

## **SIMI SCIENTIFIC COMMITTEE**

*Section: Sustainable Environmental Technologies*

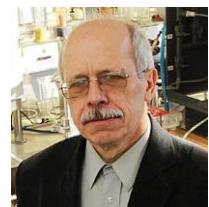
**Prof. Dr. hab. Stanislaw Koter**

**ACTUAL POSITION**

**Professor**

**Nicolaus Copernicus University in Torun, Faculty of Chemistry**

**7, Gagarina Str., 87-100 Torun / Poland**



### ***ACADEMIC QUALIFICATION***

***D.Sc. (habilitation) - graduated in 2001 from Nicolaus Copernicus University in Torun (Poland).***

***Ph.D. - graduated in 1985 from Nicolaus Copernicus University in Torun (Poland)***

***M.Sc. in Chemistry - graduated in 1979 from Nicolaus Copernicus University in Torun (Poland)***

### ***RESEARCH INTEREST***

***Theoretical and experimental studies of membranes and membrane separation techniques with polymeric membranes: investigations on properties and transport phenomena especially in electro-, pressure- and concentration-driven processes (electrodialysis, electro-electrodialysis, electrodialysis with bipolar membrane, diffusion dialysis, Donnan dialysis, nanofiltration, ion permeation through liquid membranes).***

### ***SCIENTIFIC PUBLICATIONS***

***The chosen publications (2013-2017):***

- ***S. Koter, P. Szczepański, M. Mateescu, G. Nechifor, L. Badalau, I. Koter, Modeling of the cadmium transport through a bulk liquid membrane, Separation and Purification Technology 107 (2013)135-143***
- ***S. Koter, M. Kultys, B. Gilewicz-Łukasik, I. Koter, Modeling the transport of sulfuric acid and its sulfates ( $MgSO_4$ ,  $ZnSO_4$ ,  $Na_2SO_4$ ) through an anion-exchange membrane, Desalination 342 (2014) 75–84.***
- ***S. Koter, A. Kujawska, W. Kujawski, Modeling of transport and separation in thermopervaporation process, Journal of Membrane Science, 480 (2015) 129-138.***
- ***S. Koter, P. Chojnowska, K. Szynkiewicz, I. Koter, Batch electrodialysis of ammonium nitrate and sulfate solutions, Journal of Membrane Science 496 (2015) 219-228.***
- ***P. Cytarska, S. Koter, G. Trykowski, L. Stobiński, Filtration properties of membranes with active graphene oxide layer, Desalination and Water Treatment, 64 (2017) 350–358.***
- ***M. Wiśniewski, S. Koter, A.P. Terzyk, J. Włoch, P. Kowalczyk,  $CO_2$  - reinforced nanoporous carbon potential energy field during  $CO_2/CH_4$  mixture adsorption. A comprehensive volumetric, in-situ IR, and thermodynamic insight, Carbon (2017) <https://doi.org/10.1016/j.carbon.2017.06.057>.***