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Publons / Web Of Science ResearcherID: AAZ-8991-2020

ScopusID: 10939517400

Yoksis Researcher ID: 110229

Education Information

Doctorate, Wayne State University, Kimya Mühendisliği Anabilim Dalı, United States Of America 2001 - 2006

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği (YL) (Tezli), Turkey 1998 - 2001

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey 1994 - 1998

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Basic Operations and Thermodynamics, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2018 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2014 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2012 - 2018

Assistant Professor, Yeditepe University, Faculty Of Engineering-Architecture, Department Of Chemistry Engineering, 2010 - 2012

Lecturer PhD, Georgia Institute of Technology, Mühendislik Fakültesi, Kimya Ve Biyomoleküler Mühendisliği, 2006 - 2008

Research Assistant, Wayne State University, Mühendislik Fakültesi, Kimya Mühendisliği Ve Malzeme Bilimi , 2001 - 2006

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 1998 - 2001

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2019 - 2022

Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2013 - 2014

Courses

CHEMICAL ENGINEERING DESIGN II, Undergraduate, 2021 - 2022

CHEMICAL ENGINEERING DESIGN I, Undergraduate, 2020 - 2021

HEAT AND MASS TRANSFER OPERATIONS, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

THERMODYNAMICS II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014

THERMODYNAMICS I, Undergraduate, 2019 - 2020

ADVANCED CHEMICAL ENG.THERMODYNAMICS, Postgraduate, 2018 - 2019, 2012 - 2013, 2011 - 2012

CHEMICAL ENGINEERING LABORATORY II, Undergraduate, 2019 - 2020, 2017 - 2018, 2014 - 2015

CHEMICAL PROCESS SAFETY, Undergraduate, 2018 - 2019

CHEMICAL ENGINEERING LABORATORY I, Undergraduate, 2014 - 2015, 2013 - 2014

Separation Processes, Undergraduate, 2014 - 2015, 2013 - 2014

Green and Sustainable Chemical Engineering, Undergraduate, 2015 - 2016

CHEMICAL ENGINEERING LABORATORY III, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

Fluid Mechanics, Undergraduate, 2011 - 2012

INTRODUCTION TO PROCESS PRINCIPLES, Postgraduate, 2012 - 2013

TRANSPORT PHENOMENA, Undergraduate, 2011 - 2012

MATERIAL AND ENERGY BALANCES, Undergraduate, 2010 - 2011

INTRODUCTION TO CHEMICAL AND BIOPROCESS ENGINEERING, Undergraduate, 2010 - 2011

FUNDAMENTALS OF SCIENTIFIC PROGRAMMING, Undergraduate, 2010 - 2011

Advising Theses

DİLEK HACİHABİBOĞLU Ç., SEZGİ N. A., Polylactic acid recycling with environmentally benign fluids, Postgraduate, Ç.BOZCUOĞLU(Student), 2022

DİLEK HACİHABİBOĞLU Ç., SEZGİ N. A., Extraction of polylactic acid degradation products with supercritical carbon dioxide, Postgraduate, S.KOÇAK(Student), 2022

Bayram G., Dilek Hacıhabiboğlu Ç., MULTIFUNCTIONAL PROPERTIES OF POLYMER FOAMS AND COMPOSITES, Doctorate, M.ÖZKUTLU(Student), 2020

Dilek Hacıhabiboğlu Ç., Karakaş G., Investigation of deep eutectic solvents as a reaction medium for metal chloride based chemical heat pumps, Postgraduate, E.GÖZDE(Student), 2019

Dilek Hacıhabiboğlu Ç., Hasırcı N., Foaming of highly-crystalline PLLA films with CO₂-philic hybrid liquid cell nucleators, Postgraduate, Y.ÇULHACIOĞLU(Student), 2019

Dilek Hacıhabiboğlu Ç., SOLUBILITY OF CO₂-PHILIC POLYHEDRAL OLIGOMERIC SILSESQUIOXANES IN SUPERCRITICAL CARBON DIOXIDE, Postgraduate, C.DEMİRTAŞ(Student), 2019

Dilek Hacıhabiboğlu Ç., PHASE EQUILIBRIA OF BINARY SYSTEMS WITH CARBON DIOXIDE AND CARBON DIOXIDE-PHILIC MATERIALS, Postgraduate, B.DUMANLILAR(Student), 2019

DİLEK HACİHABİBOĞLU Ç., Polymer foaming with supercritical carbon dioxide, Postgraduate, N.NOVENDRA(Student), 2015

