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Personal Information

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Education Information

Doctorate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1991 - 1998

Postgraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1987 - 1990

Undergraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1983 - 1987

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Chemical Engineering and Technology, Membrane Technology, Basic Operations and Thermodynamics, Heat Transfer, Separation Operations, Mass Transfer, Transport Events, Engineering and Technology

Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, 2017 - Continues

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, 2011 - 2017

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, 2003 - 2011

Research Assistant PhD, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, 1998 - 2003

Research Assistant, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, 1991 - 1998

Academic and Administrative Experience

Head of Department, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, 2019 - 2022

Head of Department, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, 2019 - 2022

Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, 2017 - 2019

Kocaeli Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2005 - 2010

Courses

Mass Transfer, Undergraduate

Unit operationsin chemical engineering, Undergraduate

TRANSPORT PHENOMENA, Postgraduate
MEMBRANE AND MEMBRANE PROCESSES, Postgraduate
Operations involving solid particles, Undergraduate
ADVANCED MASS TRANSFER, Doctorate
Membran Technology, Undergraduate
Kimya Mühendisliği Tasarımı, Undergraduate
Kaynak Araştırma ve Rapor Yazma Teknikleri, Undergraduate
Matematiksel Modelleme, Undergraduate
Kimya Mühendisliği Laboratuvarı, Undergraduate

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Applicability of membrane reactor for producing environment fuel additive carbonate**
Yuzer N. Y. , Hilmioğlu N.
GLOBAL NEST JOURNAL, vol.23, no.2, pp.209-217, 2021 (Journal Indexed in SCI)
- II. **REMOVAL OF AMMONIUM FROM AQUEOUS SOLUTIONS BY ADSORPTION PROCESSES USING ENVIRONMENT FRIENDLY NATURAL BIOPOLYMER CHITOSAN**
Oktor K., Hilmioğlu N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.30, no.2A, pp.1970-1976, 2021 (Journal Indexed in SCI)
- III. **Pervaporative Separation of Mixed Volatile Fatty Acids: A Study Towards Integrated VFA Production and Separation**
YESİL H., TANER h., UĞUR NİGİZ F., HİLMİOĞLU N., TUĞTAŞ KARNABAT A. E.
WASTE AND BIOMASS VALORIZATION, vol.11, no.5, pp.1737-1753, 2020 (Journal Indexed in SCI)
- IV. **Enhanced hydrogen purification by graphene - Poly(Dimethyl siloxane) membrane**
Uğur Nigiz F., Hilmioğlu N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.5, pp.3549-3557, 2020 (Journal Indexed in SCI)
- V. **Application of aspen plus to renewable hydrogen production from glycerol by steam reforming**
Unlu D., HİLMİOĞLU N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.5, pp.3509-3515, 2020 (Journal Indexed in SCI)
- VI. **Multi-walled carbon nanotube doped PVA membrane for desalination**
Yilman B., Nigiz F., AYTAÇ A., HİLMİOĞLU N.
WATER SCIENCE AND TECHNOLOGY-WATER SUPPLY, vol.19, no.4, pp.1229-1237, 2019 (Journal Indexed in SCI)
- VII. **Production of Fuel Bioadditive "Triacetin" Using a Phosphomolybdic-Acid-Loaded PVA Membrane in a Pervaporation Catalytic Membrane Reactor**
Unlu D., Hilmioğlu N.
ENERGY & FUELS, vol.33, no.3, pp.2208-2218, 2019 (Journal Indexed in SCI)
- VIII. **Pervaporative desalination of seawater using a polyvinylidene fluoride based membrane**
NIGİZ F., HİLMİOĞLU N.
WATER SCIENCE AND TECHNOLOGY-WATER SUPPLY, vol.18, no.5, pp.1674-1681, 2018 (Journal Indexed in SCI)
- IX. **Pervaporation catalytic membrane reactor application over functional chitosan membrane**
Unlu D., Hilmioğlu N.
JOURNAL OF MEMBRANE SCIENCE, vol.559, pp.138-147, 2018 (Journal Indexed in SCI)
- X. **Ethyl Lactate Synthesis by Catalytic Membranes in a Pervaporation-Assisted Membrane Reactor**
NIGİZ F., Hilmioğlu N.
CHEMICAL ENGINEERING & TECHNOLOGY, vol.41, no.4, pp.836-844, 2018 (Journal Indexed in SCI)
- XI. **Improvement of fuel properties of biodiesel with bioadditive ethyl levulinate**
Unlu D., Boz N., İLGEN O., HİLMİOĞLU N.
OPEN CHEMISTRY, vol.16, no.1, pp.647-652, 2018 (Journal Indexed in SCI)
- XII. **Fabrication of a novel polyhedral oligomeric silsesquioxanes/polyether-block-amide nano-hybrid membrane for pervaporative separation of model fuel butanol**

