

Assoc. Prof. Sennur DENİZ

Personal Information

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Education Information

Doctorate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Kimya Mühendisliği, Turkey
1992 - 2002

Postgraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Kimya Mühendisliği, Turkey
1989 - 1991

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Kimya Mühendisliği,
Turkey 1984 - 1989

Foreign Languages

English, C1 Advanced

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Polymer Technology, Membrane Technology, Chemistry, Physical Chemistry, nanocomposites, Polymeric Films, Polymeric Materials, Organic Chemistry, Chemistry of Macromolecules, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2024 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2006 - Continues

Courses

Polimer İşleme Teknik. Ve Model, Postgraduate, 2020 - 2021, 2018 - 2019, 2016 - 2017

Mühendisler İçin Fiziksel Kimya Gr 1, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Polimer Nanokompozitler ve Uygulam., Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016

Membran Teknolojileri, Postgraduate, 2019 - 2020, 2013 - 2014
Polimerlerin İşlenmesi Gr 1, Undergraduate, 2017 - 2018
Kimya Mühendisliği Uygulamaları Gr 17, Undergraduate, 2017 - 2018
Polimer Üretimi ve Teknolojisi, Undergraduate, 2015 - 2016
Membran Teknolojileri, Postgraduate, 2015 - 2016
Polimerlerin İşlenmesi, Undergraduate, 2013 - 2014
Polimer Mühendisliği Esasları, Undergraduate, 2011 - 2012

Advising Theses

Deniz S., Antimikrobiyal ve Biyobozunur Ambalaj Filmlerinin Hazırlanması ve Karakterizasyonu, Doctorate, A.Tuğçe(Student), Continues
Deniz S., GERİ DÖNÜŞÜMLÜ POLİOLEFİN ESASLI ESNEK AMBALAJ FİLMERİN HAZIRLANMASI, Postgraduate, E.YILMAZ(Student), Continues
Deniz S., BİYOBOZUNUR POLİMERLERDEN AMBALAJ FİLMERİNİN HAZIRLANMASI VE KARAKTERİZASYONU, Doctorate, Ö.Yolaçan(Student), 2024
Deniz S., Antibakteriyel sentetik ve doğal elyafların hazırlanması ve karakterizasyonu, Postgraduate, B.YENİDOĞAN(Student), 2024
Deniz S., Kaju fıstığı kabuğundan elde edilen kardanolden biyo esaslı Mannich poliöl sentezi ile poliüretan köpüklerin üretimi ve özellikleri, Postgraduate, E.DUYGU(Student), 2024
Deniz S., BİYOBOZUNUR POLİMER NANOKOMPOZİTLERİN SENTEZİ VE AMBALAJ FİLMERİNİN HAZIRLANMASI, Postgraduate, S.KOSHKI(Student), 2024
Deniz S., BİYOPOLİOLLER İLE ANTİBAKTERİYEL POLİÜRETAN NANOKOMPOZİT FİLMERİN ÜRETİMİ VE TEKSTİL UYGULAMALARI, Doctorate, S.NİGAR(Student), 2024
Deniz S., Biyopolimerler ile Biyokompozit Ambalajların Hazırlanması ve Karakterizasyonu, Doctorate, C.ALPAŞLAN(Student), 2024
Deniz S., Biyopolimer esaslı karışık matris membranların hazırlanması ve gaz geçirgenlik özellikleri, Postgraduate, Ö.YERCİ(Student), 2023
Deniz S., Yüksek sıcaklık uygulamaları için farklı silika formları ile ablatif termoset kompozitlerin geliştirilmesi, Postgraduate, C.AYDIN(Student), 2023
Deniz S., Metal organik kafes yapılar ve grafen oksit ile karışık matris membranların hazırlanması ve gaz ayırma özellikleri, Postgraduate, S.ÇANÇA(Student), 2023
Deniz S., PET Esaslı Kompozitlerin Üretimi ve Karakterizasyonu, Postgraduate, M.Eldem(Student), 2022
Deniz S., POLİLAKTİK ASİT VE POLİKAPROLAKTON ESASLI BİYOBOZUNUR ESNEK AMBALAJ FİLMERİNİN HAZIRLANMASI, Postgraduate, N.DENİZ(Student), 2022
Deniz S., METAL ORGANİK KAFES YAPILAR İLE POLİMER NANOKOMPOZİT MEMBRANLARIN HAZIRLANMASI VE CO₂ AYIRMA ÖZELLİKLERİ, Postgraduate, N.ÇELİK(Student), 2022
Deniz S., UZUN CAM ELYAF KATKILI POLİPROPİLEN KOMPOZİT ATIKLARININ GERİ DÖNÜŞÜMÜ VE DEĞERLENDİRİLMESİ, Postgraduate, E.Sözen(Student), 2021
Deniz S., Metal Organik Kafes Katkılı Poli(eter-b-amid) Membranların Hazırlanması ve Gaz Ayırma Özellikleri, Postgraduate, Y.Bartu(Student), 2019
Deniz S., Biyoyumlu polimer filmlerin hazırlanması ve karakterizasyonu, Postgraduate, S.ARİCAN(Student), 2019
Deniz S., Bitkisel Esaslı ve Petrokimyasal Poliöl Karışımlarından Poliüretan Filmlerin Sentezi ve Karakterizasyonu, Postgraduate, S.TURPÇU(Student), 2019
Deniz S., Metal Organik Kafes Yapılar (MOF) ve Zeolitik İmidazolat Kafes Yapılı (ZIF) Nanodolgu Sentezi ve Polimer Nanokompozitlerin Hazırlanması, Postgraduate, E.Baycan(Student), 2017
Deniz S., Alkid Reçine Nanokompozitlerinin Hazırlanması ve Karakterizasyonu, Postgraduate, A.Güler(Student), 2016
Deniz S., Polietilen/Kil Nanokompozitlerin Hazırlanması ve Karakterizasyonu, Postgraduate, C.Alpaşlan(Student), 2016
Deniz S., Metal Organik Kafes Yapılar (MOF) ile Polimer Nanokompozit Membranların Hazırlanması ve Gaz Ayırma Performansının Değerlendirilmesi, Postgraduate, G.Pınar(Student), 2016

