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Education Information

Doctorate, Cukurova University, Fen Bilimleri, Kimya, Turkey 2009 - 2013

Postgraduate, Cukurova University, Fen Bilimleri, Kimya, Turkey 2007 - 2009

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 2003 - 2007

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Lignoselülozik biyokütle hidrolizatlarından çeşitli gaz ve sıvı yakıt eldesi, Cukurova University, Fen Bilimleri, Kimya, 2013

Postgraduate, Buğday samanının farklı katalizörler kullanılarak sulu faz reformlama yöntemi ile gazlaştırılması, Cukurova University, Fen Bilimleri, Kimya, 2009

Research Areas

Energy, Renewable Energy Systems, Hydrogen Technologies and Fuel Cells, Chemistry, Analytical Chemistry

Published journal articles indexed by SCI, SSCI, and AHCI

- Evaluation of hardwood or softwood bark biomass as feed materials for aqueous-phase reforming gasification process**
Meryemoğlu B., Ozsel B. K., Irmak S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.53, no.53, pp.1044-1051, 2024 (SCI-Expanded)
- Subcritical Water Extraction of *Onosma mutabilis*: Process Optimization and Chemical Profile of the Extracts**
Doğan Çalhan S., Meryemoğlu B., Eroğlu P., Saçlı B., Kalderis D.
MOLECULES, vol.28, no.5, pp.21, 2023 (SCI-Expanded)

- III. **Organic acids production from low-cost cellulosic substrates by fermentation**
Meryemoğlu B., Niş B., Kaya Özsel B.
BIOMASS CONVERSION AND BIOREFINERY, vol.14, 2023 (SCI-Expanded)
- IV. **Humic Acids Derived from Lignocellulosic Biomass: Characterization and Utilizing for Environmental Applications**
MERYEMOĞLU B., Ozsel B. K.
WATER AIR AND SOIL POLLUTION, vol.233, no.10, 2022 (SCI-Expanded)
- V. **Biomass hydrolysis with phosphotungstic acid**
MERYEMOĞLU B.
CATALYSIS COMMUNICATIONS, vol.149, 2021 (SCI-Expanded)
- VI. **Utilization of waste cotton linter for preparation of activated carbon to be used as catalyst support in aqueous-phase reforming process**
Ozsel B. K., Nis B., MERYEMOĞLU B., HASANOĞLU A., Irmak S.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.38, no.2, pp.445-450, 2019 (SCI-Expanded)
- VII. **Natural dyes from lignocellulosic biomass hydrolysates**
Meryemoğlu B.
INDIAN JOURNAL OF FIBRE & TEXTILE RESEARCH, vol.43, pp.92-97, 2018 (SCI-Expanded)
- VIII. **Microwave pretreatment effects on switchgrass and miscanthus solubilization in subcritical water and hydrolysate utilization for hydrogen production**
Irmak S., MERYEMOĞLU B., Sandip A., Subbiah J., Mitchell R. B., Sarath G.
BIOMASS & BIOENERGY, vol.108, pp.48-54, 2018 (SCI-Expanded)
- IX. **COMPARISON OF PERENNIAL GRASSES AND CORN-BASED BIOMASS MATERIALS FOR HIGH-YIELDING HYDROGEN GAS PRODUCTION**
Irmak S., Meryemoglu B.
TRANSACTIONS OF THE ASABE, vol.60, no.3, pp.601-606, 2017 (SCI-Expanded)
- X. **Production of activated carbon materials from kenaf biomass to be used as catalyst support in aqueous-phase reforming process**
MERYEMOĞLU B., Irmak S., HASANOĞLU A.
FUEL PROCESSING TECHNOLOGY, vol.151, pp.59-63, 2016 (SCI-Expanded)
- XI. **A new approach for high-yield hydrogen production: Atmospheric pressure vapour-phase catalytic reforming of biomass hydrolysate**
HASANOĞLU A., MERYEMOĞLU B., Irmak S., Kurtuluş M., ERBATUR O.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.30, pp.12880-12887, 2016 (SCI-Expanded)
- XII. **Improving activity of Pt supported metal catalysts by changing reduction method of Pt precursor for hydrogen production from biomass**
Irmak S., MERYEMOĞLU B., OZSEL B. K., HASANOĞLU A., ERBATUR O.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, no.43, pp.14826-14832, 2015 (SCI-Expanded)
- XIII. **Does reduced or non-reduced biomass feed produce more gas in aqueous-phase reforming process?**
IRMAK S., MERYEMOĞLU B., HASANOĞLU A., ERBATUR O.
FUEL, vol.139, pp.160-163, 2015 (SCI-Expanded)
- XIV. **Influence of particle size of support on reforming activity and selectivity of activated carbon supported platinum catalyst in APR**
Meryemoglu B., IRMAK S., HASANOĞLU A., ERBATUR O., Kaya B.
FUEL, vol.134, pp.354-357, 2014 (SCI-Expanded)
- XV. **Hydrogen production from aqueous-phase reforming of sorghum biomass: An application of the response surface methodology**
Meryemoglu B., HASANOĞLU A., Kaya B., IRMAK S., ERBATUR O.
RENEWABLE ENERGY, vol.62, pp.535-541, 2014 (SCI-Expanded)
- XVI. **Biofuel production by liquefaction of kenaf (*Hibiscus cannabinus* L.) biomass**
Meryemoglu B., HASANOĞLU A., IRMAK S., ERBATUR O.
BIORESOURCE TECHNOLOGY, vol.151, pp.278-283, 2014 (SCI-Expanded)

