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International Researcher IDs

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Publons / Web Of Science ResearcherID: I-8841-2019

ScopusID: 8854237200

Yoksis Researcher ID: 18036

Education Information

Doctorate, Van Yüzüncü Yıl University, Fen Fakültesi, Fizikokimya, Turkey 2008 - 2012

Postgraduate, Van Yüzüncü Yıl University, Eğitim Fakültesi, Kimya Eğitimi, Turkey 2004 - 2007

Undergraduate, Van Yüzüncü Yıl University, Eğitim Fakültesi, Kimya Öğretmenliği, Turkey 1999 - 2004

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Tinkalin yüksek sıcaklıklarda fosforik asit çözeltilerinde çözünme kinetiğinin incelenmesi ve optimum şartların belirlenmesi, Van Yüzüncü Yıl University, Fen Fakültesi, Fizikokimya, 2012

Postgraduate, Fizikokimya laboratuvarlarında V-diyagramı kullanımı ve uygulamaları, Van Yüzüncü Yıl University, Eğitim Fakültesi, Kimya Eğitimi, 2007

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Environmental Chemistry and Technology, Energy, Renewable Energy Systems, Alternative Energy Resources, Ore-Dressing, Chemical-Biological Winning Techniques and Mineral Processing, Chemistry, Physical Chemistry, Chemical Kinetics, Cellulose and its Derivatives, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Van Yüzüncü Yıl University, Van Sağlık Hizmetleri Meslek Yüksekokulu, Sağlık Teknikerliği Bölümü, 2024 -

Continues

Professor, Kumamoto University, Chemical Engineering, Department of Applied Chemistry and Biochemistry, 2023 - 2024

Associate Professor, Van Yüzüncü Yil University, Van Sağlık Hizmetleri Meslek Yüksekokulu, Sağlık Teknikerliği Bölümü, 2017 - 2023

Assistant Professor, Van Yüzüncü Yil University, Van Sağlık Hizmetleri Meslek Yüksekokulu, Sağlık Teknikerliği Bölümü, 2013 - 2017

Expert, Van Yüzüncü Yil University, Eğitim Fakültesi, Orta Öğretim Fen ve Matematik Alanları Eğitimi Bölümü, 2011 - 2012

Expert, Van Yüzüncü Yil University, Fen Fakültesi, Kimya Bölümü, 2009 - 2011

Expert, Van Yüzüncü Yil University, Van Sağlık Hizmetleri Meslek Yüksekokulu, Sağlık Teknikerliği Bölümü, 2007 - 2009

Academic and Administrative Experience

Van Yüzüncü Yil University, Sağlık Hizmetleri Meslek Yüksekokulu, 2014 - Continues

Courses

Biyokütle ve Biyoenerji, Postgraduate, 2022 - 2023

Okul Öncesi uygulama, Associate Degree, 2022 - 2023

Özel Eğitimde Uygulama, Associate Degree, 2021 - 2022

Termokimyasal Dönüşüm Yöntemleri, Postgraduate, 2022 - 2023

Temel Laboratuvar Bilgisi ve Teknikleri, Associate Degree, 2015 - 2016

Laboratuvar Ayırma Teknikleri , Associate Degree, 2015 - 2016

Temel Kimya, Associate Degree, 2013 - 2014

Advising Theses

Durak H., LIQUEFACION OF BIOMASS USING DIFFERENT CATALYST SYSTEMS BY PYROLYSIS AND HYDROTHERMAL METHOD, CHARACTERIZATION OF THE PRODUCTS OBTAINED, Doctorate, S.Genel(Student), 2022

Durak H., The effect on pyrolysis products of the pre-treatments applied to biomass, Postgraduate, Ş.Alayont(Student), 2019

Durak H., Liquefaction of Prosopis farcta plant stems by hydrothermal liquefaction method, characterization of liquid and solid products obtained , Postgraduate, M.Utku(Student), 2018

Durak H., Charcteristic of tactuca scariola plant with pyrolysis and liquids and solid products , Postgraduate, E.Yücedağ(Student), 2017