Deniz S., Polimer Nanokompozit Membranların Alkol/Su Soprsiyonu ve Pervaporasyonu, Postgraduate, L.Çakar(Student), 2016

Deniz S., POLİÜRETAN ESASLI SÜPERHİDROFOBİK YÜZEY KAPLAMA MATERYALLERİNİN GELİŞTİRİLMESİ, Postgraduate, S.Şenada(Student), 2016

DENİZ S., MOF ve ZIF İçeren Polimer Nanokompozit Membranların Gaz Ayırma Özellikleri, Postgraduate, Ç.Gökoğlu(Student), 2015

DENİZ S., Fonksiyonel Yüzey Kaplama Materyallerinin Hazırlanması ve Geliştirilmesi, Postgraduate, B.Bıçak(Student), 2015

DENİZ S., Poliester Kord Bezi Yüzey İşlemi Süreci ve Modellemesi, Postgraduate, N.Gülbeycan(Student), 2014

DENİZ S., Katkılı Matris Polimerik Gaz Ayırma Membranlarının Hazırlanması ve Gaz Ayırma Özelliklerinin İncelenmesi, Postgraduate, S.Okşak(Student), 2013

Deniz S., Hidrofobik/Oleofobik Esaslı Fonksiyonel Yüzey Kaplama Materyallerinin Hazırlanması ve Geliştirilmesi, Postgraduate, B.Arıca(Student), 2011

DENİZ S., Polimerik Nanokompozit Membranların Hazırlanması ve CO₂/CH₄ Ayırma Performanslarının İncelenmesi, Postgraduate, D.Dalgakıran(Student), 2011

Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, İstanbul Teknik Üniversitesi, Kimya Mühendisliği Bölümü, January, 2015

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakülesi, Kimya Bölümü, May, 2014

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakülesi, Kimya Bölümü, May, 2014

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakülesi, Kimya Bölümü, May, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of different biopolymers and additives on mechanical and barrier properties of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) blend films**
Yolacan O., DENİZ S.
Journal of Dispersion Science and Technology, 2024 (SCI-Expanded)
- II. **The effect of different clay types on the barrier properties of PLA/PBAT/clay bio-nanocomposite packaging films**
Alpaslan Güler C., DENİZ S.
Journal of Dispersion Science and Technology, vol.44, no.13, pp.2367-2378, 2023 (SCI-Expanded)
- III. **Silica Filled Polyphenylsulfone/Polydimethylsiloxane Composite Membranes for Pervaporation Separation of Biobutanol from ABE Mixtures**
Çalhan A., DENİZ S., Kujawski W., Kujawa J., Knozowska K., Hasanoğlu A. M.
Chemical Engineering and Processing - Process Intensification, vol.156, 2020 (SCI-Expanded)
- IV. **Development of metal organic framework filled PDMS/PI composite membranes for biobutanol recovery**
Çalhan A., Deniz S., Romero J., Hasanoğlu A. M.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.36, no.9, pp.1489-1498, 2019 (SCI-Expanded)
- V. **Sulfonated PEEK blend membranes prepared with PPSF and PEI for gas separation**
DENİZ S.
Procedia Engineering, vol.44, pp.774-775, 2012 (SCI-Expanded)
- VI. **Preparation and gas separation properties of polyphenylsulfone(PPSF)/polyetherimide(PEI)/silica**

nanocomposite membranes

DENİZ S.

Procedia Engineering, vol.44, pp.772-773, 2012 (SCI-Expanded)

- VII. **Effect of nonsolvent type on the surface morphology and preparation of microporous membranes from blends of poly(phenylene oxide) and poly(p-phenylene oxide-sulfone) or polysulfone**

DENİZ S.

DESALINATION, vol.200, pp.52-54, 2006 (SCI-Expanded)

- VIII. **Characteristics of polycarbonate membranes with polyethylene glycol prepared via dry/wet-phase inversion methods**

DENİZ S.

