Special Issue

Membranes in Renal Replacement Therapy

Message from the Guest Editors

Renal failure is a growing health problem with high health care costs, and renal replacement therapy, also known as blood purification, removes excessive body fluid and toxic solute across a semipermeable membrane, enabling patients to live a normal life. Artificial membranes initially designed for industrial use, like ultrafiltration membrane, reverse-osmosis membrane, dialysis membrane and microfiltration membrane, almost all have their therapeutic applications. In this Special Issue, we aim to cover the latest developments and innovations regarding membranes in renal replacement therapy. Potential topics include, but are not limited to, the following:

- History, present, future of hemodialysis membrane
- Polymeric membrane and other various membranes used in hemodialysis
- Physical and chemical characteristics of continuous blood purification membrane
- Membranes for cytokine removal in blood purification therapy
- Peritoneal membrane
- Microfluidic device and electrospinning technology for dialysis membrane
- New therapies that utilize membranes (such as on-line haemodiafilitration)
- Nanotechnology in blood purification membrane

Guest Editors

Prof. Dr. Chih-Ching Lin

1. Division of Nephrology, Department of Medicine, Taipei Veterans General Hospital, Taipei City 11217, Taiwan
2. School of Medicine, National Yang Ming Chiao Tung University, Taipei 112304, Taiwan

Dr. Szu-yuan Li

1. Division of Nephrology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan
2. School of Medicine, National Yang Ming Chiao Tung University, Taipei, Taiwan

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Membranes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
membranes@mdpi.com

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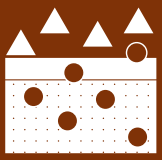

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Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open accessjournal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
School of Chemistry, The University of Melbourne, Melbourne, VIC 3010, Australia

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