DİLEK HACİHABİBOĞLU Ç., Effects of functional groups on the solubilities of polyhedral oligomeric silsesquioxanes (POSS) in supercritical carbon dioxide, Postgraduate, B.KANYA(Student), 2015

Jury Memberships

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, August, 2022
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2021
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, December, 2020
Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2020
Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2019
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2019

Research Infrastructure Information

Dilek Hacıhabiboğlu Ç., Supercritical fluids and high-pressure laboratory, January 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **High-yield production of lactide isomers from depolymerization of polylactic acid in supercritical carbon dioxide**
SİVRİ S., SEZGİ N. A., DİLEK HACİHABİBOĞLU Ç.
Journal of Supercritical Fluids, vol.217, 2025 (SCI-Expanded)
- II. **Controlling the foam morphology of supercritical CO₂-processed poly(methyl methacrylate) with CO₂-philic hybrid nanoparticles**
Özkutlu Demirel M., Bayram G., Dilek Hacıhabiboğlu Ç.
Journal of Applied Polymer Science, vol.138, no.33, 2021 (SCI-Expanded)
- III. **Poly(methyl methacrylate)-octatrimethylsiloxy polyhedral oligomeric silsesquioxane composite syntactic foams with bimodal pores**
Ozkutlu M., Bayram G., Dilek Hacıhabiboğlu Ç.
Journal of Polymer Research, vol.28, no.6, 2021 (SCI-Expanded)
- IV. **Phase Behavior of Carbon Dioxide and Polyhedral Oligomeric Silsesquioxanes with Two Different Functional Groups**
Dumanlılar B., Dilek Ç.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.163, 2020 (SCI-Expanded)
- V. **Poly(methyl methacrylate) hybrid syntactic foams with hollow glass microspheres and polyhedral oligomeric silsesquioxanes**
Ozkutlu M., Dilek Ç., BAYRAM G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.7, 2020 (SCI-Expanded)
- VI. **Highly Crystalline Poly(L-lactic acid) Porous Films Prepared with CO₂-philic, Hybrid, Liquid Cell Nucleators**
Culhacıoğlu Y., Hasırcı N., Dilek Ç.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.58, no.50, pp.22541-22550, 2019 (SCI-Expanded)
- VII. **Synthesis and Characterization of Aluminum Containing Silica Aerogel Catalysts for Degradation of PLA**
Sivri S., Dilek Hacıhabiboğlu Ç., Sezgi N. A.
INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, vol.17, 2019 (SCI-Expanded)
- VIII. **Enhanced solubility of siloxy-modified polyhedral oligomeric silsesquioxanes in supercritical carbon dioxide**
Demirtas C., DİLEK HACİHABİBOĞLU Ç.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.143, pp.358-364, 2019 (SCI-Expanded)
- IX. **Effects of hollow glass microsphere density and surface modification on the mechanical and thermal properties of poly(methyl methacrylate) syntactic foams**
ÖZKUTLU DEMİREL M., DİLEK HACİHABİBOĞLU Ç., BAYRAM G.
COMPOSITE STRUCTURES, vol.202, pp.545-550, 2018 (SCI-Expanded)

