

## Assoc. Prof. FİLİZ UĞUR NİGİZ

### Personal Information

Email: filiz.ugur@comu.edu.tr

### 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

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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, 2021 (Journal Indexed in SCI)
- II. **Comparative study on use of pervaporation membrane reactor for lauric acid – methanol esterification**  
Uğur Nigiz F.

SEPARATION AND PURIFICATION TECHNOLOGY, pp.1-10, 2021 (Journal Indexed in SCI Expanded)

- III. **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 (Journal Indexed in SCI)
- IV. **Graphene oxide-sodium alginate membrane for seawater desalination through pervaporation**  
UĞUR NİGİZ F.  
DESALINATION, vol.485, 2020 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **Synthesis and characterization of graphene nanoplate-incorporated PVA mixed matrix membrane for improved separation of CO<sub>2</sub>**  
Nigiz F.  
POLYMER BULLETIN, vol.77, no.5, pp.2405-2422, 2020 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **Complete desalination of seawater using a novel polyvinylidene fluoride/zeolite membrane**  
Nigiz F.  
ENVIRONMENTAL CHEMISTRY LETTERS, vol.16, no.2, pp.553-559, 2018 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)

- XVII. **Bentonite-loaded carboxy methylcellulose membrane for pervaporative desalination**  
Nigiz F., HİLMİOĞLU N.  
DESALINATION AND WATER TREATMENT, vol.92, pp.20-26, 2017 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **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 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **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 (Journal Indexed in SCI)
- XXIX. **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 (Journal Indexed in SCI)
- XXX. **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 (Journal Indexed in SCI)

XXXI. **Pervaporation of ethanol/water mixtures using clinoptilolite and 4A filled sodium alginate membranes**

Nigiz F., DOĞAN H., HİLMİOĞLU N.

DESALINATION, vol.300, pp.24-31, 2012 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **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 (International Refereed University Journal)
- II. **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 (Journal Indexed in ESCI)
- III. **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 (Journal Indexed in ESCI)
- IV. **Emülsifiye Edilmiş Yağın Polivinilflorür/PolivinilProlidin Membranile Saflaştırılması**  
YUCAK A. İ., UĞUR NİGİZ F.  
Avrupa Bilim ve Teknoloji Dergisi, vol.17, pp.769-775, 2019 (Other Refereed National Journals)
- V. **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 (Journal Indexed in ESCI)
- VI. **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 UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.24, no.7, pp.1308-1314, 2018 (Other Refereed National Journals)
- VII. **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 (Journal Indexed in ESCI)
- VIII. **VOLATILE ORGANIC COMPOUND REMOVAL USING POLYURETHANE BASED SELECTIVE MEMBRANE**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
selçuk teknik dergisi, pp.186-199, 2018 (Other Refereed National Journals)
- IX. **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 (Other Refereed National Journals)
- X. **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 (Other Refereed National Journals)
- XI. **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 (Refereed Journals of Other Institutions)

- XII. **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 (Refereed Journals of Other Institutions)
- XIII. **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 (Other Refereed National Journals)
- XIV. **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 (Other Refereed National Journals)
- XV. **Zeolit Katkılı Poli(dimetil siloksan) Membran ile Saflaştırma İşlemi**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
Kauçuk dergisi, pp.32-38, 2014 (National Non-Refereed Journal)
- XVI. **Desalination via Innovative Membrane Process**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
Journal of Selcuk University Natural and Applied Science, 2013 (Refereed Journals of Other Institutions)
- XVII. **Bioethanol Production by Pervaporation Membrane Bioreactor**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
Journal of Selcuk University Natural and Applied Science, 2013 (Refereed Journals of Other Institutions)
- XVIII. **Deniz Suyunun Etkin bir Şekilde Saflaştırılmasında Enerji ve Çevre Dostu Teknoloji: Pervaporasyon**  
UĞUR NİGİZ F., ÜNLÜ D., HİLMİOĞLU N.  
Su ve çevre teknolojileri, 2012 (National Non-Refereed 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. **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