Jury Memberships

Post Graduate, Tez savunma , Yüzüncü Yil Üniversitesi, June, 2019

Award, Bilimsel makale ödülü, Yüzüncü Yil Üniversitesi, December, 2018

Post Graduate, Yüksek Lisans Tez Savunma Sınav Jürisi, Yüzüncü Yil Üniversitesi, December, 2018

Post Graduate, Yüksek Lisans Tez Savunma Sınav Jürisi, Yüzüncü Yil Üniversitesi, November, 2018

Appointment to Academic Staff-Assistant Professorship, Doktor Öğretim Üyesi Atama Jürisi, Yüzüncü Yil Üniversitesi, March, 2018

Appointment to Academic Staff-Assistant Professorship, Yardımcı doçent alım bilim jürisi, Çanakkale Onsekiz Mart Üniversitesi Lapseki Meslek Yüksekokulu, December, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of the effect of metal powder and metal-supported MCM-41 catalysts on the pyrolysis of horse chestnut fruits and shells (*Aesculus hippocastanum* L.)**
Durak H., Genel S.
BIOMASS CONVERSION AND BIOREFINERY, vol.14, no.23, pp.30789-30800, 2024 (SCI-Expanded)
- II. **Hydrothermal liquefaction process of *Ammi visnaga* and a new approach for recycling of the waste process water: cultivation of algae and fungi**
Durak H., Genel S., Demirer Durak E., Özçimen D., Kocer A. T.
BIOMASS CONVERSION AND BIOREFINERY, vol.14, no.5, pp.7149-7165, 2024 (SCI-Expanded)
- III. **Hydrothermal Liquefaction of Cellulose in the Presence of Sodium Fluoride-Doped Alumina Catalyst**
Durak H., Genel S.
CATALYSIS LETTERS, vol.154, no.3, pp.1336-1350, 2024 (SCI-Expanded)
- IV. **Comparison of catalytic efficiency of MCM-41/metal and metal powder catalysts in *Crambe orientalis* pyrolysis**
Genel S., Durak H.
BIOMASS CONVERSION AND BIOREFINERY, vol.14, no.4, pp.5665-5675, 2024 (SCI-Expanded)
- V. **The utilization of novel NaF/Al₂O₃ catalysts in the process of hydrothermal liquefaction of *Crambe orientalis*: synthesis and characterization**
Genel S., Durak H.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.46, no.1, pp.3748-3759, 2024 (SCI-Expanded)
- VI. **Comprehensive Assessment of Thermochemical Processes for Sustainable Waste Management and Resource Recovery**
Durak H.
PROCESSES, vol.11, no.7, pp.1-39, 2023 (SCI-Expanded)
- VII. **Catalytic effect of metal powder and MCM-41/metal catalysts on the pyrolysis of cellulose**
Genel S., Durak H., Genel Y.
ENVIRONMENTAL PROGRESS AND SUSTAINABLE ENERGY, vol.1, no.1, pp.1-11, 2023 (SCI-Expanded)
- VIII. **Assessment on gamma radiation shielding properties of molybdenum doped bricks**
Oto B., Kavaz E., Durak H., Madak Z.
RADIATION PHYSICS AND CHEMISTRY, vol.207, no.1, pp.110849, 2023 (SCI-Expanded)
- IX. **Hydrothermal liquefaction of biomass with molybdenum, aluminum, cobalt metal powder catalysts and evaluation of wastewater by fungus cultivation**
Genel S., Durak H., Durak E., Güneş H., Genel Y.
RENEWABLE ENERGY, vol.203, pp.20-32, 2023 (SCI-Expanded)
- X. **The impact of Co addition on neutron-photon protection characteristics of red and yellow clays-based bricks: An experimental study**
Durak H., Kavaz E., Oto B., Aras A.
PROGRESS IN NUCLEAR ENERGY, vol.143, 2022 (SCI-Expanded)
- XI. **Improving the performance of nuclear protection of Al₂Si₂O₅(OH)₄-KAlSi₃O₈-SiO₂ ceramics with cobalt insertion: an experimental study**
Kavaz E., Oto B., Durak H., Madak Z.
Journal of the Australian Ceramic Society, vol.56, pp.1595-1607, 2020 (SCI-Expanded)
- XII. **Catalytic hydrothermal liquefaction of *lactuca scariola* with a heterogeneous catalyst: The investigation of temperature, reaction time and synergistic effect of catalysts**
Durak H., Genel S.
Bioresource Technology, vol.309, 2020 (SCI-Expanded)
- XIII. **Characterization of bio-oil and bio-char obtained from black cumin seed by hydrothermal liquefaction: investigation of potential as an energy source**
Durak H., Genel S.

- ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2020 (SCI-Expanded)
- XIV. **Effect of addition of molybdenum on photon and fast neutron radiation shielding properties in ceramics**
Oto B., Kavaz E., Durak H., Aras A., Madak Z.
CERAMICS INTERNATIONAL, vol.45, no.17, pp.23681-23689, 2019 (SCI-Expanded)
- XV. **Bio-oil and bio-char from lactuca scariola: significance of catalyst and temperature for assessing yield and quality of pyrolysis**
Yucedag E., Durak H.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2019 (SCI-Expanded)
- XVI. **Characterization of products obtained from hydrothermal liquefaction of biomass (Anchusa azurea) compared to other thermochemical conversion methods**
Durak H.
BIOMASS CONVERSION AND BIOREFINERY, vol.9, no.2, pp.459-470, 2019 (SCI-Expanded)
- XVII. **Hydrothermal liquefaction of Glycyrrhiza glabra L. (Licorice): Effects of catalyst on variety compounds and chromatographic characterization**
DURAK H.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.17, pp.1-15, 2019 (SCI-Expanded)
- XVIII. **Pyrolysis of black cumin seed: Significance of catalyst and temperature product yields and chromatographic characterization**
Durak H., Genel S., Tunç M.
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.42, pp.331-350, 2019 (SCI-Expanded)
- XIX. **BİYOKÜTLENİN KATALİTİK HİDROTERMAL SIVILAŞTIRMA YÖNTEMİ İLE SIVILAŞTIRILMASI**
Durak H.
TURKISH STUDIES, vol.14, no.1, pp.263-278, 2019 (SSCI)
- XX. **Hydrothermal liquefaction of Syrian mesquite (Prosopis farcta): Effects of operating parameters on product yields and characterization by different analysis methods**
Çolak U., Durak H., Genel S.
Journal of Supercritical Fluids, vol.140, pp.53-61, 2018 (SCI-Expanded)
- XXI. **Hydrothermal conversion of biomass (Xanthium strumarium) to energetic materials and comparison with other thermochemical methods**
Durak H., Genel Y.
Journal of Supercritical Fluids, vol.140, pp.290-301, 2018 (SCI-Expanded)
- XXII. **Trametes versicolor (L.) mushrooms liquefaction in supercritical solvents: Effects of operating conditions on product yields and chromatographic characterization**
Durak H.
Journal of Supercritical Fluids, vol.131, pp.140-149, 2018 (SCI-Expanded)
- XXIII. **Effect of process parameters on supercritical liquefaction of Xanthium strumarium for bio-oil production**
Genel Y., DURAK H., Aysu T., Genel İ.
Journal of Supercritical Fluids, vol.115, pp.42-53, 2016 (SCI-Expanded)
- XXIV. **Catalytic effects of borax and iron(III) chloride on supercritical liquefaction of Anchusa azurea with methanol and isopropanol**
Aysu T., Durak H.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.38, no.12, pp.1739-1749, 2016 (SCI-Expanded)
- XXV. **Pyrolysis of Xanthium strumarium in a fixed bed reactor: Effects of boron catalysts and pyrolysis parameters on product yields and character**
DURAK H.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.38, no.10, pp.1400-1409, 2016 (SCI-Expanded)

