

Assoc. Prof. FİLİZ UĞUR NİGİZ



Personal Information

Email: filiz.ugur@comu.edu.tr

International Researcher IDs

ORCID: 0000-0003-0509-8425

Publons / Web Of Science ResearcherID: F-6352-2018

Yoksis Researcher ID: 152309



Education Information

Doctorate, Kocaeli University, Fen Bilimleri, Kimya Mühendisliği, Turkey 2011 - 2016

Postgraduate, Kocaeli University, Fen Bilimleri, Kimya Mühendisliği, Turkey 2009 - 2011

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey
2004 - 2008

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Electrochemical Processes, Environmental Chemistry and Technology, Membrane Technology, Fuels and Combustion Technology, Process and Reactor Design, Chemical Reaction Engineering, Separation Operations, Mass Transfer, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - Continues

Research Assistant PhD, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, 2015 - 2020

Research Assistant, Kocaeli University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2009 - 2015

Academic and Administrative Experience

Ethics Committee Member, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, 2021 -
Continues

Enstitü Yönetim Kurulu Üyesi, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, 2021 -
Continues

Deputy Head of Department, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, 2021 -
Continues

Head of Department, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - Continues

Assistant Director of the Institute, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, 2021 -
2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Increased hydrogen transport in microbial fuel cells by using copper based metal organic frameworks doped membrane**
UĞUR NİGİZ F., Akel M.
International Journal of Hydrogen Energy, vol.75, pp.262-270, 2024 (SCI-Expanded)
- II. **Optimization of bioethanol production from sugar beet processing by-product molasses using response surface methodology**
Altınışık S., Uğur Nigiz F., Gürdal S., Yılmaz K., Tuncel N. B., Koyuncu S.
BIOMASS CONVERSION AND BIOREFINERY, vol.0, no.0, 2024 (SCI-Expanded)
- III. **Polyvinyl Alcohol/Zr-based Metal Organic Framework Mixed-matrix Membranes Synthesis and Application for Hydrogen Separation**
Uğur Nigiz F., Ünügül T.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, pp.1-8, 2024 (SCI-Expanded)
- IV. **Fabrication of Zr MOF-doped polyvinylidene fluoride membranes and testing in H-type microbial fuel cell**
UĞUR NİGİZ F., Akel M.
International Journal of Hydrogen Energy, vol.54, pp.1264-1272, 2024 (SCI-Expanded)
- V. **Optimization of Pervaporative Desalination with Zirconia Based Metal Organic Framework Filled Nanocomposite Membrane**
Ünügül T., Nigiz F. U., Karakoca B.
Journal of Polymers and the Environment, vol.31, no.10, pp.4288-4301, 2023 (SCI-Expanded)
- VI. **Halloysite Nanotube doped poly lactic acid membrane preparation and seawater desalination**
Nigiz F., Karakoca B.
Applied Clay Science, vol.231, 2023 (SCI-Expanded)
- VII. **Pervaporative desalination using MIL 140 A loaded polylactic acid nanocomposite membrane**
Nigiz F. U., Karakoca B.
Process Safety and Environmental Protection, vol.169, pp.447-457, 2023 (SCI-Expanded)
- VIII. **Application of Response Surface Methodology for Optimization of Copper Removal Using a Novel Polymeric Adsorbent**
Unugul T., UĞUR NİGİZ F., KARAYÜNLÜ BOZBAŞ S.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.11, pp.4887-4901, 2022 (SCI-Expanded)
- IX. **Optimization of Sodium Alginate-Graphene Nanoplate-Kaolin Bio-composite Adsorbents in Heavy Metal Adsorption by Response Surface Methodology (RSM)**
Unugul T., UĞUR NİGİZ F.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.5, pp.6001-6012, 2022 (SCI-Expanded)
- X. **Hydrogen purification using natural zeolite-loaded hydroxyethyl cellulose membrane**
Unugul T., UĞUR NİGİZ F.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.2, pp.1826-1836, 2022 (SCI-Expanded)
- XI. **Evaluation of Halloysite Nanotube-Loaded Chitosan-Based Nanocomposite Membranes for Water Desalination by Pervaporation**
Unugul T., UĞUR NİGİZ F.
WATER AIR AND SOIL POLLUTION, vol.233, no.2, 2022 (SCI-Expanded)
- XII. **Comparative study on use of pervaporation membrane reactor for lauric acid - Methanol esterification**
Nigiz F. U.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.264, 2021 (SCI-Expanded)
- XIII. **Preparation and Characterization an Active Carbon Adsorbent from Waste Mandarin Peel and Determination of Adsorption Behavior on Removal of Synthetic Dye Solutions**
Unugul T., UĞUR NİGİZ F.
WATER AIR AND SOIL POLLUTION, vol.231, no.11, 2020 (SCI-Expanded)
- XIV. **UV-assisted desalination of seawater using titanium dioxide nanotube doped polyether block amide membrane**