- II. **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
- III. **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
- IV. **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
- V. **UV-Assisted Desalination of Seawater Using Titanium Dioxide Nanotube Doped Polyether Block Amide Membrane.**  
UĞUR NİGİZ F., KİBAR M. E.  
11 th Eastern European YoungWater Professionals Conference IWA YWP, 1 - 05 September 2019
- VI. **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
- VII. **N-Propil Propiyonat Esterinin Reaktif Distilasyon Yöntemi ile Üretimini Aspen HYSYS Simulasyonu**  
UĞUR NİGİZ F., YAZICI r.  
3rd International Engineering Research Symposium, 5 - 07 September 2019
- VIII. **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
- IX. **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
- X. **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
- XI. **Fonksiyonelleştirilmiş Karbon Nanotüp Katkili Polivinil Alkol Membranlar İle Desalinasyon Çalışması**  
BEYZANUR y., UĞUR NİGİZ F., HİLMİOĞLU N.  
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi, Kocaeli, 2019, 4 - 06 April 2019
- XII. **Designing and optimization of adsorption process for dye removal using orange peel**  
UĞUR NİGİZ F.  
INTERNATIONAL EURASIAN CONFERENCE ON SCIENCE, ENGINEERING AND TECHNOLOGY (EURASIANSCIENSTECH 2018), 22 - 23 November 2018
- XIII. **Investigation of Membrane Process For Producing Dimethy Carbonate from the Waste Carbondioxide**  
UĞUR NİGİZ F.  
INTERNATIONAL EURASIAN CONFERENCE ON SCIENCE, ENGINEERING AND TECHNOLOGY (EURASIANSCIENSTECH 2018), 22 - 23 November 2018
- XIV. **Sülfolanmış Polivinil Alkolden Oluşan Katalitik Membran ile İzopropil Asetat Sentezi**  
YENİHAN YÜZER N., UĞUR NİGİZ F., HİLMİOĞLU N.  
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi, 23 - 25 November 2018
- XV. **Tehlikeli Kimyasallar BTEX in Atıksulardan Giderilmesi İçin Kullanılan Yöntemlerin İncelenmesi**  
ÜNLÜ D., UĞUR NİGİZ F., HİLMİOĞLU N.

International Symposium on Urban Water and Wastewater Management, 25 - 27 October 2018

- XVI. **Polydimethyl Siloxane-Natural Rubber Membrane Preparation and Application for Hexane Removal**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
MATERIALS SCIENCE AND ADVANCED NANOTECHNOLOGIES FOR NEXT GENERATION, 4 - 06 October 2018
- XVII. **Continuous removal of heavy metals using graphene oxide-polyether blockamide membrane**  
UĞUR NİGİZ F.  
MATERIALS SCIENCE AND ADVANCED NANOTECHNOLOGIES FOR NEXT GENERATION, 4 - 06 October 2018
- XVIII. **HYDROGEN SEPARATION USING GRAPHENE NANOPATE INCORPORATED POLY(DIMETHYL SILOXANE) MEMBRANE**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
7th GLOBAL CONFERENCE on GLOBAL WARMING, 24 - 28 June 2018
- XIX. **Efficient Batch and Continuous Dye Removal Using Alginate-Kaolin-Graphene Nanoplate Adsorbent**  
UĞUR NİGİZ F.  
Ecology-2018, 19 - 23 June 2018
- XX. **CO2 Emission Reduction in Atmosphere Using Pebax/ZSM-5 Composite Membrane**  
UĞUR NİGİZ F.  
Ecology-2018, 19 - 23 June 2018
- XXI. **Ultra-thin Surface Coated Membrane Preparation and Usage for Continuous Water Purification**  
UĞUR NİGİZ F.  
10th Eastern European IWA YWP Conference, 7 - 12 May 2018
- XXII. **Multi-Walled Carbon Nanotube Doped PVA Membrane for Desalination**  
UĞUR NİGİZ F., beyzanur y., AYTAÇ A., HİLMİOĞLU N.  
10th Eastern European IWA YWP Conference, 7 - 12 May 2018
- XXIII. **Synthesis and Characterization of Clinoptilolite-alginate Beads for Dye Removal from Water**  
UĞUR NİGİZ F.  
10th Eastern European Young Water Professionals Conference, 7 - 12 May 2018
- XXIV. **Production and Characterization of Functionalized Carbon Nanotube-Loaded Polyvinyl Alcohol Membranes for Desalination**  
BEYZANUR y., UĞUR NİGİZ F., AYTAÇ A., HİLMİOĞLU N.  
International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018
- XXV. **BİYOETANOL VE BİYOBUTANOL TEMELLİ YAKITLARIN ÜRETİM VESAFLAŞTIRMA SÜREÇLERİNİN ANALİZİ**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
4. Anadolu Enerji Sempozyumu (uluslararası katılımlı), 18 - 20 April 2018
- XXVI. **Sülfolanmış ZSM-5 Zeolitinin Kullanıldığı Kompozit Katalitik Membran Üretimi Ve Karakterizasyonu**  
NAZLI y. y. , UĞUR NİGİZ F., HİLMİOĞLU N.  
1st International Symposium on Light Alloys and Composite Materials, 22 - 24 March 2018
- XXVII. **SUDAKİ AĞIR METALLERİN GİDERİMİ İÇİN DOĞAL KİL-SELÜLOZ TÜREVLİ ADSORBANLARIN SENTEZİ VE KULLANIMI**  
UĞUR NİGİZ F.  
Uluslararası su ve çevre kongresi, 22 - 24 March 2018
- XXVIII. **Membran reaktörde karbondioksit ve metanolün dimetil karbonata dönüşümünün incelenmesi**  
UĞUR NİGİZ F.  
4. Ulusal Mühendislik kongresi, Turkey, 22 - 25 December 2017
- XXIX. **İzopropil Asetat Sentezinin Farklı Katalizörler Eşliğinde Membran Reaktörde İncelenmesi**  
NAZLI y. y. , UĞUR NİGİZ F., HİLMİOĞLU N.  
4. ulusal mühendislik kongresi, Turkey, 22 - 25 December 2017
- XXX. **Volatile Organic Compound Removal Using Polyurethane Based Membrane**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
International Conference on Engineering Technologies, 7 - 09 December 2017
- XXXI. **DENİZ SUYUNDAKİ KİRLETİCİ VE AĞIR METALLERİN GİDERİLMESİ İÇİN GÖZENEKSİZ MEMBRAN**

