

Assoc. Prof. NAİLE KARAKEHYA

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2007 - 2014

Postgraduate, Anadolu University, Institute Of Science, Department Of Advanced Technologies, Turkey 2009 - 2010

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 2005 - 2007

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2001 - 2005

Dissertations

Doctorate, Kil/polivinil klorür ve kil/poliimid nanokompozitlerin hazırlanması ve bazı özelliklerinin belirlenmesi, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2014

Postgraduate, Paulownia ağacı odunundan ZnCl₂ aktivasyonu ile aktifleştirilmiş karbon üretimi ve karakterizasyonu, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 2007

Research Areas

Chemical Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, Eskişehir Meslek Yüksekokulu, Çevre Koruma Teknolojileri, 2014 - Continues

Lecturer, Eskisehir Osmangazi University, Eskişehir Meslek Yüksekokulu, Çevre Koruma Teknolojileri, 2012 - 2014

Academic and Administrative Experience

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Eskisehir Osmangazi University, Eskişehir Meslek Yüksekokulu, Çevre Koruma Teknolojileri Bölümü, 2020 - Continues

Meslek Yüksekokulu Kurulu Üyesi, Eskisehir Osmangazi University, Eskişehir Meslek Yüksekokulu, Çevre Koruma Teknolojileri, 2020 - 2022

Head of Department, Eskisehir Osmangazi University, Eskişehir Meslek Yüksekokulu, Çevre Koruma Teknolojileri, 2019 -

Courses

KİMYA II, Associate Degree, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015
STAJ, Associate Degree, 2022 - 2023
ŞEHİRCİLİK VE ÇEVRE PLANLAMA, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
ÇEVRESEL BOYUTUYLA NANOTEKNOLOJİ, Postgraduate, 2022 - 2023, 2015 - 2016
ÇEVRE LABORATUVARI I, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2015 - 2016, 2014 - 2015
ENDÜSTRİYEL UYGULAMALAR I, Associate Degree, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015
PROJE, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016
ENDÜSTRİYEL UYGULAMALAR II, Associate Degree, 2021 - 2022
KOMPOZİT VE BİYOMALZEMELER, Undergraduate, 2021 - 2022
HAVA KİRLİLİĞİ VE KONTROLÜ, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
KİMYA I, Associate Degree, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015
ÇEVRE KORUMA, Associate Degree, 2021 - 2022
TERMODİNAMİK I, Undergraduate, 2021 - 2022
POLİMER KOMPOZİTLER, Doctorate, 2022 - 2023
NANOSELÜLOZ, Postgraduate, 2022 - 2023
KATI ATIK YÖNETİMİ, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
ÇEVRE LABORATUVARI II, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
ÇEVRE TEKNOLOJİLERİ, Associate Degree, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
NANOTEKNOLOJİ VE ÇEVRE, Associate Degree, 2018 - 2019, 2015 - 2016, 2014 - 2015, 2013 - 2014
MATEMATİK - I, Associate Degree, 2017 - 2018, 2016 - 2017
YEŞİL VE SÜRDÜRÜLEBİLİR KİMYA VE MÜHENDİSLİK, Undergraduate, 2016 - 2017
MATEMATİK II, Associate Degree, 2016 - 2017
PROJE, Associate Degree, 2014 - 2015, 2013 - 2014
ÇEVRE KİMYASI, Associate Degree, 2014 - 2015, 2013 - 2014
ÇEVRE KİMYASI, Associate Degree, 2012 - 2013
HAVA KİRLİLİĞİ VE KONTROL TEKNİKLERİ, Associate Degree, 2013 - 2014

Advising Theses

Karakehya N., Bilgiç C., Kitosan Esaslı Biyobozunur Nanokompozitlerin Sentezlenmesi ve Yüzey Özelliklerinin Belirlenmesi, Postgraduate, T.İREM(Student), 2023

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Effects of one-step and two-step KOH activation method on the properties and supercapacitor performance of highly porous activated carbons prepared from Lycopodium clavatum spores**
KARAKEHYA N.

