Membrane Separation Techniques – Optimization and Application

Message from the Guest Editor

Membrane separation is an established technique used for processing in a wide range of industries, including water treatment, energy generation, biotechnology, food processing, and pharmaceutical production. The rationale for this Special Issue that will act as a forum to present the latest developments and opportunities for the application of membrane separation techniques. (SI link: www.mdpi.com/journal/applsci/special_issues/Membrane_Separation_Techniques)

We invite authors globally to contribute original research articles and review papers defining the most recent developments and ideas in the application and optimisation of membrane separation techniques.

Potential topics include, but are not limited to, the following:

- Development of membrane separation techniques
- Application of membrane techniques
- Optimisation methods for improved application of membranes
- Characterisation of membranes
- Novel configuration of membrane processes
- Fabrication and modification of membranes
- Case study of membranes applied in industry
- Fouling/biofouling of membranes

Keywords: Membranes, Separation, Water treatment, Fouling, Filtration, Osmosis, Membrane distillation