## HAZIRLANMASI VE UYGULAMASI

UĞUR NİGİZ F.

Ulusal Çevre, Deniz ve Kıyı Kirliliği Sempozyumu, Turkey, 10 - 12 October 2017

- XXXII. **Fabrication and characterization of a water selective membrane to enhance the conversion of esterification**  
UĞUR NİGİZ F., YENİHAN N., HİLMİOĞLU N.  
4th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESN-2017), 4 - 08 October 2017
- XXXIII. **Removal of heavy metals and hydrated ions from the water using an emerging membrane technology**  
UĞUR NİGİZ F.  
VIII. INTERNATIONAL SYMPOSIUM ON ECOLOGY AND ENVIRONMENTAL PROBLEMS, 4 - 07 October 2017
- XXXIV. **Hydrogen separation by fabrication of a ZSM-5 incorporated poly(vinyl alcohol) membrane**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
iseep-2017 viii. international symposium on ecology and environmental problems, 4 - 07 October 2017
- XXXV. **Fabrication of ZSM-5 incorporated poly(vinyl alcohol) membrane for desalination**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
Second International Conference On Advances In Science, 13 - 15 September 2017
- XXXVI. **Single-stage reactive separation system design and application to synthesize lauric acid ester**  
UĞUR NİGİZ F.  
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- XXXVII. **A Novel Polyvinyl Alcohol – Polyethylene Glycol Composite Membrane Fabrication for CO2 Separation from Gas Mixture**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
IV. International Multidisciplinary Eurasian Congress, 23 - 25 August 2017
- XXXVIII. **Heteropoly acid loaded catalytic membrane preparation and using for valeric acid ester synthesis**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
IV. International Multidisciplinary Eurasian Congress, 23 - 25 August 2017
- XXXIX. **An Alternative Method for Fresh Water Supplying Pervaporative Desalination of Seawater Using Polyvinylidene Fluoride Based Membrane**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
IWA Young Water professionals conference, 24 - 27 May 2017
- XL. **Fabrication of clinoptilolite/Cellulose Composite Membrane For CO2 Separation From Flue Gas**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
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- XLI. **Silikalit katkılı termoplastik poliüretan membranların hazırlanması ve sulardan uçucu organik bileşenlerin gideriminde kullanılması**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
3. Ulusal Kauçuk Kongresi (Uluslararası katılımlı), 25 - 26 November 2016
- XLII. **PREPARATION AND ANALYSIS OF MIXED MATRIX GAS SEPARATION MEMBRANE FOR HYDROGEN REMOVAL FROM WASTE GAS**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
10th INTERNATIONAL CLEAN ENERGY SYMPOSIUM (ICES), 24 - 26 October 2016
- XLIII. **Carbon black loaded composite poly dimethyl siloxane membrane preparation and application for hazardous chemical removal from water**  
UĞUR NİGİZ F., ÜNLÜ D., HİLMİOĞLU N.  
3rd International Conference on Computational and Experimental Science and Engineering, 19 - 24 October 2016
- XLIV. **Biodiesel Synthesis By The Green Catalyst A Solution To Global Warming**  
ÜNLÜ D., UĞUR NİGİZ F., HİLMİOĞLU N.  
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- XLV. **Atık Gazlardan Hidrojen Gerikazanımı İçin 3A Zeoliti Katkılı Selüloz Membranların Hazırlanması**  
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12. Ulusal Kimya Mühendisliği Kongresi, Turkey, 23 - 26 August 2016