DESALINATION, vol.200, pp.42-43, 2006 (SCI-Expanded)

- IX. **Dispersion polymerization of methyl methacrylate in supercritical carbon dioxide using a silicone-containing fluoroacrylate stabilizer**

Deniz S., Baran N., Akgun M., Uzun I., Dincer S.

POLYMER INTERNATIONAL, vol.54, no.12, pp.1660-1668, 2005 (SCI-Expanded)

- X. **Methyl methacrylate plus carbon dioxide phase equilibria at high pressures**

Uzun N., Akgun M., Baran N., Deniz S., Dincer S.

JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.50, no.4, pp.1144-1147, 2005 (SCI-Expanded)

- XI. **Dispersion polymerization of styrene in supercritical carbon dioxide using monofunctional perfluoropolyether and silicone-containing fluoroacrylate stabilizers**

Baran N., Deniz S., Akgun M., Uzun I., Dincer S.

EUROPEAN POLYMER JOURNAL, vol.41, no.5, pp.1159-1167, 2005 (SCI-Expanded)

- XII. **Methyl Methacrylate Carbon Dioxide Phase Equilibria at High Pressures**

Uzun İ. N., Akgün M., Acaralı N., Deniz S., Dinçer S.

Journal Of Chemical And Engineering Data, vol.50, pp.1144-1147, 2005 (SCI-Expanded)

- XIII. **Synthesis of polydimethylsiloxane-block-polystyrene-block-polydimethylsiloxane via polysiloxane-based macroinitiator in supercritical CO₂**

Akgun M., Deniz S., Baran N., Uzun N., Akgun N., Dincer S.

POLYMER INTERNATIONAL, vol.54, no.2, pp.374-380, 2005 (SCI-Expanded)

- XIV. **Synthesis and Characterization of Block Copolymers Using Polysiloxane Based Macroazoinitiator**

Deniz S., Acaralı N., Akgün M., Akgün N., Dinçer S.

TURKISH JOURNAL OF CHEMISTRY, vol.28, pp.645-657, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Study on Recycling of Waste Glass Fiber Reinforced Polypropylene Composites: Examination of Mechanical and Thermal Properties**

Sözen E., Cevahir A., DENİZ S.

Journal of the Turkish Chemical Society, Section A: Chemistry, vol.10, no.1, pp.63-76, 2023 (Scopus)

- II. **Preparation and gas permeability properties of polyetherimide based nanocomposite membranes with fumed silica nanoparticles**

DALGAKIRAN D., DENİZ S.

Journal of innovative engineering and natural science (Online), vol.3, no.1, pp.39-52, 2023 (Peer-Reviewed Journal)

- III. **CHARACTERIZATION AND GAS PERMEATION PROPERTIES OF POLYETHERIMIDE/ZEOLITIC IMIDAZOLATE FRAMEWORK-8 (PEI/ZIF-8) MIXED MATRIX MEMBRANES**

DENİZ S.

International Journal of Engineering and Applied Sciences, vol.12, no.1, pp.1-11, 2017 (Peer-Reviewed Journal)

- IV. **EFFECT OF SILICA TYPE ON SUPERHYDROPHOBIC PROPERTIES OF PDMS-SILICA NANOCOMPOSITE COATINGS**

DENİZ S.

International Journal of Engineering and Applied Sciences, vol.8, no.1, pp.19-27, 2016 (Peer-Reviewed Journal)

- V. **A Second Option in Special Separation Operations: Supercritical Fluid Processes**
Dinçer S., Acaralı N., Uzun İ. N., Deniz S.
Sigma Journal of Engineering and Natural Sciences, vol.25, no.2, pp.106-128, 2007 (ESCI)
- VI. **Makroazobaslatıcılar İle Poli(Üretan-b-Akrilat) Blok Kopolimerlerinin Sentezi ve Karakterizasyonu**
DENİZ S.
Sigma Journal of Engineering and Natural Sciences, vol.23, no.3, pp.126-136, 2005 (ESCI)
- VII. **Süperkritik Akışkanlar ve Uygulama Alanları**
AKGÜN M., AĞÜN N., ACARALI N., DENİZ S., DİNÇER S.
Kimya Teknolojileri, 2001 (Peer-Reviewed Journal)
- VIII. **Investigation of Petrographic and Structural Properties of Some Turkish Lignites**
GÜLEN F. J., Deniz S., Toprak S., Şunu M., Pişkin S.
Chimica Acta Turcica, vol.28, no.2, pp.7-13, 2000 (Peer-Reviewed Journal)
- IX. **0379-5896**
DENİZ S., Kuyulu A.
Chimica Acta Turcica, vol.27, no.3, pp.15-19, 1999 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **POLİMER MÜHENDİSLİĞİ ESASLARI DERS NOTLARI**
Erturan S., DENİZ S.
Yıldız Teknik Üniversitesi Yayınları, İstanbul, 2006

