



## Selected Papers from the 16th International Conference on Catalysis in Membrane Reactors (ICCMR16)

Guest Editors:

**Dr. Josè Luis Viviente**

**Prof. Dr. Fausto Gallucci**

**Dr. Alfredo Pacheco Tanaka**

Deadline for manuscript  
submissions:

**closed (30 April 2024)**

### Message from the Guest Editors

The specific program covered the following sections:

#### 1. Basics

- Catalytic Membrane Reactors (one-phase and multiphase systems).
- Catalytic Membrane Reactors (with catalytic membranes) vs. Inert Membrane Reactors (with inert membranes).
- Catalysts and membrane design for process intensification.
- Modelling and simulation for process optimization.

#### 2. Applications

- Large-scale membrane reactors and membrane techniques integrated with industrial processes.
- Photocatalytic membrane reactors and membrane reactors utilizing other advanced oxidation processes.
- Electrochemical devices and transport applications of membrane reactors (fuel cells, electrolysers, electrochemical synthesis, etc.).
- Membrane bioreactors in wastewater treatment and biotechnology (cells and enzymes).
- Other membrane reactor applications (e.g., artificial organs and tissue engineering, etc.).





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## Editor-in-Chief

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