Special Issue

Ion Exchange Membranes for Energy and Environmental Applications

Message from the Guest Editors

Ion-exchange membranes (IEMs) comprised of charged ion groups attached to a polymeric backbone. Dissolved ions are transported across the conductive polymeric membrane. Ion exchange membranes have received much research attention for energy and environmental applications. The IEMs have been used in water processing, management of effluents from mining industry, hydrometallurgy, and paper and pulp industry. Recently, IEMs has been applied in diverse electrochemical technologies such as next generation of fuel cells, electrolyser, metal-air batteries, redox flow batteries, actuators, reverse electrodialysis and carbon capture by electrochemical CO2 pumps. This has led to a steady growth in industrial applications for IEMs over years. This special issue welcomes articles on different aspects of membrane preparation, membrane characterization, membrane applications, transport characteristics, environmental problems among others.

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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