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UĞUR NİGİZ F., HİLMİOĞLU N.

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XLVIII. **Vacuum Stripping Membrane Desalination for Marmara Sea Water**

UĞUR NİGİZ F., HİLMİOĞLU N.

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UĞUR NİGİZ F., HİLMİOĞLU N.

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L. **Biobased Fuel Additive Sythesis by Using a Reactive Polymer**

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LI. **Phosphotungstic Acid Loaded Cellulose Membrane Preparation For Catalytic Membrane Reactor**

UĞUR NİGİZ F., HİLMİOĞLU N.

The 6th Catalysis Conference, 27 - 30 April 2016

LII. **A Reactive Polymeric Mambrane Synthesis For One Stage Reaction-Seperation System**

UĞUR NİGİZ F., HİLMİOĞLU N.

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LIII. **Zeolite Filled Poly vinyl alcohol Catalytic Membrane Preparation and Application**

UĞUR NİGİZ F., HİLMİOĞLU N.

International Porous Powders Materials, 15 - 18 September 2015

LIV. **Ester Production in a Pervaporation aided Catalytic Membrane Reactor**

UĞUR NİGİZ F., HİLMİOĞLU N.

International Porous Powders Materials, 15 - 18 September 2015

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UĞUR NİGİZ F., HİLMİOĞLU N.

Global Conference on Global Warming, 24 - 27 May 2015

LVI. **Enzim tutuklu aljinat membran üretimi ve ester sentezi**

UĞUR NİGİZ F., HİLMİOĞLU N.

Onbirinci Ulusal Kimya Mühendisliği Kongresi (2014), Turkey, 5 - 07 September 2014

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UĞUR NİGİZ F., HİLMİOĞLU N.

2nd International Symposium On Innovative Technologies In Engineering And Science ( 2014), 18 - 20 June 2014

LVIII. **Green Solvent Sythesis From Biomass Based Source By Biocatalytic Membrane Reactor**

UĞUR NİGİZ F., HİLMİOĞLU N.

International Conference on Clean Energy 2014 (ICCE-2014), 8 - 12 June 2014

LIX. **Bioethanol Production From Molasses By Pervaporation Membrane Bioreactor**

UĞUR NİGİZ F., HİLMİOĞLU N.

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LX. **Seawater Desalination by Pervaporation Using Composite Cellulose Based Membrane**

UĞUR NİGİZ F., HİLMİOĞLU N.

International Recycling and Reuse Conference, 4 - 06 June 2014

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UĞUR NİGİZ F., HİLMİOĞLU N.

5. Ulusal Kataliz Kongresi (2014), Turkey, 15 - 17 April 2014

LXII. **Efficient removal of organic pollutants from wastewater by pervaporation**

UĞUR NİGİZ F., ÜNLÜ D., HİLMİOĞLU N.

International Conference On Application Of Nanotechnology In Membranes For Water Treatment, 8 - 10 October 2013

**LXIII. Acetic acid removal from wastewater by reactive membrane**

ÜNLÜ D., UĞUR NİGİZ F., HİLMİOĞLU N.

International conference on application of nanotechnology in membranes for water treatment, 8 - 10 October 2013

**LXIV. Zeolite filled polyvinylalcohol membrane preparation and alcohol dehydration by pervaporation**

UĞUR NİGİZ F., HİLMİOĞLU N.

International Porous Powder and Materials Symposium and Exhibition, 3 - 06 September 2013

**LXV. Composite Membrane Synthesis for pervaporation membrane bioreactor**

UĞUR NİGİZ F., HİLMİOĞLU N.