- Nigiz F., KİBAR M. E.
Water Science and Technology: Water Supply, vol.20, no.6, pp.2185-2193, 2020 (SCI-Expanded)
- XV. **Graphene oxide-sodium alginate membrane for seawater desalination through pervaporation**
UĞUR NİGİZ F.
DESALINATION, vol.485, 2020 (SCI-Expanded)
- XVI. **Pervaporative Separation of Mixed Volatile Fatty Acids: A Study Towards Integrated VFA Production and Separation**
YEŞİL H., Taner H., Nigiz F., HİLMİOĞLU N., TUĞTAŞ KARNABAT A. E.
WASTE AND BIOMASS VALORIZATION, vol.11, no.5, pp.1737-1753, 2020 (SCI-Expanded)
- XVII. **Synthesis and characterization of graphene nanoplate-incorporated PVA mixed matrix membrane for improved separation of CO₂**
Nigiz F.
POLYMER BULLETIN, vol.77, no.5, pp.2405-2422, 2020 (SCI-Expanded)
- XVIII. **Enhanced hydrogen purification by graphene - Poly(Dimethyl siloxane) membrane**
Nigiz F., Hilmioglu N. D.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.5, pp.3549-3557, 2020 (SCI-Expanded)
- XIX. **Preparation and performance of ultra-thin surface coated pervaporation membranes for seawater purification**
Nigiz F.
WATER SCIENCE AND TECHNOLOGY-WATER SUPPLY, vol.19, no.6, pp.1778-1784, 2019 (SCI-Expanded)
- XX. **Synthesis of a novel graphene-kaolin-alginate adsorbent for dye removal, and optimization of the adsorption by response surface methodology**
Nigiz F.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.45, no.7, pp.3739-3753, 2019 (SCI-Expanded)
- XXI. **Multi-walled carbon nanotube doped PVA membrane for desalination**
Yilman B., Nigiz F. U., AYTAÇ A., HİLMİOĞLU N.
WATER SCIENCE AND TECHNOLOGY-WATER SUPPLY, vol.19, no.4, pp.1229-1237, 2019 (SCI-Expanded)
- XXII. **Pervaporative desalination of seawater using a polyvinylidene fluoride based membrane**
Nigiz F., HİLMİOĞLU N.
WATER SCIENCE AND TECHNOLOGY-WATER SUPPLY, vol.18, no.5, pp.1674-1681, 2018 (SCI-Expanded)
- XXIII. **A comparative study on the synthesis of ethyl propionate in a pervaporation membrane reactor**
Nigiz F.
CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION, vol.128, pp.173-179, 2018 (SCI-Expanded)
- XXIV. **Complete desalination of seawater using a novel polyvinylidene fluoride/zeolite membrane**
Nigiz F.
ENVIRONMENTAL CHEMISTRY LETTERS, vol.16, no.2, pp.553-559, 2018 (SCI-Expanded)
- XXV. **Preparation of high-performance graphene nanoplate incorporated polyether block amide membrane and application for seawater desalination**
Nigiz F.
DESALINATION, vol.433, pp.164-171, 2018 (SCI-Expanded)
- XXVI. **Ethyl Lactate Synthesis by Catalytic Membranes in a Pervaporation-Assisted Membrane Reactor**
Nigiz F., Hilmioglu N. D.
CHEMICAL ENGINEERING & TECHNOLOGY, vol.41, no.4, pp.836-844, 2018 (SCI-Expanded)
- XXVII. **Deep purification of seawater using a novel zeolite 3A incorporated polyether-block-amide composite membrane**
Nigiz F., VELİ S., HİLMİOĞLU N.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.188, pp.90-97, 2017 (SCI-Expanded)
- XXVIII. **Bentonite-loaded carboxy methylcellulose membrane for pervaporative desalination**
Nigiz F., HİLMİOĞLU N.
DESALINATION AND WATER TREATMENT, vol.92, pp.20-26, 2017 (SCI-Expanded)