Refereed Congress / Symposium Publications in Proceedings

- I. **Mechanical, Optical, and Barrier Characteristics of Tapioca and Rice Starch-Based Edible Thermoplastic Antimicrobial Packaging Films**
Çokkuvvetli A. T., Yolaçan Ö., DENİZ S.
38th International Conference of the Polymer Processing Society, PPS 2023, St. Gallen, Switzerland, 22 - 26 May 2023, vol.3158
- II. **Mechanical and Barrier Properties of Blended Biopolymer Nanocomposite Packaging Films with Metal Organic Frameworks**
Koshki S., Deniz S.
Asiachem-19.Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.270
- III. **Synthesis and Mechanical Properties of Polyurethane Films with Vegetable Oil Based Polyol Blends in Different Combinations**
Nigar Özveren S., Deniz S.
Asiachem - 19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.101
- IV. **Synthesis of Bio-based Polyurethane Foams Made from Compatible Blends of Soybean Oil-based Polyol and Petroleum-based Polyol,**
Nigar Özveren S., Derala B., Deniz S.
Asiachem - 19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.271-272
- V. **Preparation of Starch/Chitosan/MOF@Graphene Oxide Antimicrobial Bionanocomposite Films Adding with Quince Seed Mucilage /Aloe Vera Gel for Promising Biopackaging Materials**
Koshki S., Deniz S.
Asiachem- 19. Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.123
- VI. **Fabrication Of Polyurethane Films By Synthesis Of Vegetable-based Polyols Having Phosphorus Groups**

Yıldırım B., Yesiltepe T., Nigar S., Deniz S.

The ICASEM 4th International Applied Sciences, Engineering and Mathematics Congress, İstanbul, Turkey, 20 - 23 October 2022, pp.164

- VII. **Cam Elyaf/PET Kompozitlerinin Üretimi ve Karakterizasyonu**
HEPER M. E., DENİZ S.
İTÜ Ulusal Tekstil Kongresi ve II.Ar-Ge Günü, Akademi Sanayi Buluşması 11-12 Kasım 2020, İstanbul, Turkey, 11 November 2020, vol.1
- VIII. **Mechanical Properties of Biodegradable PLA/PCl Blend Films Prepared With α -Tocopherol**
DENİZ N., DENİZ S.
6th International Conference on New Trends in Chemistry, İstanbul, Turkey, 17 October 2020
- IX. **Preparation and CO2 Permeabilities of PEBA Mixed Matrix Membranes With Metal Organic Frameworks**
ÇELİK N., DENİZ S.
6th International Conference on New Trends in Chemistry, İstanbul, Turkey, 17 October 2020
- X. **Thermal and Mechanical Properties of Continuous Glass Fiber/Pet Composites**
HEPER M. E., DENİZ S.
6th International Conference on New Trends in Chemistry, İstanbul, Turkey, 17 October 2020
- XI. **Synthesis and Gas Permeability Properties of Cu-Based Metal Organic Framework (CuMOF) Filled Poly(ether-b-amide) Mixed Matrix Membranes for CO2 Capture**
DENİZ S., ILGAZ Y. B.
4th International Porous and Powder Materials Symposium and Exhibition, PPM 2019, Muğla, Turkey, 9 - 11 October 2019
- XII. **Uzun Cam Elyaf Katkılı Polipropilen Kompozit Atıklarının Geri Dönüşümü ve Değerlendirilmesi**
Sözen E., Deniz S.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, vol.1, pp.433
- XIII. **Production and Characterization of Polyethylene/Organoclay Nanocomposite Films**
ALPASLAN GÜLER C., DENİZ S.
35th Annual Meeting of Polymer Processing Society (PPS-35), İzmir, Turkey, 26 - 30 May 2019
- XIV. **PROPERTIES OF POLY(L-LACTIC ACID) BLENDS BASED NANOCOMPOSITE FILMS PREPARED WITH METAL ORGANIC FRAMEWORKS**
ARICAN S., DENİZ S., ALPASLAN GÜLER C.
35th Annual Meeting of Polymer Processing Society (PPS-35), İzmir, Turkey, 26 - 30 May 2019
- XV. **MECHANICAL PROPERTIES OF POLYURETHANE FILMS SYNTHESIZED FROM BIO-BASED HYBRID POLYOL BLENDS**
NİGAR S., DENİZ S.
35th Annual Meeting of Polymer Processing Society (PPS-35), İzmir, Turkey, 26 - 30 May 2019
- XVI. **The Development of PPSU Membranes with Silica and PVP Additives for Pervaporation Separation of Butanol**
Çalhan A., Deniz S., Hasanoğlu A. M.
6th PV VP GS MD conference, Torun, Poland, 14 - 17 May 2019, pp.46
- XVII. **ANTIFOULING PEBA MEMBRANES FOR BIOBUTANOL RECOVERY BY PERVAPORATION**
HASANOĞLU A. M., ÇALHAN A., DENİZ S., ARASOĞLU T.
3rd International Conference on Engineering Technology and Innovation (ICETI), Belgrade, Serbia And Montenegro, 17 - 21 April 2019
- XVIII. **METAL ORGANİK KAFES İÇEREN BİYOBOZUNUR POLİMER NANOKOMPOZİTFİLMLERİN HAZIRLANMASI VE KARAKTERİZASYONU**
TURÇU S., DENİZ S., NİGAR S., YILMAZ F., İNCİRKUŞ T.
MAS-2019, 4. Uluslararası Avrupa Fen- Matematik- Mühendislik ve Sağlık Bilimleri Kongresi, Antalya, Turkey, 21 - 23 March 2019, pp.58
- XIX. **BIYO BAZLI VE PETROKİMYASAL POLIOLKARIŞIMLARINDAN POLİÜRETAN FİMLERİN SENTEZİVE ÖZELLİKLERİ**

TURPÇU S., DENİZ S., NİGAR S., YILMAZ F., İNCİRKUŞ T.

