Special Issue

Nanomaterial-Based Membranes and Applications

Message from the Guest Editor

Over the last decade, nanomaterial-based membranes have generated significant momentum in the scientific community and now stand at the forefront of many advanced separation technologies and applications. For example, as a result of an ever-increasing global population with regions of expanding industrialization in locations where water scarcity is already an issue, such nanomaterial-based membranes have demonstrated their potential to help meet the future demand for economical sources of freshwater. Similar to freshwater, Fossil fuels have a limited global supply. Such nanomaterial-based membranes have advanced the development of fuel cells and energy storage devices that could work in conjunction with natural renewable energy sources, and these membranes have found further implementation in biosensors used to detect DNA. The potential and diversity of nanomaterial-based membranes are vast, as is their prospective application across many disciplines.

Guest Editor

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