- XXIX. **Carbon Black Loaded Composite Poly(Dimethyl Siloxane) Membrane Preparation and Application for Hazardous Chemical Removal from Water**
Nigiz F., Unlu D., HİLMİOĞLU N.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.693-696, 2017 (SCI-Expanded)
- XXX. **Fabrication of a novel polyhedral oligomeric silsesquioxanes/polyether-block-amide nano-hybrid membrane for pervaporative separation of model fuel butanol**
Nigiz F., HİLMİOĞLU N.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, no.34, 2017 (SCI-Expanded)
- XXXI. **Biodiesel from Oleic Acid by Green Catalyst "Catalytic Membrane": a Solution to Global Warming Problems**
Unlu D., Nigiz F., HİLMİOĞLU N.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.689-692, 2017 (SCI-Expanded)
- XXXII. **A study on composite catalytic membrane manufacturing based on sodium alginate and lipase to be used in a pervaporation reactor**
Nigiz F., HİLMİOĞLU N.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.43, no.2, pp.1149-1163, 2017 (SCI-Expanded)
- XXXIII. **Removal of Acetone from Wastewater by POSS Loaded PDMS Membrane**
Nigiz F., HİLMİOĞLU N.
PERIODICA POLYTECHNICA-CHEMICAL ENGINEERING, vol.61, no.3, pp.163-170, 2017 (SCI-Expanded)
- XXXIV. **Rhizomucor miehei Lipase-Immobilized Sodium Alginate Membrane Preparation and Usage in a Pervaporation Biocatalytic Membrane Reactor**
Nigiz F., HİLMİOĞLU N.
CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, vol.30, no.3, pp.381-391, 2016 (SCI-Expanded)
- XXXV. **Simultaneous separation performance of a catalytic membrane reactor for ethyl lactate production by using boric acid coated carboxymethyl cellulose membrane**
Nigiz F., HİLMİOĞLU N.
REACTION KINETICS MECHANISMS AND CATALYSIS, vol.118, no.2, pp.557-575, 2016 (SCI-Expanded)
- XXXVI. **Pervaporative desalination of seawater by using composite and blended poly (vinyl alcohol) membranes**
Nigiz F., HİLMİOĞLU N.
DESALINATION AND WATER TREATMENT, vol.57, no.11, pp.4749-4755, 2016 (SCI-Expanded)
- XXXVII. **Green solvent synthesis from biomass based source by biocatalytic membrane reactor**
Nigiz F., HİLMİOĞLU N.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.40, no.1, pp.71-80, 2016 (SCI-Expanded)
- XXXVIII. **Anhydrous fuel ethanol production by a combined hydrophobic-hydrophilic pervaporation system**
Nigiz F., HİLMİOĞLU N.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.22, pp.3348-3353, 2016 (SCI-Expanded)
- XXXIX. **A study on the separation performance of zeolite filled thin film composite poly(dimethyl siloxane) membrane**
Nigiz F., ÖZKOÇ G., HİLMİOĞLU N.
MATERIALS & DESIGN, vol.88, pp.942-949, 2015 (SCI-Expanded)
- XL. **Novel environmental friendly process for reducing the sulphur level in fuel: pervaporation**
Nigiz F., HİLMİOĞLU N.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.6, no.4, pp.455-465, 2014 (SCI-Expanded)
- XLI. **Pervaporation of ethanol/water mixtures by zeolite filled sodium alginate membrane**
Nigiz F., HİLMİOĞLU N.
DESALINATION AND WATER TREATMENT, vol.51, pp.637-643, 2013 (SCI-Expanded)
- XLII. **Pervaporation of ethanol/water mixtures using clinoptilolite and 4A filled sodium alginate membranes**
Nigiz F., DOĞAN H., HİLMİOĞLU N.

