

**Memtek 2023 Poster Presentations**

No	Title	Authors
92	Treatment of Geothermal Waters with Membrane Processes and Reuse Applications	Saadet Acar, Hasan Köseoğlu
93	Boron Removal by Polyol Complexation from Geothermal Water	Saadet Acar, Hasan Köseoğlu
94	Investigation of the treatment of microplastics in water ecosystems with membrane technologies	Elif Karaagaclioglu, Bilgehan Ilker Harman
95	A Promising Extraction Technique For Analytical Chemistry: Electro-Membrane Extraction	Emine Nakilcioğlu
99	High Flux <i>Tert</i> -Butyl A-(Hydroxymethyl)Acrylate Ether Dimer Cyclopolymer / Cellulose Acetate Blend Composite Membranes for Desalination	Nihan Birgün, Serkan Ünal, Selda Erkoç Ilter
105	Investigation of Membrane and Different Treatment Techniques to Enhance Dairy Wastewater Treatment	Szabolcs Kertész, Aws Nawfal Al Tayawi, Gréta Gergely, Tamás Szabó
113	Desalinated Water Usage in Agriculture	Emine Çelik Sürek, Bilgehan İlker Harman
131	Production of Mineraally Balanced Water Using Modified Reverse Osmosis Membranes	Oleksii Homaniuk, Artem Tyvonenko, Tatiana Mitchenko, Sergey Vasilyuk
136	Wastewater of Fishing Process Mobile Type Recovery System	Buse Kuzucu, Burak Güngör
137	Mobile Type Filter Test Unit	Petek Elif Fidan, Mahmut Sürücü

141	Citric Acid- and Dimer Diol-Based Polyester Membranes for Food Packaging Applications	Sara Aghaeinejad Ajbisheh, Bihter Zeytuncu, Emrah Çakmakçı
153	Doping of Polymeric Ultrafiltration Membranes with Polyaniline-Coated Halloysite Nanotubes and Characterization by Proton Microbeam Microscopy	Soufiane Boudjelida, Mauro Carraro, Monica Bianco, Alessandra Zizzari, Elisabetta Perrone, Francesco Galiano, Alberto Figoli, Lucio Maruccio, Gianluca Quarta, Lucio Calcagnile, Maura Cesaria, Giovanna Vasco, Valentina Arima, Souad Djellali
155	Development of Polysulfone Membrane Blended with Amino Acid-Modified Mo <sub>2</sub> Ga <sub>2</sub> C MAX Phase for Dyes/Inorganic Salts Separation	Samira Jabbarvand Behrouz, Alireza Khataee, Vahid Vatanpour, Mahdie Safarpour, Yasin Orooji
161	2D-Biotene Nanofiltration Membrane for Effective Desalination	Mahsa Haddad Irani Nezhad, Alireza Khataee, Vahid Vatanpoor, Samira Arefi Oskoui, Yasin Orooji
162	Ceramic Membranes with 2D-Nanostructured Materials for the Treatment of Semiconductor Wastewater	Yoojin Lee, Yeon So, Soyoun Kim, Chanhyuk Park
185	Pharmaceuticals Removal Under Low Dissolved Oxygen Conditions in a Membrane Bioreactor (MBR) Treating Hospital Wastewater	Recep Partal, Selda Murat Hocaoglu, Nevzat Ozgu Yigit, Elmas Eva Oktem Olgun, Oltan Canli
194	Effects of Corona Air Plasma and Dopamine Coating On Polyethersulfone Membrane for Separation of Oily Wastewater	Parisa Salimi, Abdolreza Aroujalian, Davood Iranshahi
202	Cost Estimation of A Pilot Scale Membrane Bioreactor Treatment of Industrial Wastewater	Ibrahim Uyanık, Oktay Özkan
214	Synthesis and Characterization of Polysulfone and Sulfonated Polyether Sulfone Based Cation Exchange Membranes	Eda Nur Dönmezler, Berfin Şerife Yünlü, Çağrı Salik, Bahar Yavuz, Minel Akalın, Hilmiye Nur Kahraman, Aydın Cihanoğlu, Enver Güler, Nalan Kabay
219	Preparation and Characterization of Crosslinked Anion Exchange Membranes: Effect of Temperature	Eda Nur Dönmezler, Aydın Cihanoğlu, Esra Altıok, Mine Eti, Enver Güler, Nalan Kabay
222	Antimicrobial Resistance Removal Efficiency of Membranes	Evrım Çelik Madenli, Dilara Kesiktaş, Halil Kandemir, Umut Bekçi, Esra Şen, Havva Elif Lapa