- XXVI. **Thermochemical liquefaction of algae for bio-oil production in supercritical acetone/ethanol/isopropanol**
DURAK H., Aysu T.
Journal of Supercritical Fluids, vol.111, pp.179-198, 2016 (SCI-Expanded)
- XXVII. **Bio-oil production via catalytic pyrolysis of *Anchusa azurea*: Effects of operating conditions on product yields and chromatographic characterization**
Aysu T., Durak H., Güner S., Bengü A. Ş., Esim N.
Bioresource Technology, vol.205, pp.7-14, 2016 (SCI-Expanded)
- XXVIII. **Pyrolysis of giant mullein (*Verbascum thapsus* L.) in a fixed-bed reactor: Effects of pyrolysis parameters on product yields and character**
Aysu T., Durak H.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.38, no.5, pp.661-669, 2016 (SCI-Expanded)
- XXIX. **Bio-oil production via catalytic supercritical liquefaction of Syrian mesquite (*Prosopis farcta*)**
Aysu T., Durak H.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.109, pp.26-34, 2016 (SCI-Expanded)
- XXX. **Structural analysis of bio-oils from subcritical and supercritical hydrothermal liquefaction of *Datura stramonium* L.**
Durak H., Aysu T.
Journal of Supercritical Fluids, vol.108, pp.123-135, 2016 (SCI-Expanded)
- XXXI. **Effect of pyrolysis temperature and catalyst on production of bio-oil and bio-char from avocado seeds**
Durak H., Aysu T.
Research on Chemical Intermediates, vol.41, no.11, pp.8067-8097, 2015 (SCI-Expanded)
- XXXII. **Thermochemical conversion of *Phellinus pomaceus* via supercritical fluid extraction and pyrolysis processes**
Durak H.
ENERGY CONVERSION AND MANAGEMENT, vol.99, pp.282-298, 2015 (SCI-Expanded)
- XXXIII. **Assessment of avocado seeds (*Persea americana*) to produce bio-oil through supercritical liquefaction**
Aysu T., Durak H.
BIOFUELS BIOPRODUCTS & BIOREFINING-BIOFPR, vol.9, no.3, pp.231-257, 2015 (SCI-Expanded)
- XXXIV. **Thermochemical conversion of *Datura stramonium* L. by supercritical liquefaction and pyrolysis processes**
Aysu T., DURAK H.
Journal of Supercritical Fluids, vol.102, pp.98-114, 2015 (SCI-Expanded)
- XXXV. **Catalytic pyrolysis of liquorice (*Glycyrrhiza glabra* L.) in a fixed-bed reactor: Effects of pyrolysis parameters on product yields and character**
Aysu T., DURAK H.
JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS, vol.111, pp.156-172, 2015 (SCI-Expanded)
- XXXVI. **A Novel pH-Responsive p(AAm-co-METAC)/MMT Composite Hydrogel: Synthesis, Characterization and Its Absorption Performance on Heavy Metal Ions**
Ilgin P., DURAK H., Gur A.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.54, no.6, pp.603-615, 2015 (SCI-Expanded)
- XXXVII. **Optimization of the Dissolution of Tincal Ore in Phosphoric Acid Solutions at High Temperatures**
DURAK H., Genel Y., Calban T., KUŞLU S., Colak S.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.202, no.2, pp.245-251, 2015 (SCI-Expanded)
- XXXVIII. **Bio-oil production from *Glycyrrhiza glabra* through supercritical fluid extraction**
DURAK H.
Journal of Supercritical Fluids, vol.95, pp.373-386, 2015 (SCI-Expanded)
- XXXIX. **Hydroxyapatite-nanosphere supported ruthenium(0) nanoparticle catalyst for hydrogen generation**

from ammonia-borane solution: kinetic studies for nanoparticle formation and hydrogen evolution

Durak H., Gülcan M., Zahmakıran M., Özkar S., Kaya M.

RSC ADVANCES, vol.4, no.55, pp.28947-28955, 2014 (SCI-Expanded)

- XL. Effects of catalysts and solvents on liquefaction of *Onopordum heteracanthum* for production of bio-oils**

DURAK H., Aysu T.