Articles Published in Other Journals

- I. **Investigation of the potential use of halloysite nanotube doped chitosan films for food packaging**
Uğur Nigiz F., Onat B.
Journal of Amasya University the Institute of Sciences and Technology, vol.4, no.2, pp.108-115, 2023 (Peer-Reviewed Journal)
- II. **Photocatalytic activity of TiO₂-Cu-metal-organic framework (MOF)**
Katrıcı A., Kibar M. E., Uğur Nigiz F.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.55, no.3, pp.283-288, 2023 (Scopus)
- III. **Boron removal by vacuum membrane distillation with graphene doped polylactic acid membrane**
Uğur Nigiz F., Karakoca B.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.13, no.2, pp.482-490, 2023 (Peer-Reviewed Journal)
- IV. **Biyokompozit membran ile yağlı atık suların saflaştırılması**
UĞUR NİGİZ F.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.22, pp.1443-1450, 2022 (Peer-Reviewed Journal)
- V. **Improved Oil-Water Separation Performance of Polylactic Acid by Halloysite Nanotube Incorporation**
UĞUR NİGİZ F.
Journal of the Turkish Chemical Society Section B: Chemical Engineering, vol.5, no.2, pp.77-84, 2022 (Peer-Reviewed Journal)
- VI. **COMPOSITE HYDROXYL ETHYL CELLULOSE MEMBRANE FOR HYDROGEN PURIFICATION**
Uğur Nigiz F., Ünügül T.
Bartın University International Journal of Natural And Applied Sciences (JONAS), vol.3, no.2, pp.108-115, 2020 (Peer-Reviewed Journal)
- VII. **Purification of emulsified oil by Bentonite loaded polyvinylidene fluoride/polyvinylpyrrolidone membrane**
Nigiz F., Yucak A. I., Hilmioglu N. D.
WATER PRACTICE AND TECHNOLOGY, vol.15, no.2, pp.394-403, 2020 (ESCI)
- VIII. **Synthesis of acid treated carbonized mandarin peel for purification of copper**
Unugul T., Nigiz F. U.
WATER PRACTICE AND TECHNOLOGY, vol.15, no.2, pp.460-471, 2020 (ESCI)
- IX. **Emülsifiye Edilmiş Yağın Polivinilflorür/PolivinilProlidin Membran ile Saflaştırılması**
YUCAK A. İ., UĞUR NİGİZ F.
Avrupa Bilim ve Teknoloji Dergisi, vol.17, pp.769-775, 2019 (Peer-Reviewed Journal)
- X. **Synthesis and characterization of clinoptilolite-alginate beads for dye removal from water**
Nigiz F.
WATER PRACTICE AND TECHNOLOGY, vol.14, no.2, pp.311-318, 2019 (ESCI)
- XI. **Preparation of a zeolite 4A loaded polyether block amide membrane and usage for seawater desalination**
UĞUR NİGİZ F.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.7, pp.1308-1314, 2018 (Peer-Reviewed Journal)
- XII. **Fabrication and Characterization of a Water Selective Membrane to Enhance the Conversion of Esterification**
Nigiz F., Yenihan N., HİLMİOĞLU N.
MATERIALS FOCUS, vol.7, no.4, pp.519-523, 2018 (Peer-Reviewed Journal)
- XIII. **VOLATILE ORGANIC COMPOUND REMOVAL USING POLYURETHANE BASED SELECTIVE MEMBRANE**