- NIGIZ F., Hilmioglu N.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, no.34, 2017 (Journal Indexed in SCI)
- XIII. **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)
- XIV. **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)
- XV. **Applicability of a TSA/ZrO₂ catalytic membrane for the production of ethyl levulinate as raw material of gamma-valerolactone**
Unlu D., Hilmioglu N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.33, pp.21487-21494, 2017 (Journal Indexed in SCI)
- XVI. **A study on composite catalytic membrane manufacturing based on sodium alginate and lipase to be used in a pervaporation reactor**
NIGIZ F., Hilmioglu N.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.43, no.2, pp.1149-1163, 2017 (Journal Indexed in SCI)
- XVII. **Reactive separation system for effective upgrade of levulinic acid into ethyl levulinate**
Unlu D., İLGEN O., Hilmioglu N.
CHEMICAL ENGINEERING RESEARCH & DESIGN, vol.118, pp.248-258, 2017 (Journal Indexed in SCI)
- XVIII. **Removal of Acetone from Wastewater by POSS Loaded PDMS Membrane**
NIGIZ F., Hilmioglu N.
PERIODICA POLYTECHNICA-CHEMICAL ENGINEERING, vol.61, no.3, pp.163-170, 2017 (Journal Indexed in SCI)
- XIX. **Biodiesel additive ethyl levulinate synthesis by catalytic membrane: SO₄-2/ZrO₂ loaded hydroxyethyl cellulose**
Unlu D., İLGEN O., Hilmioglu N.
CHEMICAL ENGINEERING JOURNAL, vol.302, pp.260-268, 2016 (Journal Indexed in SCI)
- XX. **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)
- XXI. **Simultaneous separation performance of a catalytic membrane reactor for ethyl lactate production by using boric acid coated carboxymethyl cellulose membrane**
NIGIZ F., Hilmioglu N.
REACTION KINETICS MECHANISMS AND CATALYSIS, vol.118, no.2, pp.557-575, 2016 (Journal Indexed in SCI)
- XXII. **Synthesis of Ethyl Levulinate as a Fuel Bioadditive by a Novel Catalytically Active Pervaporation Membrane**
Unlu D., Hilmioglu N.
ENERGY & FUELS, vol.30, no.4, pp.2997-3003, 2016 (Journal Indexed in SCI)
- XXIII. **Pervaporative desalination of seawater by using composite and blended poly (vinyl alcohol) membranes**
NIGIZ F., Hilmioglu N.
DESALINATION AND WATER TREATMENT, vol.57, no.11, pp.4749-4755, 2016 (Journal Indexed in SCI)
- XXIV. **Removal of acetic acid from wastewater by esterification in the membrane reactor**
Unlu D., Hilmioglu N.
MEMBRANE WATER TREATMENT, vol.7, no.2, pp.143-154, 2016 (Journal Indexed in SCI)
- XXV. **Pervaporation catalytic membrane reactor study for the production of ethyl acetate using Zr(SO₄)(2)center dot 4H(2)O coated chitosan membrane**
Unlu D., Hilmioglu N.

- JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.91, no.1, pp.122-130, 2016 (Journal Indexed in SCI)
- XXVI. **Anhydrous fuel ethanol production by a combined hydrophobic-hydrophilic pervaporation system**
NIGIZ F., Hilmioglu N.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.22, pp.3348-3353, 2016 (Journal Indexed in SCI)
- XXVII. **DEHYDRATION OF ETHANOL-WATER MIXTURES BY PERVAPORATION USING HYDROXYETHYL CELLULOSE MEMBRANE**
Unlu D., Hilmioglu N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.9, pp.3734-3739, 2016 (Journal Indexed in SCI)
- XXVIII. **Green solvent synthesis from biomass based source by biocatalytic membrane reactor**
NIGIZ F., Hilmioglu N.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.40, no.1, pp.71-80, 2016 (Journal Indexed in SCI)
- XXIX. **Fuel bioadditive production by chitosan/sulfosuccinic acid catalytic membrane**
Unlu D., Hilmioglu N.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.24, pp.3606-3611, 2016 (Journal Indexed in SCI)
- XXX. **Novel environmental friendly process for reducing the sulphur level in fuel: pervaporation**
NIGIZ F., Hilmioglu N.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.6, no.4, pp.455-465, 2014 (Journal Indexed in SCI)
- XXXI. **Pervaporation of ethanol/water mixtures by zeolite filled sodium alginate membrane**
NIGIZ F., Hilmioglu N.
DESALINATION AND WATER TREATMENT, vol.51, pp.637-643, 2013 (Journal Indexed in SCI)
- XXXII. **Pervaporative separation of isopropyl alcohol/water mixtures: effects of the operation conditions**
Hilmioglu N., Tulbentci S.
DESALINATION AND WATER TREATMENT, vol.48, pp.191-198, 2012 (Journal Indexed in SCI)
- XXXIII. **Pervaporation of ethanol/water mixtures using clinoptilolite and 4A filled sodium alginate membranes**
NIGIZ F., DOĞAN H., Hilmioglu N.
DESALINATION, vol.300, pp.24-31, 2012 (Journal Indexed in SCI)
- XXXIV. **SEPARATION OF ALCOHOL/ETHER MIXTURES BY PERVAPORATION: EFFECTS OF THE OPERATION CONDITIONS**
Hilmioglu N., Tulbentci S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.21, no.6, pp.1448-1453, 2012 (Journal Indexed in SCI)
- XXXV. **Chitosan coated zeolite filled regenerated cellulose membrane for dehydration of ethylene glycol/water mixtures by pervaporation**
DOĞAN H., Hilmioglu N.
DESALINATION, vol.258, pp.120-127, 2010 (Journal Indexed in SCI)
- XXXVI. **Zeolite-filled regenerated cellulose membranes for pervaporative dehydration of glycerol**
DOĞAN H., Hilmioglu N.
VACUUM, vol.84, no.9, pp.1123-1132, 2010 (Journal Indexed in SCI)
- XXXVII. **Dissolution of cellulose with NMMO by microwave heating**
DOĞAN H., Hilmioglu N.
CARBOHYDRATE POLYMERS, vol.75, no.1, pp.90-94, 2009 (Journal Indexed in SCI)
- XXXVIII. **Separation of benzene/cyclohexane mixtures by pervaporation using PEBA membranes**
YILDIRIM A. E., Hilmioglu N., Tulbentci S.
DESALINATION, vol.219, pp.14-25, 2008 (Journal Indexed in SCI)
- XXXIX. **Pervaporation of MTBE/methanol mixtures through PVA membranes**
Hilmioglu N., TULBENTCI S.
DESALINATION, vol.160, no.3, pp.263-270, 2004 (Journal Indexed in SCI)
- XL. **Separation of IPA/water mixtures by pervaporation: sorption and pervaporation results**

HİLMİOĞLU N., TULBENTCI S.

