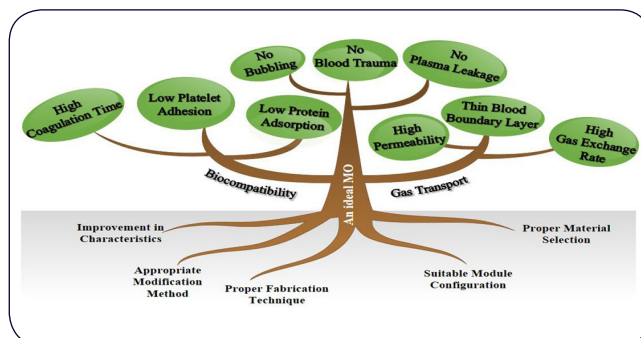


Graphical Abstracts

Review Paper

Oxygenation and Membrane Oxygenators: Emergence, Evolution and Progress in Material Development and Process Enhancement for Biomedical ApplicationsAmir Hossein Mostafavi¹, Ajay Kumar Mishra², Mathias Ulbricht³, Joeri F. M. Denayer⁴, Seyed Saied Hosseini^{1,2,*}¹ Membrane Science and Technology Research Group, Department of Chemical Engineering, Tarbiat Modares University, Tehran, Iran² Institute for Nanotechnology and Water Sustainability Research, College of Science, Engineering and Technology, University of South Africa, Johannesburg, South Africa³ Lehrstuhl für Technische Chemie II, Universität Duisburg-Essen, 45117, Essen, Germany⁴ Department of Chemical Engineering, Vrije Universiteit Brussel, Pleinlaan 2, 1050 Brussels, Belgium

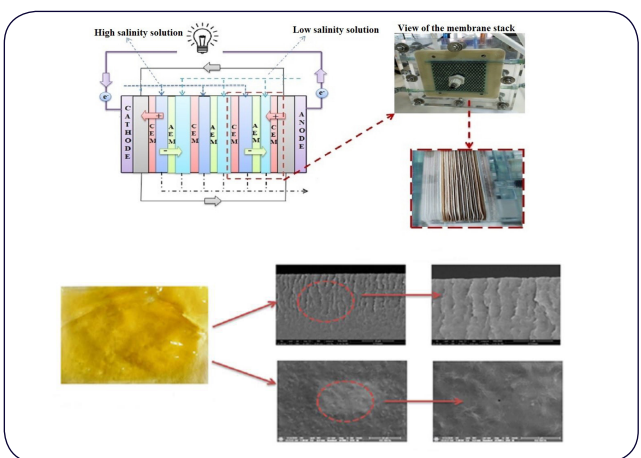
DOI: 10.22079/JMSR.2021.521505.1431



Review Paper

Ion Exchange Membranes for Reverse Electrodialysis (RED) Applications - Recent DevelopmentsMine Eti¹, Nur Hidayati Othman², Enver Güler^{3,*}, Nalan Kabay^{1,*}¹ Ege University, Department of Chemical Engineering, 35100 Izmir, Turkey² School of Chemical Engineering, College of Engineering, Universiti Teknologi MARA, Shah Alam, 40450 Selangor Darul Ehsan, Malaysia³ Atılım University, Department of Chemical Engineering, 06830 Ankara, Turkey

DOI: 10.22079/JMSR.2021.534937.1482

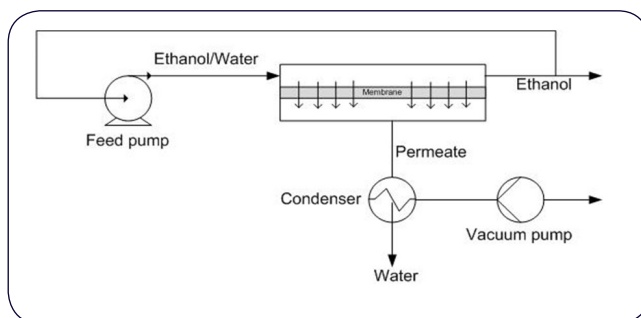


Research Paper

Semi-pilot Tests of Ethanol Dehydration using Commercial Ceramic Pervaporation MembranesD.E. Koutsonikolas^{*}, S.P. Kaldis, A.A. Lappas

Chemical Process & Energy Resources Institute, Centre for Research and Technology Hellas, Thessaloniki, Greece