- UĞUR NİGİZ F., HİLMİOĞLU N.
selçuk teknik dergisi, pp.186-199, 2018 (Peer-Reviewed Journal)
- XIV. **Dahili Membran Reaktörde Kullanılmak Üzere Yüksek Performanslı Polivinil Alkol Membran Üretimi ve Etanol-Propiyonik Asit Esterleşme Reaksiyonunda Uygulaması**
UĞUR NİGİZ F.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.1095, 2018 (Peer-Reviewed Journal)
- XV. **YÜZEY YANIT METODU İLE OPTİMİZE EDİLEN METİL LAURAT ÜRETİMİNİN MEMBRAN REAKTÖRDE UYGULAMASI**
UĞUR NİGİZ F.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.6, pp.47-55, 2018 (Peer-Reviewed Journal)
- XVI. **Fuel butanol dehydration by using a membrane based pervaporation method**
UĞUR NİGİZ F., HİLMİOĞLU N.
Research on Engineering Structures and Materials, vol.3, no.3, pp.176-184, 2017 (Peer-Reviewed Journal)
- XVII. **A reactive poly(styrene sulfonic acid) catalyst preparation and usage for fuel additive ester production**
UĞUR NİGİZ F., HİLMİOĞLU N.
Research on Engineering Structures and Materials, vol.3, no.2, pp.89-97, 2017 (Peer-Reviewed Journal)
- XVIII. **Preparation of 3A Zeolite-Loaded Membrane for Hydrogen Recovery from Waste Gas**
UĞUR NİGİZ F., HİLMİOĞLU N.
Journal of the Turkish Chemical Society, Section B: Chemical Engineering, vol.1, pp.71-80, 2017 (Peer-Reviewed Journal)
- XIX. **ÇEVRE DOSTU BİYOKATALİK MEMBRAN REAKTÖRDE ETİL LAKTAT SENTEZİ**
UĞUR NİGİZ F., HİLMİOĞLU N.
Anadolu University Journal of Science and Technology-A Applied Sciences and Engineering, vol.17, no.2, 2016 (Peer-Reviewed Journal)
- XX. **Zeolit Katkılı Poli(dimetil siloksan) Membran ile Saflaştırma İşlemi**
UĞUR NİGİZ F., HİLMİOĞLU N.
Kauçuk dergisi, pp.32-38, 2014 (Non Peer-Reviewed Journal)
- XXI. **Desalination via Innovative Membrane Process**
UĞUR NİGİZ F., HİLMİOĞLU N.
Journal of Selçuk University Natural and Applied Science, 2013 (Peer-Reviewed Journal)
- XXII. **Bioethanol Production by Pervaporation Membrane Bioreactor**
UĞUR NİGİZ F., HİLMİOĞLU N.
Journal of Selçuk University Natural and Applied Science, 2013 (Peer-Reviewed Journal)
- XXIII. **Deniz Suyunun Etkin bir Şekilde Saflaştırılmasında Enerji ve Çevre Dostu Teknoloji: Pervaporasyon**
UĞUR NİGİZ F., ÜNLÜ D., HİLMİOĞLU N.
Su ve çevre teknolojileri, 2012 (Non Peer-Reviewed Journal)

Books & Book Chapters

- I. **Vacuum Stripping Membrane Desalination for Marmara Seawater**
UĞUR NİGİZ F., HİLMİOĞLU N.
in: Exergetic, Energetic and Environmental Dimensions, Ibrahim Dincer C. Ozgur Colpan Onder Kizilkan, Editor, Elsevier, pp.1017-1027, 2018
- II. **Waste to Energy With a Combine Membrane Technology: Biobutanol Production and Purification**
UĞUR NİGİZ F., HİLMİOĞLU N.
in: Exergetic, Energetic and Environmental Dimensions, Ibrahim Dincer C. Ozgur Colpan Onder Kizilkan, Editor, elsevier, pp.861-871, 2018
- III. **Bioethanol Production from Molasses by Pervaporation Membrane Bioreactor**
UĞUR NİGİZ F., HİLMİOĞLU N.

in: Progress in clean energy volume 2, Ozgur Can Colpan, Onder Kizilkan, Editor, springer, pp.93-104, 2015

IV. Clean Technology for Volatile Organic Compound Removal from Wastewater

UĞUR NİGİZ F., HİLMİOĞLU N.