- XVII. **Preparation of activated carbon supported Pt catalysts and optimization of their catalytic activities for hydrogen gas production from the hydrothermal treatment of biomass-derived compounds**
Meryemoglu B., IRMAK S., Hesenu A., ERBATUR O.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.23, pp.17844-17852, 2012 (SCI-Expanded)
- XVIII. **Comparison of batch aqueous-phase reforming of glycerol and lignocellulosic biomass hydrolysate**
Meryemoglu B., Kaya B., IRMAK S., Hesenov A., ERBATUR O.
FUEL, vol.97, pp.241-244, 2012 (SCI-Expanded)
- XIX. **Electrolysis of coal slurries to produce hydrogen gas: Effects of different factors on hydrogen yield**
Hesenov A., Meryemoglu B., ICTEN O.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.19, pp.12249-12258, 2011 (SCI-Expanded)
- XX. **Aqueous-phase reforming of biomass using various types of supported precious metal and raney-nickel catalysts for hydrogen production**
MERYEMOĞLU B., Hesenov A., IRMAK S., ATANUR O. M., ERBATUR O.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, no.22, pp.12580-12587, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **THE SHORT-TERM EFFECTS OF WHEAT STRAW CELLULOSE ON SOIL CARBON MINERALIZATION**
MERYEMOĞLU B., KIZILDAĞ ÖZDAL N.
Hacettepe Journal of Biology and Chemistry, 2023 (Peer-Reviewed Journal)
- II. **Fabrication of Carbonaceous-Modified Halloysite Nanotubes for the Removal of Metal Ions from Aqueous Solution**
Meryemoğlu B., Kaya Özsel B., Niş B.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.10, no.4, pp.1019-1024, 2023 (Peer-Reviewed Journal)
- III. **The Critical Role of Phenolics on Gasification of Biomass Hydrolysate**
MERYEMOĞLU B., KAYA ÖZSEL B., NİŞ B.
Journal of Raw Materials to Processed Foods, vol.3, no.1, 2022 (Peer-Reviewed Journal)
- IV. **Preclinical toxicity test results of a new antiviral-immune-modulator compound consisting of flavonoid molecules (COVID-19 clinical trial preliminary data)**
Budak G., ÖZKAN S., Budak M., ŞEKER T., MERYEMOĞLU B., Miran Ş. S., Çakır Çoban C., Tarkun O.
Open Exploration Publishing, vol.3, pp.1-21, 2022 (Scopus)
- V. **A research on antioxidant activity evaluation of waste lignocellulosic biomass: optimization using response surface methodology**
MERYEMOĞLU B., KAYA ÖZSEL B., NİŞ B.
Cumhuriyet Science Journal, vol.41, no.3, pp.594-601, 2020 (Peer-Reviewed Journal)
- VI. **Polietilen-İndirgenmiş Grafen Oksit ve Polietilen-İndirgenmiş Grafen Oksit-Aramid Kompozitlerinin Hazırlanması**
MERYEMOĞLU B., ERBATUR O.
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2020 (Peer-Reviewed Journal)
- VII. **EFFECT OF BIOMASS HYDROLYSATE ON SOIL AND PLANT PHENOLIC CONTENTS**
Meryemoglu B.
Bartın University International Journal of Natural and Applied Sciences, vol.2, pp.113-119, 2019 (Peer-Reviewed Journal)
- VIII. **Investigation of Organic Solvents Effects on Kenaf (Hibiscus cannabinus L.) Biomass Conversion in Subcritical Water**
MERYEMOĞLU B., HASANOĞLU A., KURTULUŞ M., IRMAK S.
Journal of the Turkish Chemical Society, Section A: Chemistry, pp.1423-1430, 2018 (Scopus)
- IX. **Kenaf Hidrolizi Sonrası Kalan Katı Atığın Gazlaştırılması**
MERYEMOĞLU B., HASANOĞLU A.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.3, pp.905, 2017 (Peer-Reviewed Journal)