Bioresource Technology, vol.166, pp.309-317, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. Pyrolysis of *Crambe Orientalis* Plant in the Presence of Metal Supported MCM-41 Catalyst: The Effect of Catalyst Ratio on Liquid Product Composition**
GENEL S., Durak H.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.28, no.3, pp.883-897, 2023 (Peer-Reviewed Journal)
- II. Liquefaction of *Crambe Orientalis* Plant in The Presence of NaF/Al₂O₃ Catalyst by Hydrothermal Method, The Effect of Catalyst Ratio on Liquid Product Content**
Genel S., Durak H.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.3, pp.1826-1837, 2023 (Peer-Reviewed Journal)
- III. The role of acidic, alkaline and hydrothermal pretreatment on pyrolysis of wild mustard (*Sinapis arvensis*) on the properties of bio-oil and bio-char**
Alayont S., Kayan D., Durak H., Alayont E., Genel S.
BIORESOURCETECHNOLOGY REPORTS, vol.17, pp.1-9, 2022 (Scopus)
- IV. Kimyasal Kinetik DeneYlerinde V-diyagramı Kullanımının İncelenmesi**
DURAK H., Genel Y.
YYÜ Eğitim Fakültesi Dergisi (YYU Journal of EducationFaculty), vol.15, no.1, pp.444-467, 2018 (Peer-Reviewed Journal)
- V. Dissolution of Ulexite in Hydrochloric Acid Solutions**
Genel Y., İnce F., Durak H.
Turkish Journal of Science, vol.1, no.1, pp.1-12, 2016 (Peer-Reviewed Journal)
- VI. Kinetics of hydrogen generation from the hydrolysis of sodium borohydride using low-cost transition metal salt catalysts**
Durak H., Aysu T.
International Journal of Science Commerce and Humanities, vol.3, no.3, pp.1-5, 2015 (Peer-Reviewed Journal)
- VII. The formation of mathematical model for CaCl₂ derived from the reaction of ulexite and hydrochloric acid by using full factorial desing method**
DURAK H., Genel Y., BASHIROV N., KERIMOV G.
Gazi University Journal of Science, vol.26, no.3, pp.399-405, 2013 (Scopus)
- VIII. Mathematical model formation of the process of deriving boric acid from ulexite mineral by full factorial design method**
DURAK H., Genel Y., BASHIROV N., KERIMOV G.
Gazi University Journal of Science, vol.26, no.2, pp.261-268, 2013 (Scopus)
- IX. Mathematical model formation of the process of deriving boric acid from ulexite mineral by full factorial design method**
Durak H., Genel Y., Beşirov N., Kerimli G.
Gazi Universty Journal Science, vol.26, no.2, pp.261-268, 2013 (Scopus)
- X. Analysis of leaching kinetics of tincal in phosphoric acid solutions in high temperatures**
Durak H., Genel Y.
SCIENTIFIC RESEARCH AND ESSAYS, vol.7, no.40, pp.3428-3441, 2012 (Peer-Reviewed Journal)
- XI. Full Factorial Design of Production of Hydrogen Gas at Sodiumborohydride with Cobalt Catalyst**
Beşirov N., Genel Y., Durak H., Kerimli G.

