

## Special Issue

# Inorganic Membranes for Large Scale Applications

### Message from the Guest Editor

Inorganic membranes have received renewed interest since 1985 for applications in advanced gas separation and water treatments. Compared to polymeric membranes, they have a higher cost, which is offset by their better thermochemical stability, higher selectivity, absence of swelling, and incompressible pore structures. New methods for low-carbon energy conversion and the removal of molecular contamination from water are emphasizing the need for the timely commercialization of these promising concepts. In view of your expertise in this field, we invite you to contribute original works on the utilization of inorganic membranes in viable large-scale applications. The papers will be published in the journal *Inorganics*, which focuses on inorganic materials science. Consequently, we anticipate papers exploring continuous inorganic structures on inorganic and polymeric supports. Both metallic and non-metallic porous and dense structures are of interest. We encourage studies that consider high-definition microstructures, defect control, detailed micro-structural characterization, long-term operational stability, and cost-effectiveness.

### Guest Editor

Prof. Dr. Hendrik Verweij

Faculty Emeritus, Materials Science and Engineering, The Ohio State University, Columbus, OH, USA

### Deadline for manuscript submissions

closed (30 November 2024)



## Inorganics

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## About the Journal

### Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

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### Editor-in-Chief

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