MAS-2019, 4. Uluslararası Avrupa Fen- Matematik- Mühendislik ve Sağlık Bilimleri Kongresi, Antalya, Turkey, 21 - 23 March 2019, pp.59

- XX. **The Effect of ZrMOF Types on Gas Permeability Properties of PEBA Mixed Matrix Membranes**
DENİZ S., Ilgaz Y. B.
4th International Conference on Recycling and Reuse, İstanbul, Turkey, 24 - 26 October 2018
- XXI. **PROPERTIES OF POLY(L-LACTIC ACID) FILMS WITH ZEOLITICIMIDAZOLATE FRAMEWORK-8 (ZIF-8) CRYSTALS**
DENİZ S., Durmuş Ş.
KOMPEGE 2018, IV. International Ege Composite Materials Symposium, İzmir, Turkey, 6 - 08 September 2018
- XXII. **SYNTHESIS OF BIO-BASED POLYURETHANE FILMS USING VEGETABLE OIL BASED HYBRID POLYOLS**
DENİZ S., Nigar S.
KOMPEGE 2018, IV. International Ege Composite Materials Symposium, İzmir, Turkey, 6 - 08 September 2018
- XXIII. **PREPARATION AND ANTIBACTERIAL ACTIVITY OF POLYURETHANE / METAL ORGANIC FRAMEWORK NANOCOMPOSITE FILMS**
DENİZ S., Nigar S.
KOMPEGE 2018, IV. International Ege Composite Materials Symposium, İzmir, Turkey, 6 - 08 September 2018
- XXIV. **GAS BARRIER PROPERTIES OF PLA/SILICA NANOCOMPOSITE FILMS**
DENİZ S., Durmuş Ş.
KOMPEGE 2018, IV. International Ege Composite Materials Symposium, İzmir, Turkey, 6 - 08 September 2018
- XXV. **ZIF-71 Filled Mixed Matrix Membranes for Gas Separation**
DENİZ S., İlhan E., Kolçak S.
Euromembrane 2018, Valensiya, 9 - 13 July 2018
- XXVI. **Preparation and Gas Permeability Properties of PI/Zr-Imidazoles Mixed Matrix Membranes**
DENİZ S., İlhan E., Kolçak S.
Euromembrane 2018, Valensiya, Spain, 9 - 13 July 2018
- XXVII. **METAL ORGANIC FRAMEWORK PARTICLE FILLED PI/PDMS COMPOSITE MEMBRANES FOR PERVAPOARATION SEPARATION OF BIOBUTANOL**
Çalhan A., DENİZ S., HASANOĞLU A. M.
MELPRO 2018, 13 - 16 May 2018
- XXVIII. **Characterization of Polyurethane/MOF Nanocomposite Films Using Vegetable Oil Based Polyol Blends**
Baydargil E., Nigar S., DENİZ S.
International Conference on Engineering Technologies (ICENTE'17), Konya, Turkey, 07 December 2017, pp.79-80
- XXIX. **Antibacterial and Mechanical Properties of PU/ZIF-8 Nanocomposite Coated Polyester Fabric**
Nigar S., DENİZ S.
Ancon2017-International Congress on Chemistry and Materials Science, Ankara, Turkey, 05 October 2017, pp.89
- XXX. **Synthesis and Characterization of Polyurethane/CuMOF Nanocomposite Films Derived from Vegetable Oil Based Polyols**
Nigar S., DENİZ S.
Ancon2017-International Congress on Chemistry and Materials Science, Ankara, Turkey, 05 October 2017, pp.307
- XXXI. **Polyimide/ZrMOF Nanocomposite Membranes for Hydrogen Separation**
Ersin A., DENİZ S.
The Porous and Powder Materials Symposium and Exhibitions, PPM 2017, İzmir, Turkey, 12 September 2017, pp.3
- XXXII. **Preparation of PEBA/ZIF-71 Nanocomposite Membranes for Biobutanol/Water Separation**
Göktürk K., DENİZ S.
The Porous and Powder Materials Symposium and Exhibitions, PPM 2017, İzmir, Turkey, 12 September 2017, pp.4
- XXXIII. **Synthesis of Zr-Imidazolate Nanocrystals And Polymer/Zr-Imidazolate Nanocomposites For Gas Storage Applications**
Özçelik S., DENİZ S.
The Porous and Powder Materials Symposium and Exhibitions, PPM 2017, İstanbul, Turkey, 12 September 2017,