Refereed Congress / Symposium Publications in Proceedings

- I. **Lignocellulosic Biomass: A Sustainable Pathway to Biofuel Production**
Durak H.
The second International Conference on Physics of Semiconductor Devices, Renewable Energies and Environment, Bechar, Algeria, 11 - 13 November 2024, pp.1-2
- II. **PYROLYSIS OF BIOMASS IN THE PRESENCE OF METAL/METAL SUPPORTED CATALYSTS AND CHARACTERIZATION OF THE OBTAINED PRODUCTS**
Genel S., Durak H.
5. International Mediterranean Scientific Research Congress, Mersin, Turkey, 13 - 14 January 2024, pp.1279
- III. **Exploring the Significance of Hydrothermal Liquefaction Process in Biomass Conversion and the Prospects of Utilizing Waste Process Water in Diverse Sectors: An Investigative Study**
Durak H.
International Conference on Renewable Energy, Paris, France, 23 - 25 October 2023, pp.31-32
- IV. **Liquefaction of Biomass by Hydrothermal Method and Use of Waste Process Water in Algae and Fungi Cultivation**
DURAK H., GENEL S., DEMİRER DURAK E., ÖZÇİMEN D., KOÇER A. T.
4th Bioenergy Studies Symposium, Turkey, 26 May 2022
- V. **Evaluation of Hydrothermal Liquefaction Waste Process Water in the Cultivation of Fungi**
DURAK H., DEMİRER DURAK E., GÜNEŞ H., GENEL S.
4th Bioenergy Studies Symposium, Turkey, 26 May 2022
- VI. **Pyrolysis of biomass in the presence of MCM-41/Al catalyst, characterization of obtained products**
Genel S., Durak H.
International World Energy Conference, Kayseri, Turkey, 3 - 04 December 2021, pp.1-5
- VII. **Liquefaction of biomass by hydrothermal liquefaction in the presence of NaF/Al₂O₃ catalyst characterization of obtained products**
Genel S., Durak H.
International World Energy Conference, Kayseri, Turkey, 3 - 04 December 2021, pp.1-5
- VIII. **Biyokütlenin MCM-41 Katalizörü Varlığında Pirolyzi, Elde Edilen Ürünlerin Karakterizasyonu**
Genel S., Durak H.
33. Ulusal Kimya Kongresi, Tekirdağ, Turkey, 7 - 09 October 2021, pp.104
- IX. **Crambe Orientalis Bitkisinin MCM-41-Fe Katalizörü Varlığında Pirolyz Yöntemiyle Sıvılaştırılması**
Genel S., Durak H.
33. Ulusal Kimya Kongresi, Tekirdağ, Turkey, 7 - 09 October 2021, pp.297
- X. **Hidrotermal Ön İşlem Uygulaması ile Biyokütleden Aktif Karbon Eldesi**
Genel S., Durak H., Meydan İ.
32. Ulusal Kimya Kongresi, İstanbul, Turkey, 17 - 19 September 2020, pp.135-136
- XI. **Liquefaction of biomass by hydrothermal liquefaction in the presence of Fe catalyst**
DURAK H., Genel S.
III. international congress on new trends in science engineering and technology, Prag, Czech Republic, 6 - 08 August 2019, pp.365
- XII. **LIQUEFACTION OF BIOMASS BY HYDROTHERMAL LIQUEFACTION WITH HETEROGENEOUS CATALYST**
DURAK H., Genel S.
MAS - VII INTERNATIONAL EUROPEAN CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL & MEDICAL SCIENCES, Kiev, Ukraine, 12 - 14 July 2019, pp.9-10
- XIII. **Investigation of hydrothermal liquefaction products of biomass by different analysis methods**
DURAK H., Genel S.
4th International Congress on Environmental Research and Technology, Atina, Greece, 14 - 18 November 2018,

pp.25

- XIV. **Investigation of liquefaction products of prosopis farcta by different analysis methods**
ÇOLAK U., DURAK H., Genel S.
V. International Multidisciplinary Congress of Eurasia, Barselona, Spain, 24 - 26 July 2018, pp.297
- XV. **Characterization of products obtained from hydrothermal liquefaction of biomass**
DURAK H., Genel S.
V. International Multidisciplinary Congress of Eurasia, Barselona, Spain, 24 - 26 July 2018, pp.296
- XVI. **Bio-Oil Production Via Catalytic Pyrolysis Of Biomass (Lactuca Scariola) in a Fixed-Bed Reactor**
Yücedağ E., Durak H.
international multidisciplinary congress of eurasia, Roma, Italy, 23 - 25 August 2017, pp.354
- XVII. **Bio-oil Production From Lactuca Scariola Through Pyrolysis Process**
Yücedağ E., Durak H.
international multidisciplinary congress of eurasia, Roma, Italy, 23 - 25 August 2017, pp.353
- XVIII. **Comparison of thermochemical conversion processes of biomass to bio-oil production**
Durak H., Kul A. R.
2nd International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 17 - 21 April 2017, pp.494
- XIX. **Bio-oil Production via Subcritical Hydrothermal Liquefaction of Biomass**
DURAK H.
International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Turkey, 18 - 21 April 2017, vol.1833
- XX. **Supercritical isopropanol extraction of bio-oils from algae**
Durak H.
International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 21 - 23 April 2016, pp.1
- XXI. **Bio-oil production from biomass through hydrothermal liquefaction process**
Durak H., Aysu T., Taşdemir V.
International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 21 - 23 April 2016, pp.1
- XXII. **Assessment of cocklebur to produce bio-oil through supercritical metanol**
Durak H., Genel Y.
International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 21 - 23 April 2016, pp.1
- XXIII. **Bio-oil Production from Biomass via Supercritical Fluid Extraction**
DURAK H.
International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Turkey, 21 - 23 April 2016, vol.1726
- XXIV. **Effects of Catalysts on Liquefaction of Agaricus Versicolor (L.)**
DURAK H.
International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Turkey, 21 - 23 April 2016, vol.1726
- XXV. **BARDAKÇI KİLİ ÜZERİNE RHODAMİN B NİN ADSORPSİYON KİNETİĞİ**
KUL A. R., ALACABEY İ., AKMAN N., DURAK H.
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XXVI. **SÜPERKRİTİK SIVILAŞTIRMA YÖNTEMİYLE AVOKADO ÇEKİRDEĞİNDEN BİYOYAĞ ELDESİ**
Durak H., Aysu T.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.1
- XXVII. **Bardakçı Kili Üzerine Rhodamin-B'nin Adsorpsiyon Kinetiği**
Kul A. R., Alacabey İ., Durak H.
27. Ulusal kimya kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.5
- XXVIII. **Bio-oil Production from Anchusa azurea by supercritical methanol and isopropanol**
Durak H., Aysu T.
IUPAC 2015, 45th World Chemistry Congress, Seul, South Korea, 14 - 18 August 2015, pp.1
- XXIX. **Bio oil production from Datura stramonium L. by liquefaction and pyrolysis processes**