Diamond and Related Materials, vol.135, 2023 (SCI-Expanded)

- II. **Comparison of the effects of various reinforcements on the mechanical, morphological, thermal and surface properties of poly(butylene succinate)**
KARAKEHYA N.
International Journal of Adhesion and Adhesives, vol.110, 2021 (SCI-Expanded)
- III. **PREPARATION OF NANOCRYSTALLINE CELLULOSE FROM TOMATO STEM AND COMMERCIAL MICROCRYSTALLINE CELLULOSE: A COMPARISON BETWEEN TWO STARTING MATERIALS**
KARAKEHYA N., BİLGİÇ C.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.53, pp.993-1000, 2019 (SCI-Expanded)
- IV. **Adsorption of methylene blue onto activated carbon obtained from ZnCl₂-activation of paulownia wood: kinetic and equilibrium studies**
Yorgun S., KARAKEHYA N., Yildiz D.
DESALINATION AND WATER TREATMENT, vol.58, pp.274-284, 2017 (SCI-Expanded)
- V. **Inverse gas chromatographic determination of the surface energy of PMMA and PMMA/organophilic montmorillonite nanocomposites**
Karakehya N., Bilgic C.
SURFACE AND INTERFACE ANALYSIS, vol.48, pp.519-521, 2016 (SCI-Expanded)
- VI. **Inverse gas chromatographic characterization of polystyrene and organo-montmorillonite/polystyrene nanocomposites**
Bilgic C., Karakehya N.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.30, pp.1945-1956, 2016 (SCI-Expanded)
- VII. **Surface characterisation of montmorillonite/PVC nanocomposites by inverse gas chromatography**
Karakehya N., Bilgic C.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.51, pp.140-147, 2014 (SCI-Expanded)
- VIII. **Surface and interface physicochemical aspects of intercalated organo-bentonite**
Bilgic C., Topaloğlu Yazıcı D., Karakehya N., Cetinkaya H., Singh A., Chehimi M. M.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.50, pp.204-210, 2014 (SCI-Expanded)
- IX. **Characterizing the surface acidity of bentonite by various methods**
Bilgic C., Yazici D., Vural N.
SURFACE AND INTERFACE ANALYSIS, vol.42, pp.1000-1004, 2010 (SCI-Expanded)
- X. **Preparation of high-surface area activated carbons from Paulownia wood by ZnCl₂ activation**
YORGUN S., VURAL N., DEMİRAL H.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.122, pp.189-194, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Eskişehir Lületaş Atıklarından Sütunlanmış Kil Üretimi ve Karakterizasyonu**
KARAKEHYA N., BİLGİÇ C.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.2, pp.487-493, 2020 (Peer-Reviewed Journal)
- II. **Yıldız-Şekilli Poli(L-Laktik Asit) Nanokompozitlerin Yerinde Polimerizasyon Yöntemiyle Hazırlanması ve İncelenmesi**
KARAKEHYA N., BİLGİÇ C.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.2, pp.631-642, 2020 (Peer-Reviewed Journal)
- III. **Inverse Gas Chromatographic Characterization of Nanocrystalline Cellulose**
Bilgiç C., Karakehya N., Kanık Ö.
Academia Journal of Engineering and Applied Sciences, vol.1, no.3, pp.27-39, 2017 (Peer-Reviewed Journal)
- IV. **Determination of the Dispersive component of the Surface Energy and Acid Base properties of Perlite Using Inverse Gas Chromatography**
BİLGİÇ C., KARAKEHYA N.