pp.87

- XXXIV. **Preparation and Properties of PU/PEBAX Films**
Nigar S., DENİZ S.
IV. International Chemical Engineering and Technologies Conference (CHEMTECH 2016), İstanbul, Turkey, 17 November 2016, pp.64
- XXXV. **ANTIBACTERIAL AND MECHANICAL PROPERTIES OF PU/ZIF-8 NANOCOMPOSITE COATED POLYESTER FABRIC**
Nigar S., Deniz S.
CHEMTECH '16, IV. International Chemical Engineering and Technologies Conference, İstanbul, Turkey, 17 - 19 November 2016, pp.65-66
- XXXVI. **H2 and CO2 Separation Using Polyimide Mixed Matrix Membranes Prepared with Hybrid Zeolitic Imidazolate Framework-8**
Hekimoğlu G. P., DENİZ S.
International Conference on Recycling and Reuse 2016, İstanbul, Turkey, 28 September 2016, pp.1
- XXXVII. **Pervaporation Separation of Biobutanol Using Polyimide Based Nanocomposite Membranes**
Çakar L., HASANOĞLU A. M., DENİZ S.
International Conference on Recycling and Reuse 2016, İstanbul, Turkey, 28 September 2016, pp.1
- XXXVIII. **Production and Characterization of Polyethylene/Organoclay Nanocomposite Films for Food Packagings**
Alpaslan C., DENİZ S.
46. IUPAC World Polymer Congress (MACRO 2016), İstanbul, Turkey, 17 July 2016, pp.86
- XXXIX. **Development of Superhydrophobic Surfaces Based on Polyurethane Chemistry For Coating Materials**
Şenada S., DENİZ S.
46. IUPAC World Polymer Congress (MACRO 2016), İstanbul, Turkey, 17 July 2016, pp.47
- XL. **Preparation and Characterization of Alkyd Resin Nanocomposites**
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DENİZ S., Project Supported by Higher Education Institutions, Cam Yüzeylerde Kullanılacak Hidrofobik/Oleofobik Esaslı Fonksiyonel Yüzey Kaplama Materyallerinin Hazırlanması Ve Geliştirilmesi, 2011 - 2016

DENİZ S., Project Supported by Higher Education Institutions, Cam Yüzeyler İçin Fonksiyonel Yüzey Kaplama Materyallerinin Hazırlanması Ve Geliştirilmesi, 2012 - 2015

DENİZ S., Project Supported by Higher Education Institutions, Katkılı Matris Polimerik Membranların Hazırlanması Ve Gaz Ayırma Özelliklerinin İncelenmesi, 2012 - 2014

DENİZ S., Project Supported by Higher Education Institutions, Polimerik ve nanodolgulu gaz ayırma membranlarının hazırlanması ve gaz ayırma performanslarının belirlenmesi., 2008 - 2012

Deniz S., Sipahigil O., Acaralı N., Uzun İ. N., Dinçer S., TUBITAK Project, Süperkritik CO2 Ortamında İlaç Yüklü Polimerik Mikropartiküllerin Mikronizasyonla Hazırlanması, 2005 - 2008

Deniz S., Acaralı N., Uzun İ. N., Sipahigil O., Dinçer S., Project Supported by Higher Education Institutions, Süperkritik CO2 Ortamında İlaç Yüklü Polimerik Mikropartiküllerin Mikronizasyonla Hazırlanması, 2005 - 2008

DENİZ S., Project Supported by Higher Education Institutions, Soğutma ünitelerinde modifiye atmosfer elde etmek amacıyla kullanılacak polimerik gaz ayırma membranlarının hazırlanması ve ayırma performanslarının incelenmesi, 2004 - 2007

Akgün M., Deniz S., Acaralı N., Uzun İ. N., Dinçer S., Project Supported by Other Official Institutions, Süperkritik CO2 Ortamında Vinil Monomerlerin Polimerizasyonu, Devlet Planlama Teşkilatı, 2002 - 2005

DENİZ S., ACARALI N., AKGÜN M., Other International Funding Programs, Süperkritik CO2 Ortamında Flor İçeren Siloksan Esaslı Sürfaktan ile Vinil Monomerlerin Polimerizasyonu, 2002 - 2005

Akgün M., Deniz S., Acaralı N., Uzun İ. N., Dinçer S., Project Supported by Higher Education Institutions, Süperkritik CO2 Ortamında Flor İçeren Siloksan Esaslı Sürfaktan ile Vinil Monomerlerinin Polimerizasyonu, 2002 - 2005

DENİZ S., AKGÜN M., Project Supported by Other Official Institutions, Süperkritik CO2 Ortamında Vinil Monomerlerin Polimerizasyonu, 2002 - 2004

DENİZ S., ACARALI N., AKGÜN M., Other International Funding Programs, Süperkritik CO2 Ortamında Akrilik Esaslı Vinil Monomerlerin Polimerizasyonu, 2001 - 2003

Akgün N., Akgün M., Deniz S., Acaralı N., Emel D., Uzun İ. N., Dinçer S., Project Supported by Higher Education Institutions, Süperkritik CO2 Ortamında Akrilik Esaslı Vinil Monomerlerin Polimerizasyonu, 2001 - 2003