226	Biomaterial Supported Membrane Development	Oyku Mutlu Salmanli, Ismail Koyuncu, Mark Wiesner
227	Optimization of ZIF-L Synthesis and Development of ZIF-L Filled Polymeric Membranes for Gas and Liquid Separation	Sare Şeyma Akkol, Halil Kalıpçılar, Levent Yılmaz
231	Removal of Greenhouse Gases by Mixed Matrix Polymeric Membranes	Betül Sena Süzen, Halil Kalıpçılar, Levent Yılmaz
232	Development of Reverse Selective Polymeric Membranes for Separation of SF6	Toprak Çağlar, Halil Kalıpçılar, Levent Yılmaz
241	Features of Concentration Polization of Multilayer Membranes Under Competitive ion Transport Conditions	Mikhail Sharafan, Andrey Gorobchenko, Victor Nikonenko
247	Fouling and The Electrodialysis Performance in Tartrate Stabilization of A Red Wine Using Aliphatic Ion-Exchange Membranes	Natalia Pismenskaya, Evgeniia Pasechnaya, Kseniia Tsygurina
252	Development of High Performanced Biocord-IFAS Treatment Technology for Domestic Wastewater	Muhammed Ahmet Demirbilekli, Elif Ceren Esen, Türker Türken, Ismail Koyuncu
268	Cross-Flow Filtration of Geothermal Water by Reverse Osmosis and Nanofiltration Membranes In The Presence of Antiscalant For Scaling Prevention	Aseel Jamal Zaid, Yakubu Abdullahi Jarma, Aydın Cihanoğlu, Alper Baba, Nalan Kabay
278	The Synthesis of Ceramic Membrane From Pulp and Paper Fly Ash For COD and BOD Removal From Siak River	Idral Amri, Kurnia Hendra Pratama, Siti Arumka, Zuqni Meldha, Rosiah Rohani
283	Uranium Extraction Through Supported Liquid Membranes	Gülçin Özevci
284	Study on Humic Acid Fouling of Polyepichlorohydrin Based Anion Exchange Membrane	Taha Furkan Gül, Aleyna Sinem Ortaç, Mine Eti, Aydın Cihanoğlu, Esra Altıok, Nalan Kabay, Enver Güler

285	Application of Integrated Reverse Osmosis and Electrodialysis Reversal Methods for Treatment of Geothermal Water Reverse Osmosis Brine	Mustafa Burak Doğanay, Oluwasegun Emmanuel Babajide, Aseel Zaid, Aydın Cihanoglu, Esra Altiok, Yakubu Abdullahi Jarma, Alper Baba, Nalan Kabay
303	Preparation of Polyethersulfone Nanofiltration Membrane Enriched with Ag-Functionalized Ti <sub>3</sub> SiC <sub>2</sub> MAX Phase For Effective Removal of Dyes	Samira Jabbarvand Behrouz, Negar Yousef Tizhoush, Alireza Khataee, Yasin Orooji
304	Preparation of Polyethersulfone Membrane Surface Coated With TiO <sub>2</sub> and ZnO Nanoparticles For Separation of Oil from Water	Parisa Salimi, Amir Yasoubi, Abdolreza Aroujalian
310	Exploitation of Membrane Technology Towards The Sustainable Production of O <sub>2</sub> -Enriched Air	Vasileios Kartanos, Nikolaos Antoniou, Charitini Matsouka, Menelaos Samaras, Dimitrios Koutsonikolas, Akrivi Asimakopoulou
313	Biofilm Formation and Control in Membrane Systems	Ozlem Istanbulu Paksoy