteristics. Therefore, we believe that a Special Issue of the most recent research papers dealing with natural polymers as a key material for fuel cell applications can benefit the scientific community. Potential topics include, but are not limited to:

- Proton exchange membranes;
- Cellulose-based membranes for fuel cell;
- Proton conductivity;
- Biobased membranes;
- Supramolecular architectures for ionic conductivity;

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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