- X. **Density functional theory study of interactions between carbon dioxide and functionalized polyhedral oligomeric silsesquioxanes**
Tezsevin I., Demirtas C., ÖNAL I., DİLEK HACIHABİBOĞLU Ç.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.117, no.16, 2017 (SCI-Expanded)
- XI. **Supercritical processing of CO₂-philic polyhedral oligomeric silsesquioxane (POSS)-poly(L-lactic acid) composites**
Novendra N., Hasirci N., Dilek Hacıhabiboğlu Ç.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.117, pp.230-242, 2016 (SCI-Expanded)
- XII. **Effects of functional groups on the solubilities of polyhedral oligomeric silsesquioxanes (POSS) in supercritical carbon dioxide**
Kanya B., DİLEK HACIHABİBOĞLU Ç.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.102, pp.17-23, 2015 (SCI-Expanded)
- XIII. **Reversible ionic surfactants for gold nanoparticle synthesis**
Ethier A. L., Hart E. C., Saunders S. R., Biddinger E. J., Fadhel A. Z., Dilek Hacıhabiboğlu Ç., Pollet P., Eckert C. A., Liotta C. L.
GREEN MATERIALS, vol.2, no.2, pp.54-61, 2014 (SCI-Expanded)
- XIV. **Supercritical carbon dioxide-soluble polyhedral oligomeric silsesquioxane (POSS) nanocages and polymer surface modification**
DİLEK Ç.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.73, pp.171-177, 2013 (SCI-Expanded)
- XV. **Sustainable Debinding and Recovery of CO₂-Soluble Binders**
Dilek Hacıhabiboğlu Ç., Hong L., Enick R. M., Gulari E., Manke C. W.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.51, no.26, pp.9101-9105, 2012 (SCI-Expanded)
- XVI. **More Benign Synthesis of Palladium Nanoparticles in Dimethyl Sulfoxide and Their Extraction into an Organic Phase**
Liu J., Ruffini N., Pollot P., Llopis-Mestre V., Dilek C., Eckert C. A., Liotta C. L., Roberts C. B.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.49, no.17, pp.8174-8179, 2010 (SCI-Expanded)
- XVII. **One-component, switchable ionic liquids derived from siloxylated amines**
Blasucci V., DİLEK Ç., Huttenhower H., John E., Llopis-Mestre V., Pollet P., Eckert C. A., Liotta C.
CHEMICAL COMMUNICATIONS, no.1, pp.116-118, 2009 (SCI-Expanded)
- XVIII. **Phase behavior of 1,3,5-tri-tert-butylbenzene-carbon dioxide binary system**
DİLEK HACIHABİBOĞLU Ç., Manke C. W., Gulari E.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.43, no.3, pp.421-429, 2008 (SCI-Expanded)
- XIX. **Supercritical CO₂ intercalation of layered silicates**
Serhatkulu G., DİLEK Ç., Gulari E.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.39, no.2, pp.264-270, 2006 (SCI-Expanded)
- XX. **Phase behavior of beta-D galactose pentaacetate-carbon dioxide binary system**
DİLEK Ç., Manke C. W., Gulari E.
FLUID PHASE EQUILIBRIA, vol.239, no.2, pp.172-177, 2006 (SCI-Expanded)
- XXI. **Removal of Boron from Aqueous Solutions by Continuous Polymer Enhanced Ultrafiltration with Polyvinyl Alcohol**
Dilek Ç., Hilmi Önder Ö., Bıçak N., Yılmaz L.
Separation Science And Technology, vol.37, pp.1257-1271, 2002 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Depolymerization of Polylactic Acid in Supercritical Carbon Dioxide**
SİVRİ S., SEZGİ N. A., DİLEK HACIHABİBOĞLU Ç.
the 19th European Meeting on Supercritical Fluids (EMSF2023), Budapest, Hungary, 21 - 24 May 2023, pp.72
- II. **POLİLAKTİK ASİTİN ÇEVREYE ZARARI OLMAYAN ÇÖZÜCÜLERLE GERİDÖNÜŞÜMÜ**

Cinalioğlu Ç., Dilek Hacıhabiboğlu Ç., Sezgi N. A.