VACUUM, vol.72, no.1, pp.35-40, 2003 (Journal Indexed in SCI)

XLI. Pervaporation Separation of Benzene/Cyclohexane Mixtures by Poly(vinyl chloride) Membranes

HİLMİOĞLU N., TULBENTCI S.

CHEMIE INGENIEUR TECHNIK, vol.24, no.3, pp.275-279, 2001 (Journal Indexed in SCI)

XLII. Acetic acid dehydration by pervaporation

HİLMİOĞLU N., yıldırım A. E. , Sakaoğlu S., Tülbentçi S.

CHEMICAL ENGINEERING AND PROCESSING, vol.40, pp.263-267, 2001 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Optimization of Synthesis of Ethyl Acetate by Response Surface Method and Investigation of Reactive Sorption Effect of Hydrogel in Synthesis**
Hilmioğlu N.
Avrupa Bilim ve Teknoloji Dergisi, no.35, pp.94-101, 2022 (Other Refereed National Journals)
- II. **Yakıt Katkısı Gliserin Karbonatın Pervaporasyon Destekli Sentezi**
Güler H., Yenihan Yüzer N., HİLMİOĞLU N.
Bayburt Üniversitesi Fen Bilimleri Dergisi, vol.4, no.1, pp.37-41, 2021 (Other Refereed National Journals)
- III. **Yakıt Katkı Maddeleri Solketal ve Solketal Tersiyer Butil Eter Üretimini İncelenmesi**
Yenihan Yüzer N., Güler H., HİLMİOĞLU N.
Bayburt Üniversitesi Fen Bilimleri Dergisi, vol.4, no.1, pp.29-36, 2021 (Other Refereed National Journals)
- IV. **Purification of emulsified oil by Bentonite loaded polyvinylidene fluoride/polyvinylpyrrolidone membrane**
Nigiz F. U. , Yucak A. I. , Hilmioğlu N.
WATER PRACTICE AND TECHNOLOGY, vol.15, no.2, pp.394-403, 2020 (Journal Indexed in ESCI)
- V. **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)
- VI. **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)
- VII. **UÇAKLARDA BUZLANMA VE BUZLANMAYI ÖNLEYECEK YÖNTEMLER**
ÜNLÜ D., HİLMİOĞLU N.
Sürdürülebilir Havacılık Araştırmaları Dergisi, 2017 (Other Refereed National Journals)
- VIII. **Fuel butanol dehydration by using a membrane based pervaporation method**
UĞUR NİGİZ F., HİLMİOĞLU N.
Research on Engineering Structures and Materials, vol.3, pp.176-184, 2017 (Refereed Journals of Other Institutions)
- IX. **ETHYL ACETATE SYNTHESIS BY CHITOSAN/ POLY(VINYLPYRROLIDONE) BLEND MEMBRANE IN PERVAPOARATION MEMBRANE REACTOR**
ÜNLÜ D., HACIOĞLU A., HİLMİOĞLU N.
/ Journal of the Turkish Chemical Society, Section B: Chemical Engineering, vol.1, pp.25-38, 2017 (Refereed Journals of Other Institutions)
- X. **PRODUCTION OF BIOADDITIVE ETHYL LEVULINATE IN THE CATALYTIC MEMBRANE REACTOR**
ÜNLÜ D., HİLMİOĞLU N.
Journal of the Turkish Chemical Society, Section B: Chemical Engineering, vol.1, pp.1-12, 2017 (Refereed Journals of Other Institutions)
- XI. **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, pp.89-97, 2017 (Refereed Journals of Other Institutions)

XII. 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)

XIII. Potential fuel bioadditive ethyl levulinate production for the aviation fuel

Unlu D., Hilmioglu N.