International Porous Powder and Materials Symposium and Exhibition, 3 - 06 September 2013

**LXVI. Bioethanol Production by Pervaporation Membrane Reactor**

UĞUR NİGİZ F., HİLMİOĞLU N.

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**LXVII. Desalination via Innovative Membrane Process**

UĞUR NİGİZ F., HİLMİOĞLU N.

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**LXVIII. Industrial wastewater treatment with membrane process**

ÜNLÜ D., UĞUR NİGİZ F., HİLMİOĞLU N.

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UĞUR NİGİZ F., ÜNLÜ D., HİLMİOĞLU N.

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**LXX. Hydrophobic Nonporous Membrane Preparation and Pervaporation Application**

UĞUR NİGİZ F., HİLMİOĞLU N.

1. Uluslararası Plastik Kauçuk Teknolojileri Sempozyumu ve Ürün Sergisi, 14 - 16 May 2013

**LXXI. Atık Sudan Uçucu Organik Bileşen Toluenin Ekonomik Olarak Ayrılması: Pervaporasyon İle Arıtma**

ÜNLÜ D., UĞUR NİGİZ F., HİLMİOĞLU N.

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**LXXII. DENİZ SUYUNUN YÜKSEK VERİMLE SAFLAŞTIRILMASI: PERVAPORASYONLA TUZ GİDERİMİ**

UĞUR NİGİZ F., ÜNLÜ D., HİLMİOĞLU N.

1. Uluslararası Endüstriyel Su Teknolojileri Sempozyumu ve Fuarı, 6 - 09 December 2012

**LXXIII. Zeolit Katkılı Poli(dimetil siloksan) Membran ile Saflaştırma İşlemi**

UĞUR NİGİZ F., HİLMİOĞLU N.

1. Ulusal Kauçuk Kongresi, Turkey, 14 - 15 September 2012

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UĞUR NİGİZ F., HİLMİOĞLU N.

Onuncu Ulusal Kimya Mühendisliği Kongresi, (UKMK 10), Turkey, 3 - 06 September 2012

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- LXXVIII. **ETKİN VE TEMİZ YANMA SAĞLAYAN BİYOETANOLÜN PERVAPORASYON İLE EKONOMİK OLARAK SAFLAŞTIRILMASI**  
ÜNLÜ D., NİHAT y., UĞUR NİGİZ F., HİLMİOĞLU N.  
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- LXXIX. **Pervaportaion of ethanol water mixtures by zeolite filled sodium alginate membrane**  
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- LXXX. **Investigation of the Esterification Reaction in the Presence of Catalytic Membrane as a Catalyst Using Pervaporation Membrane Reactor**  
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- LXXXI. **Application of Pervaporation Catalytic Membrane Reactor for the Esterification Reaction**  
ÜNLÜ D., UĞUR NİGİZ F., HİLMİOĞLU N.  
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- LXXXII. **Sodyum alginat membranların hazırlanması ve pervaporasyon uygulaması**  
UĞUR NİGİZ F., HİLMİOĞLU N.  
II. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Turkey, 2 - 03 November 2011
- LXXXIII. **Tarım Atıklarından Üretilen Biyoetanolün Saflaştırılmasında Enerji Ekonomisi: Pervaporasyon**  
UĞUR NİGİZ F., ÜNLÜ D., HİLMİOĞLU N.  
VI. Yeni Ve Yenilenebilir Enerji Kaynakları Sempozyumu, Turkey, 21 - 22 October 2011
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- LXXXV. **Pervaporasyon Membran Reaktörler ile Kimyasal Proseslerde Enerji Verimliliği**  
UĞUR NİGİZ F., EVRA b., İNSAF DAMLA t., HİLMİOĞLU N.  
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- LXXXVI. **Yakıt Etanolün Selüloz Asetat Membran Kullanılarak Pervaporasyon ile Susuzlaştırılması**  
UĞUR NİGİZ F., DURMUŞ M., YAMAN P., GÜLER T., HİLMİOĞLU N.  
3. Ulusal Polimer Bilim ve Teknolojisi Kongre ve Sergisi, Turkey, 12 - 14 May 2010
- LXXXVII. **Kitosan Membranda Sorpsiyon", Hande Berk, Pelin Hamamcioğlu**  
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- LXXXVIII. **Biyoyakıt saflaştırılmasında çevre dostu membran prosesinin uygulanabilirliğinin araştırılması**  
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## Activities in Scientific Journals

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

## Citations

Total Citations (WOS):195

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