Memberships / Tasks in Scientific Organizations

TEYDEB-1511 Ana Kimyasallar Alanı Çağrılı Projeler Danışma Kurulu Üyeliği, Member, 2016 - Continues

Scientific Refereeing

TUBITAK Project, May 2017

Separation and Purification Technology, SCI Journal, March 2017

Sigma Journal of Engineering and Natural Sciences, Other Indexed Journal, February 2017

TUBITAK Project, July 2016

TUBITAK Project, February 2015

TUBITAK Project, September 2014

TUBITAK Project, June 2014

TUBITAK Project, February 2014

Piroliz prosesinin optimizasyonu ile PBI-poliimid karışım carbon moleküler elek membranların gaz ayırma performanslarının ve özelliklerinin artırılması, SCI Journal, August 2013

Journal of Membrane Science, SCI Journal, August 2013

TUBITAK Project, May 2013

TUBITAK Project, October 2012

Separation and Purification Technology, SCI Journal, April 2012

TUBITAK Project, April 2012

TUBITAK Project, March 2011

TUBITAK Project, August 2009

Journal of Applied Polymer Science, SCI Journal, November 2008
Journal of Applied Polymer Science, SCI Journal, April 2008
TUBITAK Project, November 2007
Journal of Applied Polymer Science, SCI Journal, April 2007

Scientific Consultations

Yıldız Teknik Üniversitesi Teknoloji Transfer Ofisi A.Ş., Project Consultancy, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, Turkey, 2015 - 2015
Yıldız Teknik Üniversitesi Teknoloji Transfer Ofisi, Project Consultancy, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, Turkey, 2014 - 2014

Tasks In Event Organizations

Deniz S., 31. Ulusal Kimya Kongresi (31. UKK), Scientific Congress, İstanbul, Turkey, Eylül 2019

Scientific Research / Working Group Memberships

Buzlanma Önleyici, IR Yansıtıcı ve Radar soğurucu Fonksiyonel Kaplama, YILDIZ TEKNİK ÜNİVERSİTESİ, Türkiye, yildiz.edu.tr, 2017 - Continues
Polimer Teknolojileri Tematik Araştırma Grubu, YILDIZ TEKNİK ÜNİVERSİTESİ, Türkiye, yildiz.edu.tr, 2017 - Continues

Metrics

Publication: 149
Citation (WoS): 109
Citation (Scopus): 116
H-Index (WoS): 6
H-Index (Scopus): 7

Congress and Symposium Activities

4. International Porous and Powder Materials Symposium and Exhibition (PPM 2019), Working Group, Muğla, Turkey, 2019
35. Annual Meeting of Polymer Processing Society (PPS-35), Working Group, İzmir, Turkey, 2019
6. PV-VP-GS-MD Conference, Working Group, Torun, Poland, 2019
3. International Conference on Engineering Technology and Innovation (ICETI 2019), Working Group, Belgrade, Serbia And Montenegro, 2019
4. International European Congress on Mathematics, Engineering, Natural and Medical Sciences (MAS-4 2019) Antalya, Türkiye, 21 - 23 Mart 2019, Working Group, Antalya, Turkey, 2019
4. International Conference on Recycling and Reuse (R&R 2018), Working Group, İstanbul, Turkey, 2018
IV. International Ege Composite Materials Symposium (KOMPEGE 2018) , Working Group, İzmir, Turkey, 2018
Euromembrane 2018, Working Group, Valencia, Spain, 2018
International Conference on Membrane and Electromembrane Processes 2018 (MELPRO-2018), Working Group, Praha, Czech Republic, 2018
International Conference on Engineering Technologies (ICENTE'17), Attendee, Konya, Turkey, 2017
Ancon2017-International Congress on Chemistry and Materials Science, Attendee, Ankara, Turkey, 2017

The Porous and Powder Materials Symposium and Exhibitions, PPM 2017, Attendee, İzmir, Turkey, 2017

IV. International Chemical Engineering and Technologies Conference (CHEMTECH 2016), Attendee, İstanbul, Turkey, 2016

International Conference on Recycling and Reuse 2016, Attendee, Turkey, 2016

46. IUPAC World Polymer Congress (MACRO 2016), Attendee, Turkey, 2016

Paint İstanbul-Turkcoat 2016, Attendee, Turkey, 2016

III. International Chemical Engineering and Technologies Conference (CHEMTECH 2015), Attendee, Turkey, 2015

The Porous and Powder Materials Symposium and Exhibitions, PPM 2015, Attendee, İzmir, Turkey, 2015

Euromembrane 2015, Attendee, Aachen, Germany, 2015

30. European Conference on Surface Science (ECOSS-30), Attendee, Antalya, Turkey, 2015

3. International Symposium on Innovative Technologies in Engineering and Science, Attendee, Valencia, Spain, 2015

European Coatings CONGRESS 2015, Attendee, Hannover, Germany, 2015

IV. Ulusal Nanoteknoloji Kongresi (NanoKon 2015), Attendee, --Seçiniz--, Turkey, 2015

11. Ulusal Kimya Mühendisliği Kongresi (UKMK-11), Attendee, Eskişehir, Turkey, 2014

21. International Congress of Chemical and Process Engineering (CHISA 2014), Attendee, Praha, Czech Republic, 2014

5. EuCheMS Chemistry Congress,, Attendee, İstanbul, Turkey, 2014

2. International Conference on Recycling and Reuse, Attendee, İstanbul, Turkey, 2014

2. International Surface Treatment Symposium (ISTS-2014), Attendee, İstanbul, Turkey, 2014

2. International Symposium on Innovative Technologies in Engineering and Science (ISITES 2014), Attendee, Karabük, Turkey, 2014