6. Anadolu Kataliz Yaz Okulu, İzmir, Turkey, 23 - 28 September 2022

- III. **Feedstock Recycling of PLA in the Presence of Mesoporous Catalysts**
Sivri S., Dilek Hacıhabiboğlu Ç., Sezgi N. A.
NCC8, Ankara, Turkey, 9 - 12 September 2021
- IV. **PMMA Syntactic Bimodal Foams with CO₂-Philic Octatrimethylsiloxy POSS Cell Nucleators**
Özkutlu M., BAYRAM G., DİLEK HACİHABİBOĞLU Ç.
18th European Meeting on Supercritical Fluids, France, 04 May 2021
- V. **The Contribution of Metal Loaded Mesoporous Catalysts to Recycling of Polylactic Acid**
SİVRİ S., DİLEK HACİHABİBOĞLU Ç., SEZGİ N. A.
EuropaCat 2019: 14th European Congress on Catalysis, Aachen, Germany, 18 - 23 August 2019
- VI. **Supercritical CO₂ Foaming of PLLA with Liquid CO₂-philic Cell Nucleators**
Hasırcı N., Çulhacıoğlu Y., Dilek Hacıhabiboğlu Ç.
17th European Meeting on Supercritical Fluids (EMSF 2019) - 7th European Meeting on High Pressure Technology, Ciudad-Real, Spain, 8 - 11 April 2019, pp.1-2
- VII. **Supercritical CO₂ Foaming of PLLA with Liquid CO₂-Philic Cell Nucleators**
Yağmur Ç., Hasırcı N., Dilek Hacıhabiboğlu Ç.
17th European Meeting on Supercritical Fluids EMSF 2019, Ciudad Real, Spain, 8 - 11 April 2019
- VIII. **Enhancing the CO₂-philicity of Organic-Inorganic Hybrid Polyhedral Oligomeric Silsesquioxanes**
Dumanlılar B., Demirtaş C., Dilek Hacıhabiboğlu Ç.
17th European Meeting on Supercritical Fluids (EMSF2019), Ciudad Real, Spain, 8 - 11 April 2019, pp.240-242
- IX. **Highly CO₂-philic polyhedral oligomeric silsesquioxanes (POSS) as hybrid cell nucleators for more efficient supercritical carbon dioxide foaming of poly(methyl methacrylate) (PMMA)**
Özkutlu Demirel M., Bayram G., Dilek Hacıhabiboğlu Ç.
17th European Meeting on Supercritical Fluids EMSF 2019, Ciudad Real, Spain, 8 - 11 April 2019
- X. **Enhancement of Properties of PMMA Hybrid Syntactic Foams Containing Polyhedral Oligomeric Silsesquioxane (POSS)**
Özkutlu Demirel M., Dilek Hacıhabiboğlu Ç., Bayram G.
21st International conference on composite structures, ICCS21, Bologna, Italy, 4 - 07 September 2018, vol.1, pp.41-42
- XI. **Metal Yüklü Silika Aerojel Destekli Katalizörlerin Polilaktik Asidin (PLA) Bozunması Üzerine Etkisinin İncelenmesi**
Sivri S., Dilek Hacıhabiboğlu Ç., Sezgi N. A.
UKMK 13, Van, Turkey, 3 - 06 September 2018
- XII. **INVESTIGATION OF DEEP EUTECTIC SOLVENTS AS REACTION MEDIUM FOR METAL CHLORIDE BASED CHEMICAL HEAT PUMPS**
Gözde E., Dilek Hacıhabiboğlu Ç., Karakaş G.
9th Eastern Mediterranean Chemical Engineering Conference EMCC9 , Ankara, Turkey, 31 August - 02 September 2018, pp.1
- XIII. **SUPERCritical CO₂ FOAMING OF PLLA WITH LIQUID CO₂-PHILIC CELL NUCLEATORS**
Çulhacıoğlu Y., Hasırcı N., Dilek Hacıhabiboğlu Ç.
9th Eastern Mediterranean Chemical Engineering Conference, Ankara, Turkey, 31 August 2018 - 01 December 2019, pp.1
- XIV. **Phase Equilibria of Binary Systems with CO₂ and Bifunctional Polyhedral Oligomeric Silsesquioxanes**
Dumanlılar B., Dilek Hacıhabiboğlu Ç.
9th Eastern Mediterranean Chemical Engineering Conference, Ankara, Turkey, 31 August - 02 September 2018, pp.1
- XV. **Recycling of Polylactic Acid by Pyrolysis over Aluminum Loaded Silica Aerogel**
Sivri S., Dilek Hacıhabiboğlu Ç., Sezgi N. A.
EMCC 9, Ankara, Turkey, 31 August - 02 September 2018
- XVI. **Mechanical and Thermal Characterization of PMMA Syntactic Foams**

ÖZKUTLU M., DİLEK Ç., BAYRAM G.

20th International Conference on Composite Structures, ICCS 20, Paris, France, 4 - 07 September 2017

XVII. **Phase equilibria of polyhedral oligomeric silsesquioxanes POSS carbon dioxide binary systems**
demirtaş c., DİLEK Ç.

Green Solvents Conference 2016, 16 - 19 October 2016

XVIII. **POLİHEDRAL OLİGOMERİK SİLSESKUIOKSAN POSS KARBONDİOKSİT SİSTEMLERİNİN FAZ DENGELERİ VE ÇÖZÜNÜRLÜK MODELLEMELERİ**

demirtaş c., DİLEK Ç.

Ulusal Kimya Mühendisliği Kongresi UKMK12, Turkey, 23 - 26 August 2016

XIX. **Polyhedral Oligomeric Silsesquioxanes, Solubility in Supercritical Carbon Dioxide and Application in Porous Polymers**

Novendra N., Kanya B., Güney A., HASIRCI N., DİLEK HACIHABİBOĞLU Ç.