INTERNATIONAL JOURNAL OF SUSTAINABLE AVIATION, vol.2, no.4, pp.338-347, 2016 (Journal Indexed in ESCI)

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, 2016 (Other Refereed National Journals)

XV. Kitosan/Sülfosükinik Asitten Oluşan Katalitik Membran ile Gliserolün Esterleşme Reaksiyonunun İncelenmesi

UNLU D., HİLMİOĞLU N.

Anadolu Üniversitesi Bilim ve Teknoloji Dergisi A-Uygulamalı Bilimler ve Mühendislik, vol.16, no.2, pp.249-254, 2015 (National Refreed University Journal)

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

UĞUR NİGİZ F., HİLMİOĞLU N.

Kauçuk dergisi, pp.32-38, 2014 (National Non-Refereed Journal)

XVII. Desalination via Innovative Membrane Process

UĞUR NİGİZ F., HİLMİOĞLU N.

Journal of Selçuk University Natural and Applied Science, 2013 (Refereed Journals of Other Institutions)

XVIII. Bioethanol Production by Pervaporation Membrane Bioreactor

UĞUR NİGİZ F., HİLMİOĞLU N.

Journal of Selçuk University Natural and Applied Science, 2013 (Refereed Journals of Other Institutions)

XIX. Purification of Fuel Bioethanol by Pervaporation

UNLU D., HİLMİOĞLU N.

Journal of Selçuk University Natural and Applied Science, vol.1, pp.760-767, 2013 (National Refreed University Journal)

XX. 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)

XXI. Bioethanol recovery using the pervaporation separation technique

HİLMİOĞLU N.

Management of Environmental Quality: An International Journal, vol.20, no.2, pp.165-174, 2009 (Refereed Journals of Other Institutions)

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. BIOADDITIVE SYNTHESIS FROM GLYCEROL BY ESTERIFICATION USING CATALYTIC CHITOSAN

MEMBRANE, chapter 53

ÜNLÜ D., HİLMİOĞLU N.

in: Progress in Clean Energy Volume 1 Analysis and Modeling, Dincer, I., Colpan, C.O., Kizilkan, O., Ezan, M.A. , Editor, Springer, pp.725-737, 2015

IV. Bioethanol Production From Molasses By Pervaporation Membrane Bioreactor, Chapter 8

UĞUR NİGİZ F., HİLMİOĞLU N.

in: Progress in Clean Energy Volume 2 Novel Systems and Applications, Dincer, I., Colpan, C.O., Kizilkan, O., Ezan, M.A, Editor, Springer, pp.93-104, 2015

V. Bioethanol Production from Molasses by Pervaporation Membrane Bioreactor

UĞUR NİGİZ F., HİLMİOĞLU N.

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VI. 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

VII. CLEAN TECHNOLOGY FOR VOC 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.709-721, 2013

VIII. A Pervaporation Application for Treating Methyl tert- Butyl Ether (MTBE) -Contaminated Water/Wastewater

HİLMİOĞLU N., YILDIRIM A. E. , TÜLBENTÇİ S.

in: GREEN ENERGY AND TECHNOLOGY Global Warming Engineering Solutions, Ibrahim Dincer, Arif Hepbasli, Adnan Midilli, T. Hikmet Karakoc, Editor, Springer, pp.555-563, 2010

Refereed Congress / Symposium Publications in Proceedings

I. BİYOPOLİMER TEMELLİ ADSORBAN KÜRELERİN HAZIRLANMASI VE SULARDAN DOĞAL ORGANİK MADDE HÜMİK ASİT GİDERİMİNDE KULLANIMININ İNCELENMESİ

HİLMİOĞLU N., Yumat E.

International Marmara Sciences Congress (Imascon Autumn) 2021, Kocaeli, Turkey, 10 December 2021, pp.496-500

II. INVESTIGATION OF THE USE OF CATALYTIC MEMBRANES IN CHEMICAL REACTIONS

HİLMİOĞLU N., Güler H., Yenihan Yüzer N.