2. International Conference on Environmental Science and Technology (ICOEST-2014), Attendee, Antalya, Turkey, 2014

Porous and Powder Materials Symposium and Exhibition PPM 2013, Attendee, İzmir, Turkey, 2013

IUPAC 2013 44. World Chemistry Congress, Attendee, İstanbul, Turkey, 2013

Nord American Membrane Society 2013 (NAMS 2013), Attendee, Idaho, United States Of America, 2013

9th European Congress of Chemical Engineering (ECCE9), Attendee, Netherlands, 2013

EUROMEMBRANE 2012, Attendee, London, United Kingdom, 2012

CHISA 2012, Attendee, Praha, Czech Republic, 2012

28. European Membrane Summer School 2011 (XXVIII. EMS Summer School), Attendee, Poland, 2011

International Conference on Advances in Materials and Processing Technologies (AMPT 2011), Attendee, Turkey, 2011

Second International Conference on Multifunctional, Hybrid and Nanomaterials (Hybrid Materials 2011), Attendee, Strasbourg, France, 2011

IWA Regional Conference and Exhibition on Membrane Technology and Water Reuse (IWA MTWR 2010), Attendee, İstanbul, Turkey, 2010

European Membrane Society XXVII Summer School, Attendee, Bucuresti, Romania, 2010

XXVI-SummerSchool: Membrane Technology for CO₂ Separation, Attendee, Hamburg, Germany, 2009

FP7-Marie Curie Foundation Project-NanoMemCourse, Training Course on Nanostructured Materials for Advanced Membrane Processes, EA1, Attendee, Oslo, Norway, 2009

14. International Pharmaceutical Technology Symposium (IPT 2008), Attendee, Antalya, Turkey, 2008

11. European Meeting on Supercritical Fluids / New Perspectives in Supercritical Fluids: Nanoscience, Materials and Processing, Attendee, Barcelona, Spain, 2008

WomeInNano Winter School 2007, Attendee, Ljubljana, Slovenia, 2008

FP7-Marie Curie Foundation Project-NanoMemCourse, Training Course on Nanostructured Materials for Advanced Membrane Processes, EF1: "Nanostructured Material and Membrane Synthesis and Characterization, Attendee, Zaragoza, Spain, 2007

PERMEA 2007, Attendee, Hungary, 2007

6. AFMC International Medicinal Chemistry Symposium (AIMECS 07), Attendee, Turkey, 2007

Euromembrane 2006, The Conference of The European Membrane Society, Attendee, Catania, Italy, 2006

Application of Nanotechnologies for Separation and Recovery of Volatile Organic Compounds (Anvoc2005), Attendee, İstanbul, Turkey, 2005

Euromembrane 2004, The Conference of The European Membrane Society,, Attendee, Hamburg, Germany, 2004

Network Young Membrains 6, Attendee, Hamburg, Germany, 2004

World Polymer Congress, 38. Macromolecular IUPAC Symposium, Attendee, Warszawa, Poland, 2000

Scholarships

NanoMemCourse, Training Course on Nanostructured Materials for Advanced Membrane Processes, EA1:

“Nanostructured materials and membranes for Energy”, European Commission, 2009 - Continues

NanoMemCourse, Training Course on Nanostructured Materials for Advanced Membrane Processes, EF1:

“Nanostructured Material and Membrane Synthesis and Characterization, European Commission, 2007 - Continues

Awards

DENİZ S., En iyi Poster Sunum, ANCON 2017 Organizasyon Komitesi, October 2017

DENİZ S., Yayın Teşvik Ödülü, Yıldız Teknik Üniversitesi, January 2012

DENİZ S., Yayın Teşvik Ödülü, TÜBİTAK, January 2005

DENİZ S., Bilimsel Yayın Teşvik Ödülü, Yıldız Teknik Üniversitesi, January 2005

DENİZ S., Yayın Teşvik Ödülü, TÜBİTAK, January 2004

DENİZ S., Yayın Teşvik Ödülü, Yıldız Teknik Üniversitesi, January 2004

Non Academic Experience

Yıldız Teknoloji Transfer Ofisi A.Ş.'nde

TÜBİTAK-TEYDEB - Teknoloji ve Yenilik Destek Programları Başkanlığı

TÜBİTAK-1511 Öncelikli Alanlar Araştırma Teknoloji Geliştirme ve Yenilik Projeleri Destekleme Programı

Yıldız Teknoloji Transfer Ofisi

TÜBİTAK-TEYDEB - Teknoloji ve Yenilik Destek Programları Başkanlığı

Yıldız Teknoloji Transfer Ofisi