in: Causes impacts and solutions to global warming, Ibrahim Dincer, Can Ozgur Colpan, Fethi Kadioglu, Editor, Springer, pp.709-719, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Improved Packaging Performance of Olive-Tree Based Biochar Loaded Poly(Lactic Acid) Films**
özyörü z. i., Balcı S., UĞUR NİGİZ F.
International Conference on New Trends in Chemistry 2024, Budapest, Hungary, 19 - 21 May 2024
- II. **Fabrication of Electrospun Polyvinylidene Fluoride Filter Material For Deep Purification of Multiple Impurities from Water**
Kahraman S., KATIRCI A., UĞUR NİGİZ F.
International Conference on New Trends in Chemistry 2024, Budapest, Hungary, 19 - 21 May 2024
- III. **ELECTROSPUN PHOSPHOTUNGSTIC ACID LOADED PVDF MEMBRANE PERFORMANCE FOR MICROBIAL FUEL CELL**
özyörü z. i., UĞUR NİGİZ F.
Global Warming (GCGW-2024), Şanlıurfa, Turkey, 16 - 19 May 2024
- IV. **CARBON DIOXIDE SEPARATION FROM SIMULATED FLUE GAS USING A MOF INCORPORATED PEBAX2533 MEMBRANE**
UĞUR NİGİZ F.
Global Warming (GCGW-2024), Şanlıurfa, Turkey, 16 - 19 May 2024
- V. **METAL ORGANIC FRAMEWORKS LOADED MEMBRANE FOR MICROBIAL FUEL CELL APPLICATION**
UĞUR NİGİZ F., AKEL M.
global conference on global warming 2023, İstanbul, Turkey, 12 - 16 June 2023
- VI. **PHOTOCATALYTIC REDUCTION OF CARBON DIOXIDE INTO METHANOL OVER COPPER BASED METAL ORGANIC FRAMEWORK**
Katırcı A., AKEL M., UĞUR NİGİZ F.
global conference on global warming 2023, İstanbul, Turkey, 10 - 12 June 2023
- VII. **Zr-based metal organic framework filled membrane syntheses and application for CO₂/N₂ separation**
UĞUR NİGİZ F.
International Conference on New Trends in Chemistry May 19-21, 2023, üsküp, Macedonia, 19 - 21 May 2023, vol.1
- VIII. **Photocatalytic Activity of TiO₂-Cu-Metal-Organic Framework (MOF)**
KATIRCI A., KİBAR M. E., UĞUR NİGİZ F.
International Conference on New Trends in Chemistry May 19-21, 2023, üsküp, Macedonia, 19 - 21 May 2023
- IX. **Solvent-free production of blend ENR/NBR membranes and investigation the separation characteristic for aromatic hydrocarbons from water**
ÜNÜGÜL t., YUCAK A. İ., UĞUR NİGİZ F.
6th MEMTEK International Symposium on Membrane Technologies and Applications (MEMTEK 2019), 18 - 20 November 2019
- X. **Pervaporative seawater desalination using Bentonite incorporated Polyethylene Block Amine (Peba1657) Membrane**
UĞUR NİGİZ F., YUCAK A. İ.
6th MEMTEK International Symposium on Membrane Technologies and Applications (MEMTEK 2019), 18 - 20 November 2019
- XI. **Purification of emulsified oil by Polyvinylidene Fluoride/polyvinylpyrrolidone Membrane**
UĞUR NİGİZ F., YUCAK A. İ., HİLMİOĞLU N.

THE 11TH EASTERN EUROPEAN YOUNG WATER PROFESSIONALS CONFERENCE, 1 - 05 October 2019

- XII. **Purification of copper metal using carbonized mandarin peel**
ÜNÜGÜL t., UĞUR NİGİZ F.
THE 11TH EASTERN EUROPEAN YOUNG WATER PROFESSIONALS CONFERENCE, 1 - 05 October 2019
- XIII. **UV-Assisted Desalination of Seawater Using Titanium Dioxide Nanotube Doped Polyether Block Amide Membrane.**
UĞUR NİGİZ F., KİBAR M. E.
11 th Eastern European Young Water Professionals Conference IWA YWP, 1 - 05 September 2019
- XIV. **N-Propil Propiyonat Esterinin Reaktif Distilasyon Yöntemi ile Üretiminin Aspen HYSYS Simulasyonu**
UĞUR NİGİZ F., YAZICI r.
3rd International Engineering Research Symposium, 5 - 07 September 2019
- XV. **Hydrogen Separation Using Zeolite Containing Polystyrene Sulfonic Acid/Cellulose Blend Membrane**
UĞUR NİGİZ F., HİLMİOĞLU N.
3rd International Engineering Research Symposium, 5 - 07 September 2019
- XVI. **Polyvinyl alcohol/ phosphotungstic acid membrane fabrication and application for polymer electrolyte fuel cell**
UĞUR NİGİZ F.
3rd International Engineering Research Symposium, 5 - 07 September 2019
- XVII. **Application of response surface methodology for optimization of copper removal using a novel adsorbent**
UĞUR NİGİZ F., KARAYÜNLÜ BOZBAŞ S.
2nd International Eurasian Conference on Biological and Chemical Sciences, 12 - 14 June 2019
- XVIII. **Polidimetil siloksan ve doğal kauçuktan üretilen membranın benzen gideriminde kullanımı**
UĞUR NİGİZ F., HİLMİOĞLU N.
International Eurasian Conference on Biological and Chemical Sciences, 12 - 15 June 2019
- XIX. **Fonksiyonelleştirilmiş Karbon Nanotüp Katkili Polivinil Alkol Membranlar ile Desalinasyon Çalışması**
BEYZANUR y., UĞUR NİGİZ F., HİLMİOĞLU N.
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- XX. **Investigation of Membrane Process For Producing Dimethy Carbonate from the Waste Carbondioxide**
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YENİHAN YÜZER N., UĞUR NİGİZ F., HİLMİOĞLU N.
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- XXIII. **Tehlikeli Kimyasallar BTEX in Atıksulardan Giderilmesi İçin Kullanılan Yöntemlerin İncelenmesi**
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- XXIV. **Continuous removal of heavy metals using graphene oxide-polyether blockamide membrane**
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- XXVI. **HYDROGEN SEPARATION USING GRAPHENE NANOPATE INCORPORATED POLY(DIMETHYL SILOXANE) MEMBRANE**