DOI: 10.22079/JMSR.2021.130702.1401



Graphical Abstracts

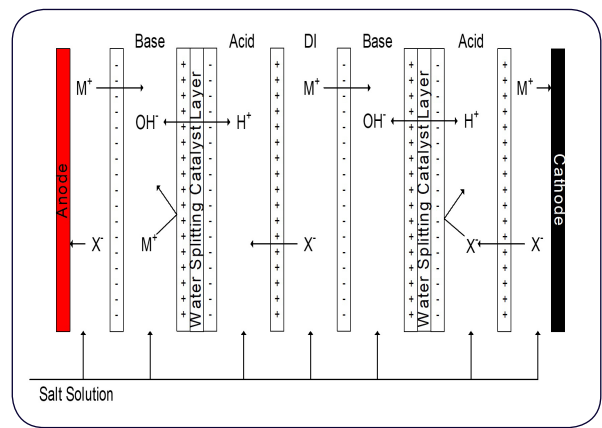
Research Paper

Factors Affecting Hydroxide Ion Concentrations in Bipolar Membranes

Yingying Chen, James C. Baygents, Dominic Gervasio, James Farrell *

Department of Chemical and Environmental Engineering, University of Arizona, Tucson, AZ 85721, USA

DOI: 10.22079/JMSR.2021.521613.1433



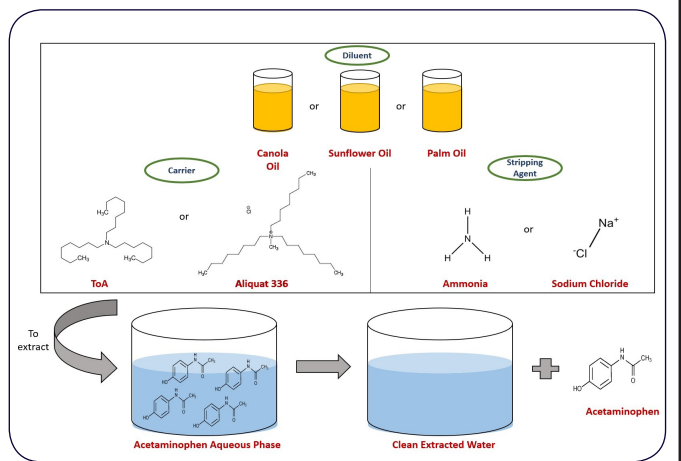
Research Paper

Acetaminophen Extraction Study using Vegetable Oil-Based Emulsion Liquid Membrane: The Juxtaposition of Carrier and Internal Phase

Nur Dina Zaulkiflee ^{1,2}, Abdul Latif Ahmad ^{1,*}, Murshid Yaacob ¹

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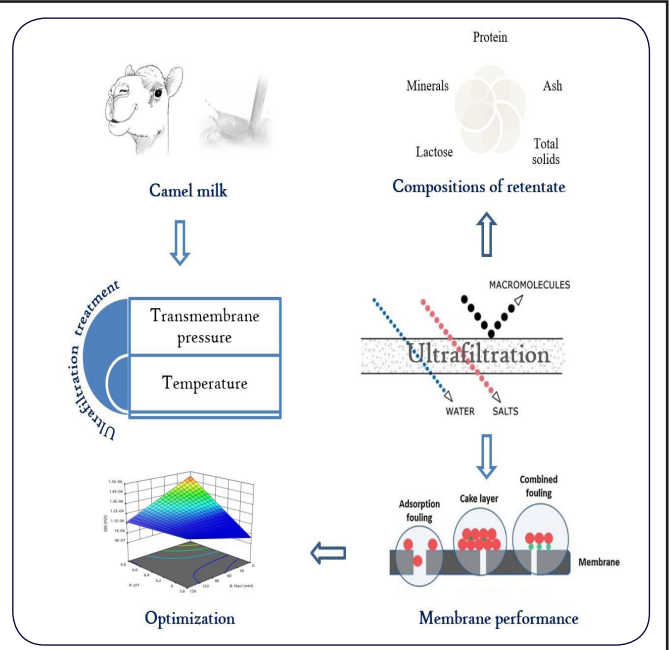
Research Paper

The Effect of Temperature and Transmembrane Pressure on the Camel Milk Ultrafiltration Performance: An Optimization Study

Morteza Kashaninejad, Seyed Mohammad Ali Razavi *, Mehdi Varidi

Division of Food Engineering, Department of Food Science and Technology, Ferdowsi University of Mashhad (FUM), POBox: 91775-1163, Mashhad, Iran

DOI: 10.22079/JMSR.2021.521519.1432



Graphical Abstracts

Morphology and Topography Studies of Composite Membranes Developed from Chitosan/Phthaloyl Chitosan Consisting Multi-Walled Carbon Nanotube/Montmorillonite as Filler

Arif Priyanga¹, Zuhriah Mumtazah¹, Hazlina Junoh², Juhana Jaafar², Lukman Atmaja^{1,*}

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