

Water treatment

- P 1.1 **Real-Time Fluid Dynamics Analysis for Surface-Patterned Thin-Film Composite Membranes in Spacer-Filled Channel using Particle Image Velocimetry;** [Maharshi Patel](#); University Duisburg-Essen
- P 1.2 **Ion Exchange Behavior in Polyelectrolyte Multilayer Nanofiltration Membranes: Impact on Salt Rejection Measurements**
[Áron Bóna](#); University of Pannonia
- P 1.3 **Biofouling visualization in spacer-filled membrane filtration channels using OCT and CT**
[Kees Theo Huisman](#); Hamad Bin Kalifa University
- P 1.4 **A three-step water remediation scheme for contaminant removal and recovery of valuable species**
[Subhash Kumar](#); Indian Institute of Science
- P 1.5 **Extraction of curcumin and its concentration using organic solvent nanofiltration**
[Milana M. Mavinkurve](#); Indian Institute of Science
- P 1.6 **Preparation and characterization of metal organic frameworks/graphene oxide composite membranes for water purification**
[Mustafa Ersöz](#); Selcuk University

Membranes

- P 2.1 **Fabrication and characterization of anti-biofouling membranes immobilized with live quorum-quenching bacteria using polymers**
[Jinwoo Kim](#); Kyungpook National University
- P 2.2 **Recycled polycarbonate as source material for membrane preparation via NIPS**
[Daniel Breite](#); IOM Leipzig
- P 2.3 **Nutrient recovery using ceramic membrane contactors**
[Sarah Trepte](#); Fraunhofer IKTS
- P 2.4 **Effect of crosslinking on the properties of polystyrene-co-vinylbenzyl chloride copolymer based anion exchange membrane for fuel cells;** [Züleyha Saraç](#); Gebze Technical University
- P 2.5 **Effect of quarternization agent on the ionic conductivity of polysulfone/MXene nanocomposite anion exchange membranes**
[Çiğdem Taşdelen-Yücedağ](#); Gebze Technical University
- P 2.6 **Formation and Characterization of Controlled Porous Membranes Using Block Copolymers**
[Didem Aydın](#); Selcuk University
- P 2.7 **Transport of methylene blue dye into graphene-based polymeric membrane**
[Ilkay Hilal Gübbük](#); Selcuk University

Electrodialysis

- P 3.1 **Circular chemical use: producing acid and base with bipolar electrodialysis from IEX regenerate**
[Timon Rijnjaarts](#); KWR Water
- P 3.2 **An ultra-high pressure osmotic membrane module and apparatus for osmotic energy and desalination of hypersaline brine: design, construction and evaluation;** [Haofei Guo](#); SaltPower
- P 3.3 **Optimizing bipolar membrane electrodialysis for continuous carbon capture with an alkaline absorbent**
[Sara Vallejo Castaño](#); Wetsus
- P 3.4 **Testing of Electrodialysis with bipolar membrane at semi-industrial scale for in-situ reactant production**
[Antonia Filingerì](#); University of Palermo
- P 3.5 **Determination of selectivity coefficients of ion exchange membranes at various process conditions**
[Natália Václavíková](#); MemBrain
- P 3.6 **The use of membrane processes for lithium carbonate production – a comparative study between electrodialysis and membrane crystallisation;** [Veronika Kúdelová](#); MemBrain

Poster program

Energy applications

- P 4.1 **Thin-Film Nafion-Polyethylene Composite Separator Membranes for Zinc Polyiodide Flow Battery**
[Anupam Das](#); University Duisburg-Essen
- P 4.2 **The roles of the membrane in the alkaline water electrolysis in interplay with water components**
[Ankitkumar Kansara](#); University Duisburg-Essen
- P 4.3 **The Ultimate project: A Case Study on Resource Valorization with Electro-chemical membrane processes from Greenhouse Wastewater**; [Tavishi Guleria](#); KWR Water

Health

- P 5.1 **Novel Membrane Oxygenator with Combined Kidney Support – From Membrane Bundle Parameters to Device Development**
[Ana Martins Costa](#); University of Twente
- P 5.2 **Mechanical Stability of Microporous Membranes for Liquid Atomization and Dosing**
[Rene Pfister](#); Ostschweizer Fachhochschule
- P 5.3 **3D printing of a microfluidic oxygenator**
[Wiebke Wiessner](#); RWTH Aachen University

Biotechnology

- P 6.1 **Inoculation techniques of single capillary membrane with *Streptomyces coelicolor***
[Piroska Lajtai-Szabó](#); University of Pannonia
- P 6.2 **Analysis of Impeller-Induced Shear Stress Distribution on a Membrane Surface in a Circular Test Cell for Porous Membranes.**
[Masoud Haghshenasfard](#); TU Dresden

Process engineering

- P 7.1 **Hybrid separations for solvent recovery, distillation versus with pervaporation – an economic comparison**
[Elmar Boorsma](#); Pervatech
- P 7.2 **Organic Solvent Nanofiltration and Data-driven Approaches**
[Pieter-Jan Piccard](#); vito
- P 7.3 **Predicting Protein Rejection In Membrane Separations Using Machine Learning Techniques**
[Gbenga Daniels](#); Louisiana State University
- P 7.4 **Statistical Investigation of Gypsum Crystallization Kinetics**
[Azmain Akib Akash](#); Louisiana State University
- P 7.5 **Membrane contactors and potassium-based solvents for biogas upgrade and direct CO2 utilization**
[Dimitrios Koutsonikolas](#); Centre for Research & Technology Hellas
- P 7.6 **INNOMEM – Open Innovation Test Bed For Nano-Enabled Membranes**
[Kristianne Tempelman](#); EMI Twente
- P 7.7 **The Open Membrane Database: a data hub for membrane technology**
[Stefan Herrmann](#); University of Twente

Gas and vapor separation

- P 8.1 **Development of a Hollow Fiber Membrane Based Enthalpy Exchanger**
[Lisa Krüger](#); RWTH Aachen University
- P 8.2 **Polymer Blending for Advanced Gas Separation Membrane Materials**
[Pieter-Jan Piccard](#); vito