- UĞUR NİGİZ F., HİLMİOĞLU N.
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- XXVII. **Efficient Batch and Continuous Dye Removal Using Alginate-Kaolin-Graphene Nanoplate Adsorbent**
UĞUR NİGİZ F.
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- XXVIII. **CO2 Emission Reduction in Atmosphere Using Pebax/ZSM-5 Composite Membrane**
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- XXIX. **Multi-Walled Carbon Nanotube Doped PVA Membrane for Desalination**
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- XXXIII. **BİYOETANOL VE BİYOBUTANOL TEMELLİ YAKITLARIN ÜRETİM VESAFLAŞTIRMA SÜREÇLERİNİN ANALİZİ**
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- XXXIV. **Sülfolanmış ZSM-5 Zeolitinin Kullanıldığı Kompozit Katalitik Membran Üretimi Ve Karakterizasyonu**
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- XXXIX. **DENİZ SUYUNDAKİ KİRLETİCİ VE AĞIR METALLERİN GİDERİLMESİ İÇİN GÖZENEKSİZ MEMBRAN HAZIRLANMASI VE UYGULAMASI**
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- XL. **Fabrication and characterization of a water selective membrane to enhance the conversion of esterification**
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- XLI. **Removal of heavy metals and hydrated ions from the water using an emerging membrane technology**

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- XLII. **Hydrogen separation by fabrication of a ZSM-5 incorporated poly(vinyl alcohol) membrane**
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- XLIII. **Fabrication of ZSM-5 incorporated poly(vinyl alcohol) membrane for desalination**
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- XLIV. **Single-stage reactive separation system design and application to synthesize lauric acid ester**
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- XLV. **A Novel Polyvinyl Alcohol – Polyethylene Glycol Composite Membrane Fabrication for CO2 Separation from Gas Mixture**
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- XLVI. **Heteropoly acid loaded catalytic membrane preparation and using for valeric acid ester synthesis**
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- XLVII. **An Alternative Method for Fresh Water Supplying Pervaporative Desalination of Seawater Using Polyvinylidene Fluoride Based Membrane**
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- XLVIII. **Fabrication of clinoptilolite/Cellulose Composite Membrane For CO2 Separation From Flue Gas**
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- XLIX. **Silikalit katkılı termoplastik poliüretan membranların hazırlanması ve sulardan uçucu organik bileşenlerin gideriminde kullanılması**
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- L. **PREPARATION AND ANALYSIS OF MIXED MATRIX GAS SEPARATION MEMBRANE FOR HYDROGEN REMOVAL FROM WASTE GAS**
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- LI. **Biodiesel Synthesis By The Green Catalyst A Solution To Global Warming**
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- LII. **Carbon black loaded composite poly dimethyl siloxane membrane preparation and application for hazardous chemical removal from water**
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UĞUR NİGİZ F., HİLMİOĞLU N.
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- LIV. **Atık Gazlardan Hidrojen Gerikazanımı İçin 3A Zeoliti Katkılı Selüloz Membranların Hazırlanması**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LV. **Waste to Energy with a Combine Membrane Technology Biobutanol Production and Purification**
UĞUR NİGİZ F., HİLMİOĞLU N.
8th International Exergy, Energy and Environment Symposium, 8 - 12 May 2016
- LVI. **Vacuum Stripping Membrane Desalination for Marmara Sea Water**

UĞUR NİGİZ F., HİLMİOĞLU N.