International Marmara Sciences Congress (Spring) 2021, 21 - 22 May 2021, pp.18

III. YAKIT KATKI MADDELERİ SOLKETAL VE SOLKETAL TERSİYER BUTİLETER ÜRETİMİNİN İNCELENMESİ

HİLMİOĞLU N., Yenihan Yüzer N., Güler H.

International Marmara Sciences Congress (Imascon 2020 – Autumn), 4 - 05 December 2020, pp.48-49

IV. PERVAPORASYON DESTEKLİ GLİSEROL KARBONAT SENTEZİ

Güler H., Yenihan Yüzer N., HİLMİOĞLU N.

International Marmara Sciences Congress (Imascon 2020 – Autumn), 4 - 05 December 2020, pp.46-47

V. GLİSERİN KARBONATIN ÜRETİMİNDE OLUŞAN YAN ÜRÜNÜN TUTULMASI İÇİN MEMBRAN GELİŞTİRİLMESİ

Güler H., Yenihan Yüzer N., Hilmioğlu N.

International Marmara Sciences Congress (Spring) 2020, Kocaeli, Turkey, 19 - 20 June 2020, pp.494-497

VI. POLİ (VİNİL ALKOL) HİDROJEL PARÇACIKLARIN ESTERLEŞME REAKSİYONUNA ETKİSİNİN İNCELENMESİ

Hilmioğlu N., Yenihan Yüzer N., Güler H.

International Marmara Sciences Congress (Spring) 2020, Kocaeli, Turkey, 19 - 20 June 2020, pp.488-493

- VII. **ATIK SULARDAN YAĞ VE SOLVENT GİDERİMİ İÇİN YUMURTA KABUĞU İLE KİTOSANDAN OLUŞAN ADSORBAN MEMBRAN GELİŞTİRİLMESİ**
Yenihan Yüzer N., Hilmioğlu N.
International Marmara Science Sciences Congress (imascon 2019 autumn), Kocaeli, Turkey, 1 - 03 November 2019, pp.27-28
- VIII. **Biodiesel synthesis by reactive sorption using hydrophilic polymer and homogenous catalyst**
Güler H., HİLMİOĞLU N.
5th International Turkic World Confeernce on Chemical Scieences and Technologies (itwccst), 25-29 Ekim 2019, Sakarya, 25 - 29 October 2019
- IX. **Fuel additive solketal synthesis using catalytic membrane**
Güler H., İlgen O., Hilmioğlu N.
5th International Turkic World Conference on Chemical Scieences and Technologies, Sakarya, Turkey, 25 - 29 October 2019, pp.85-87
- X. **Purification of emulsified oil by Polyvinylidene Fluoride/polyvinylpyrrolidone Membrane**
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- LXXVIII. **Ester Production in a Pervaporation aided Catalytic Membrane Reactor**

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- LXXXIX. **BIOADDITIVE SYNTHESIS FROM GLYCEROL BY ESTERIFICATION USING CATALYTIC CHITOSAN MEMBRANE**
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- XCI. **Bioethanol Production From Molasses By Pervaporation Membrane Bioreactor**
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- XCII. **Recovery of Acetic Acid by Innovative Process Pervaporation Membrane Reactor**
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- XCIII. **Seawater Desalination by Pervaporation Using Composite Cellulose Based Membrane**

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- CII. Bioethanol Production by Pervaporation Membrane Reactor**
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- CIII. Desalination via Innovative Membrane Process**
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- CIV. Purification of Fuel Bioethanol by Pervaporation**
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- CV. Preparation of Hydrophilic Membran from Biodegradeble Polymer Chitosan and Determination of Interaction Parameters**
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- CVI. Industrial wastewater treatment with membrane process**
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- CVII. Recovery of Water and Organic Compounds from Industrial Waste Water**
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