7th Green Solvents Conference-Advanced Fluids in Science and Application, Dresden, Germany, 19 - 22 October 2014

XX. **Reversible ionic liquids as switchable surfactants for the synthesis of gold nanoparticles**

nixon e., rohan a., fadhel a., jha r., talreja m., pollet p., DİLEK Ç., eckert c., liotta c.

242nd National Meeting of the American-Chemical-Society (ACS), 28 August - 01 September 2011

Supported Projects

Dilek Hacıhabiboğlu Ç., Yıldız B., TUBITAK Project, YERLİ TEKNOLOJİ, FİZİKSEL YÖNTEMLERLE BİYOGAZ SAFLAŞTIRMA VE BİYOMETAN ÜRETİM SİSTEMİ GELİŞTİRME PROJESİ, 2023 - 2024

DİLEK HACIHABİBOĞLU Ç., ERTAŞ A., Project Supported by Higher Education Institutions, Karbondioksit ve Çeşitli Kimyasal Gruplu Polihedral Oligomerik Silseskuioksanların Faz Dengeleri ve Termodinamik Modellemeleri, 2022 - 2024
SEZGİ N. A., DİLEK HACIHABİBOĞLU Ç., SİVRİ S., Project Supported by Higher Education Institutions, Alüminyum veya Zirkonyum Yüklü Silika Aerojel Katalizörler Varlığında PLA'nın Geri Dönüşümünden Değerli Kimyasalların Elde Edilmesi, 2020 - 2022

Dilek Hacıhabiboğlu Ç., Sezgi N. A., Project Supported by Higher Education Institutions, Polimer Atıklarının Çeşitli Teknikler Kullanılarak Geri Dönüşümü, 2020 - 2021

DİLEK HACIHABİBOĞLU Ç., SEZGİ N. A., BOZCUOĞLU Ç., Project Supported by Higher Education Institutions, Polilaktik Asidin Çevreye Zararı Olmayan Akışkanlarla Geri Dönüşümü, 2020 - 2021

DİLEK HACIHABİBOĞLU Ç., DUMANLILAR B., Project Supported by Higher Education Institutions, CO₂ VE CO₂ UYUMLU MADDELERİ İÇEREN İKİLİ SİSTEMLERİN FAZ DENGESİ, 2018 - 2019

DİLEK HACIHABİBOĞLU Ç., ÇULHACIOĞLU Y., Project Supported by Higher Education Institutions, BİYOUYUMLU VE BİYOÇÖZÜNÜR POLY (L-LAKTİK ASİT) VE ASETİLENMİŞ ŞEKER SİSTEMLERİNİN SÜPER KRİTİK KARBON DİOKSİT İLE İŞLENMESİ, 2018 - 2019

DİLEK HACIHABİBOĞLU Ç., DUMANLILAR B., Project Supported by Higher Education Institutions, İKİ FARKLI FONKSİYONEL GRUPLU NANOKAFES YAPILI MALZEMELER İLE SÜPERKRİTİK KARBONDİOKSİT İKİLİ SİSTEMLERİNİN FAZ DENGESİ, 2018 - 2019

DİLEK HACIHABİBOĞLU Ç., ÇULHACIOĞLU Y., Project Supported by Higher Education Institutions, Biyoyumlu Ve Biyoçözünür Polimer Ve Asetillenmiş Şeker Sistemlerinin Süperkritik Karbondioksit İle İşlenmesi, 2017 - 2019

DİLEK HACIHABİBOĞLU Ç., Project Supported by Higher Education Institutions, CO₂ VE CO₂ İLE UYUMLU MADDELERİ İÇEREN İKİLİ SİSTEMLERİN FAZ DENGESİ, 2017 - 2017

DİLEK HACIHABİBOĞLU Ç., Project Supported by Higher Education Institutions, BİYOUYUMLU VE BİYOÇÖZÜNÜR POLİ VE ASETİLENMİŞ ŞEKER SİSTEMLERİNİN SÜPERKRİTİK KARBON DİOKSİT İLE İŞLENMESİ, 2017 - 2017

DİLEK HACIHABİBOĞLU Ç., DEMİRTAŞ C., Project Supported by Higher Education Institutions, SİLOKSAN GRUPLU NANOKAFES YAPILI MALZEMELER İLE SÜPERKRİTİK KARBONDİOKSİT İKİLİ SİSTEMLERİNİN FAZ DENGESİ, 2016 - 2016