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- LVII. **Biobased Fuel Additive Sythesis by Using a Reactive Polymer**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LVIII. **Efficient Dehydration of Bio Butanol by Pervaporation**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LIX. **Phosphotungstic Acid Loaded Cellulose Membrane Preparation For Catalytic Membrane Reactor**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LX. **A Reactive Polymeric Mambrane Synthesis For One Stage Reaction-Seperation System**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LXI. **Zeolite Filled Poly vinyl alcohol Catalytic Membrane Preparation and Application**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LXII. **Ester Production in a Pervaporation aided Catalytic Membrane Reactor**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LXIII. **Membrane based hybrid process for bioethanol purification and purification**
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- LXIV. **Enzim tutuklu aljınat membran üretimi ve ester sentezi**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LXV. **Green Process Design and Operation for Ester Synthesis**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LXVI. **Bioethanol Production From Molasses By Pervaporation Membrane Bioreactor**
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- LXVII. **Green Solvent Sythesis From Biomass Based Source By Biocatalytic Membrane Reactor**
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- LXVIII. **Seawater Desalination by Pervaporation Using Composite Cellulose Based Membrane**
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- LXIX. **Esterleşme reaksiyonu için Fe₂ SO₄ 3 katkılı kompozit katalitik membran geliştirilmesi**
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- LXX. **Efficient removal of organic pollutants from wastewater by pervaporation**
UĞUR NİGİZ F., ÜNLÜ D., HİLMİOĞLU N.
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- LXXI. **Acetic acid removal from wastewater by reactive membrane**
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- LXXIII. **Zeolite filled polyvinylalcohol membrane preparation and alcohol dehydration by pervaporation**
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- LXXIV. **Desalination via Innovative Membrane Process**
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- LXXV. **Bioethanol Production by Pervaporation Membrane Reactor**
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- LXXVI. **Recovery of Water and Organic Compounds from Industrial Waste Water**
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- LXXVII. **Industrial wastewater treatment with membrane process**
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- LXXVIII. **Hydrophobic Nonporous Membrane Preparation and Pervaporation Application**
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- LXXIX. **Atık Sudan Uçucu Organik Bileşen Toluenin Ekonomik Olarak Ayrılması: Pervaporasyon İle Arıtma**
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- LXXX. **DENİZ SUYUNUN YÜKSEK VERİMLE SAFLAŞTIRILMASI: PERVAPORASYONLA TUZ GİDERİMİ**
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- LXXXI. **Zeolit Katkılı Poli(dimetil siloksan) Membran ile Saflaştırma İşlemi**
UĞUR NİGİZ F., HİLMİOĞLU N.
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- LXXXVII. **Pervaportaion of ethanol water mixtures by zeolite filled sodium alginate membrane**
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- LXXXVIII. **Investigation of the Esterification Reaction in the Presence of Catalytic Membrane as a Catalyst Using Pervaporation Membrane Reactor**

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UĞUR NİGİZ F., EVRA B., İNSAF DAMLA T., HİLMİOĞLU N.

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UĞUR NİGİZ F., Ersoy E., Project Supported by Higher Education Institutions, Biyobazlı polimerlerden antimikrobiyal nanokompozit gıda ambalajı üretimi, 2023 - Continues

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KOYUNCU S., UĞUR NİGİZ F., Project Supported by Higher Education Institutions, Enerji Depolama Sistemleri İçin İyonik Membranların Üretimi ve Karakterizasyonu, 2022 - 2022

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UĞUR NİGİZ F., Project Supported by Higher Education Institutions, Atık gazlardan hidrojen ayırımı için karma matrisli membran geliştirme, 2020 - 2021

Student Project

R & D Project, Deniz Yosunundan Biyobozunur ve Antimikrobiyal Gıda Ambalaj Filmi Oluşum ve Karakterizasyonu, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey, 2023 - Continues

R & D Project, Bioethanol production from lignocellulosic rice husk and its experimental optimization, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey, 2020 - 2021

Activities in Scientific Journals

Journal of Advanced Research in Natural and Applied Sciences, First Editor, 2020 - Continues

Scientific Refereeing

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, June 2024

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, April 2023

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, December 2022

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, October 2022

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, November 2021

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, May 2019

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, February 2019

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, March 2018

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, March 2018

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, March 2018

Metrics

Publication: 168

Citation (WoS): 434

Citation (Scopus): 495

H-Index (WoS): 12

H-Index (Scopus): 15

Awards

Uğur Nigiz F., Eğitim Öğretim Ödülü, Çanakkale Onsekiz Mart Üniversitesi, March 2024

Uğur Nigiz F., Genç Bilim İnsanı-2023, Çanakkale Onsekiz Mart Üniversitesi, March 2024

Uğur Nigiz F., Etkin Araştırmacı, Çanakkale Onsekiz Mart Üniversitesi, March 2024