



## **Ion and Molecule Transport in Membrane Systems 2.0**

Guest Editor:

**Prof. Dr. Victor V. Nikonenko**

Department of Physical  
Chemistry, Kuban State  
University, 149 Stavropolskaya  
st., 350040 Krasnodar, Russia

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submissions:

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### **Message from the Guest Editor**

A description of ion and molecule transportation through all kinds of membranes, similarities in the behavior of biological and artificial membranes; biomimetic structural features of artificial membranes and their impact on membrane properties and performance for separation processes; the physico-chemical and chemico-physical aspects of ion and molecule transportation; the equilibriums and kinetics of transportation processes in membrane systems; the coupling of ion and molecule transportation with chemical reactions and catalysis; the impact of forced and natural convection on ion and molecule transportation; the mechanisms of electric current-induced convection and their impact on ion and molecule transportation across membranes; concentration polarization and the coupled effects occurring in membrane systems under the action of external pressure and electric driving forces (external pressure and electric potential gradients applied to a membrane); and the physico-chemical and chemico-physical aspects of transportation, separation, purification, and fractionation of organic acids, bioactive compounds, ampholytes, and nutrients, in membrane systems.





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Department of  
Odontostomatologic and  
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Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

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