DİLEK HACIHABİBOĞLU Ç., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

DİLEK HACIHABİBOĞLU Ç., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

DİLEK HACIHABİBOĞLU Ç., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

Dilek Hacıhabiboğlu Ç., TUBITAK Project, Yeni Aktif Gruplu Silika Bazlı Nanopartiküller ile Karbondioksit İkili Sistemlerinin Faz Dengeleri Termodinamik Modellemesi ve Nanopartiküllerin Süperkritik Karbondioksit ile Polimer Emdirme ve Diğer Nanokompozit Süreçlerinde Uygulamaları, 2011 - 2015

DİLEK HACIHABİBOĞLU Ç., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

DİLEK HACIHABİBOĞLU Ç., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

DİLEK HACIHABİBOĞLU Ç., Project Supported by Higher Education Institutions, SÜPERKRİTİK KARBON DİOKSİT İLE GÖZENEKLİ BİYOMALZEMELERİN OLUŞTURULMASI, 2013 - 2014

Dilek Hacıhabiboğlu Ç., Ünlüsü B., TUBITAK Project, Karbondioksit ve İyonik Sıvı Bileşenlerinden Oluşan Yüksek Basıncıdaki Sistemlerin Taşınım Özelliklerinin Teorik ve Deneysel Olarak Çalışılması, 2011 - 2014

Patent

Dilek Hacıhabiboğlu Ç., Sezgi N. A., Sivri S., HIGH YIELD ECO-FRIENDLY RECYCLING METHOD OF POLYLACTIC ACID USING SUPERCRITICAL OR DENSE GAS CARBON DIOXIDE, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: EP3973014 , Standard Registration, 2023

Sezgi N. A., Dilek Hacıhabiboğlu Ç., Sivri S., HIGH YIELD, ECO-FRIENDLY RECYCLING METHOD OF POLYLACTIC ACID USING SUPERCRITICAL OR DENSE GAS CARBON DIOXIDE, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 17621705 , Standard Registration, 2021

Dilek Hacıhabiboğlu Ç., Sezgi N. A., Sivri S., Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: TR 2019 09479 , Standard Registration, 2020

Activities in Scientific Journals

Journal Of Supercritical Fluids, Committee Member, 2020 - Continues

Memberships / Tasks in Scientific Organizations

European Federation of Chemical Engineering (EFCE) Working Party on High Pressure Technologies, Member, 2014 - Continues, Germany

The International Society for Advancement of Supercritical Fluids ISASF, Member, 2012 - Continues, United States Of America

TMMOB KİMYA MÜHENDİSLERİ ODASI, Member, 1998 - Continues, Turkey

Safety and Chemical Engineering Education (SACHE), Member, 2016 - 2021, United States Of America

American Chemical Society (ACS), Member, 2010 - 2018, United States Of America

Scientific Refereeing

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, BIODEGRADE SOLUTIONS MÜHENDİSLİK ANONİM ŞİRKETİ(İSTANBUL), Turkey, December 2023

JOURNAL OF SUPERCRITICAL FLUIDS, SCI Journal, July 2023

Technopark, Lentatek Uzay Havacılık ve Teknoloji A.Ş., Turkey, July 2023

MATERIALS AND DESIGN, SCI Journal, September 2022

POLYMER ENGINEERING AND SCIENCE, SCI Journal, April 2022

JOURNAL OF SUPERCRITICAL FLUIDS, SCI Journal, February 2021

JOURNAL OF SUPERCRITICAL FLUIDS, SCI Journal, December 2020

JOURNAL OF SUPERCRITICAL FLUIDS, SCI Journal, July 2020

TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Arařtırma Burs Programı, Turkey, June 2020

TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Arařtırma Burs Programı, Middle East Technical University, Turkey, June 2020

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, SCI Journal, February 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2019

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2019

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2019

Journal Of Supercritical Fluids, SCI Journal, November 2018

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, July 2018

Scientific Consultations

ARİŐ ENERJİ, Project Consultancy, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey, 2023 - Continues

Metrics

Publication: 42

Citation (WoS): 395

Citation (Scopus): 431

H-Index (WoS): 9

H-Index (Scopus): 9

Invited Talks

WIPO LLM-Invention owner faculty member seminar, "HIGH YIELD, ECO-FRIENDLY RECYCLING METHOD OF POLYLACTIC ACID, ANATOMY OF THE INVENTION", Seminar, Orta Doęu Teknik Üniversitesi, Turkey, February 2022

Non Academic Experience

KordsaGlobal

Georgia Institute of Technology