Books & Book Chapters

- I. **Ters Gaz Kromatografisi**
KARAKEHYA N.
Nobel Akademik Yayıncılık, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **İstilacı Türlerle mücadele kapsamında balık atıklarının aktif karbon üretiminde kullanılabilirliği**
Köse E., Emiroğlu Ö., Aksu S., Karakehya N., Şamdan C.
İstilacı Yabancı Türler Sempozyumu: Teoriden pratiğe Sempozyumu, İzmir, Turkey, 10 August - 12 September 2022, pp.26-27
- II. **CELLULOSE ISOLATION BY CHEMICAL TREATMENT OF VARIOUS LIGNOCELLULOSIC MATERIALS: A STUDY ON CELLULOSE YIELD**
KARAKEHYA N.
7th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, Ankara, Turkey, 15 - 17 November 2019
- III. **Inverse Gas Chromatographic Characterization of Nanocrystalline Cellulose**
BİLGİÇ C., KARAKEHYA N.
International Congress of the New Approaches and Technologies for Sustainable Development, 21 - 24 September 2017
- IV. **Preparation and Characterization of Pillared Clays**
BİLGİÇ C., KARAKEHYA N.
15th International Conference on Environmental Science and Technology , CEST, Rodos, Greece, 31 August - 02 September 2017
- V. **Determination of the surface energy of Natural Zeolite by inverse gas chromatography**
BİLGİÇ C., KARAKEHYA N.
World Multidisciplinary Earth Sciences Symposium, WMESS 2016, 5 - 09 September 2016
- VI. **Determination of Surface Energy of Natural Zeolite by Inverse Gas Chromatography**
Bilgic C., KARAKEHYA N.
World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016, vol.44
- VII. **Organo Montmorillonite Polyimide Nanocomposites Prepared by in situ Polymerisation**
KARAKEHYA N., BİLGİÇ C.
THE INTERNATIONAL CONFERENCE ON SCIENCE, ECOLOGY AND TECHNOLOGY I ICONSETE'2015, 25 - 28 August 2015
- VIII. **Evaluation of the Dispersive Component of the Surface Energy of Al Pillared Sepiolite and Al Pillared Montmorillonite as Determined by Inverse Gas Chromatography**
BİLGİÇ C., KARAKEHYA N.
International Conference On Civil And Environmental Engineering ICOCEE, 20 - 24 May 2015
- IX. **Perlitin Yüzey Enerjisinin Dağılım Bileşeninin ve Yüzey Asit Baz Özelliğinin Ters Gaz Kromatografisi ile Belirlenmesi**
BİLGİÇ C., KARAKEHYA N.
5. Fiziksel Kimya Kongresi, Turkey, 16 - 19 May 2015
- X. **Nanoteknoloji ve Çevresel Etkileri**
KARAKEHYA N.
Ekoloji Sempozyumu, Gazimagusa, Cyprus (Kktc), 1 - 04 May 2014, pp.83

- XI. **Tüketim Toplumunun Çevresel Etkileri**
KARAKEHYA N.
International Conference on Eurasian Economies, St. Petersburg, Russia, 17 - 18 October 2013, pp.778-782
- XII. **Kaolenin Yüzey Asit Baz Özelliğinin Farklı İki Yöntemle Belirlenmesi**
BİLGİÇ C., TOPALOĞLU YAZICI D., KARAKEHYA N.
Dokuzuncu Ulusal Kimya Mühendisliği Kongresi, Turkey, 22 - 25 June 2010
- XIII. **Characterizing the Surface Acidity of Bentonite by Various Methods**
BİLGİÇ C., TOPALOĞLU YAZICI D., KARAKEHYA N.
13th European Conference on Applications of Surface and Interface Analysis ECASIA'09, 18 - 23 October 2009
- XIV. **Karbonizasyon sıcaklığı ve emdirme oranının aktif karbon dokusal özelliklerine etkisi**
YORGUN S., KARAKEHYA N.
Sekizinci Ulusal Kimya Mühendisliği Kongresi, Malatya, Turkey, 26 - 29 August 2008, pp.625-626

Supported Projects

ŞAMDAN C., DEMİRAL H., KÖSE E., EMİROĞLU Ö., AKSU S., KARAKEHYA N., Project Supported by Higher Education Institutions, Carassius Gibelio Türünün Pullarından Aktif Karbon Üretilebilirliğinin Araştırılması, 2023 - Continues

BİLGİÇ C., Günaydın T. İ., KARAKEHYA N., Project Supported by Higher Education Institutions, Kitosan Esaslı Biyobozunur Nanokompozitlerin Sentezlenmesi ve Yüzey Özelliklerinin Belirlenmesi, 2022 - 2023

Bilgiç C., Karakehya N., Project Supported by Higher Education Institutions, Doğal ve Atık Malzemelerle Sentezlenen Zeolitlerin Yüzey Asitliklerinin Belirlenmesi, 2019 - 2021

Bilgiç C., Karakehya N., Project Supported by Higher Education Institutions, POLİMER ZEOLİT NANOKOMPOZİTLERİNİN HAZIRLANMASI ve YÜZEY ÖZELLİKLERİNİN BELİRLENMESİ, 2017 - 2020

Bilgiç C., Karakehya N., Project Supported by Higher Education Institutions, Biyokütle-polimer kompozitlerin hazırlanması ve karakterizasyonu, 2014 - 2018

Metrics

Publication: 30
Citation (WoS): 281
Citation (Scopus): 311
H-Index (WoS): 6
H-Index (Scopus): 6