- Durak H., Aysu T.
IUPAC 2015, 45th World Chemistry Congress, Seoul, South Korea, 14 - 18 August 2015, pp.1
- XXX. **Thermochemical conversion of *Phellinus pomaceus* via supercritical fluid extraction and pyrolysis processes**
Durak H.
45th World Chemistry Congress, IUPAC-2015, Busan, South Korea, 9 - 14 August 2015, pp.1
- XXXI. **A synthesis of P(AAm-co-METAC)/MMT composite hydrogel and absorption performance on heavy metal ions**
Durak H., Ilgin P., Aysu T.
5th EuCheMS Chemistry Congress, İstanbul, Turkey, 1 - 03 September 2014, pp.1
- XXXII. **Pyrolysis of Liquorice (*Glycyrrhiza glabra* L.) in a Fixed-bed Reactor: Effects of Pyrolysis Parameters on Product Yields and Character**
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Frontiers in Energy Research, Assistant Editor/Section Editor, 2022 - Continues

International Journal of Energy Information and Communications, Committee Member, 2022 - Continues

JOURNAL OF MANAGEMENT SCIENCE & ENGINEERING RESEARCH, Committee Member, 2018 - Continues

SCIREA Journal of Energy, Committee Member, 2018 - Continues

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Memberships / Tasks in Scientific Organizations

Türkiye Kimya Derneği, Member, 2002 - Continues

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Congress and Symposium Activities

III. International Congress on New Trends in Science, Engineering and Technology, Attendee, Praha, Czech Republic, 2019

4th International Congress on Environmental Research and Technology, Attendee, Athens, Greece, 2018

V. International Multidisciplinary Congress of Eurasia, Attendee, Barcelona, Spain, 2018

IV. International Multidisciplinary Congress of Eurasia, Attendee, Rome, Italy, 2017
2nd International Conference on Advances in Natural and Applied Sciences, Attendee, Antalya, Turkey, 2017
International Conference on Advances in Natural and Applied Sciences, Attendee, Antalya, Turkey, 2016
27. Ulusal kimya kongresi, Attendee, Çanakkale, Turkey, 2015
IUPAC-2015, 45th World Chemistry Congress, Attendee, Pusan, South Korea, 2015
5th Euchems Chemistry Congress, Attendee, İstanbul, Turkey, 2014
5. Ulusal Kataliz Kongresi, Attendee, Adana, Turkey, 2014
1. Ulusal Kataliz Yaz Okulu(3. Anadolu Kataliz Yaz Okulu), Attendee, Malatya, Turkey, 2013
44th World Chemistry Congress, Attendee, İstanbul, Turkey, 2013
26. Ulusal Kimya Kongresi, Attendee, Muğla, Turkey, 2012
24. Ulusal Kimya Kongresi, Attendee, Zonguldak, Turkey, 2010
III. Ulusal Sağlık Hizmetleri Meslek Yüksek Okulları Sempozyumu, Attendee, Van, Turkey, 2008
21. Ulusal Kimya Kongresi, Attendee, Malatya, Turkey, 2007