X. **Xylitol production from lignocellulosics: Are corn biomass residues good candidates?**

Irmak S., Canisag H., Vokoun C., MERYEMOĞLU B.

BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY, vol.11, pp.220-223, 2017 (ESCI)

XI. **Kenaf Hidrolizatının Gazlaştırılması ve Cevap YüzeyYöntemi ile Optimizasyonu**

HASANOĞLU A., MERYEMOĞLU B.

Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **EFFECTS OF INCREASING DOSES OF SILVER NANOPARTICLES ON SOIL NITROGEN MINERALIZATION**

KIZILDAĞ ÖZDAL N., MERYEMOĞLU B., SAĞLIKER H.

9 th ANKARA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH, 26 December 2023

II. **Investigation of the carbonmonoxide and catalytic activity of natural ilmenite ore**

ÇAĞLAYAN U., AVŞAR G., MERYEMOĞLU B.

The 5Th BASHKENT International Conference on Multidisciplinary Studies, 20 December 2023

III. **THE SPECTROSCOPIC ANALYSIS OF GEOLOGICAL ROCKS USING RCH THREE DIFFERENT SAMPLE PREPARATION METHODS**

ÇAĞLAYAN U., MERYEMOĞLU B.

5. International Antalya Scientific Research and Innovative Studies Congress, Antalya, Turkey, 26 July 2023

IV. **COMPARISON OF MONOLITH AND ACTIVATED CARBON SUPPORTED PLATINUM CATALYSTS ON AQUEOUS PHASE REFORMING**

MERYEMOĞLU B., ÇAĞLAYAN U.

3RD INTERNATIONAL BLACK SEA MODERN SCIENTIFIC RESEARCH CONGRESS, Samsun, Turkey, 23 March 2023

V. **Acid treated halloysite nanotube/carbon composites as an adsorbent for the removal of heavy metals from wastewater**

MERYEMOĞLU B., KAYA ÖZSEL B., NİŞ B.

5th International Eurasian Conference on Biological and Chemical Sciences, 23 November 2022

VI. **LC-TOF/MS ANALYSIS OF ORGANIC ACIDSWITH DIFFERENT COLUMNS**

Meryemoğlu B., Niş B., Kaya Özsel B.

5 TH INTERNATIONAL AEGEAN Symposium on Natural & Medical Sciences, İzmir, Turkey, 25 - 26 February 2022

VII. **Fermentation of cellulose hydrolysate**

Meryemoğlu B., Niş B., Kaya Özsel B.

4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), Ankara, Turkey, 24 November 2021

VIII. **The Effect of Phenolics on Gasification of Sorghum Hydrolysate**

MERYEMOĞLU B., KAYA ÖZSEL B., NİŞ B.

3RD INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, 19 March 2020 - 20 March 2019

IX. **The Use of Extruded Activated Carbon Supported Metal Catalyst for Aqueous Phase Reforming**

MERYEMOĞLU B.

4. ÇUKUROVA ULUSLARARASI BİLİMSEL ARAŞTIRMALAR KONGRESİ, 21 - 23 February 2020

X. **DETECTING VOLATILES IN LIGNOCELLULOSIC MATERIALS**

MERYEMOĞLU B.

ULUSLARARASI 5 OCAK UYGULAMALI BİLİMLER KONGRESİ, 3 - 05 January 2020

XI. **OPTIMIZATION OF ANTIOXIDANT ACTIVITY IN WASTE LIGNOCELLULOSIC BIOMASS USING RESPONSE SURFACE METHODOLOGY**

MERYEMOĞLU B., KAYA ÖZSEL B., NİŞ B.

9th INTERNATIONAL EUROPEAN CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL MEDICAL SCIENCES,

8 - 10 November 2019

- XII. **ISOTOPIC APPROACH TO PLANT BASED ALCOHOL/METHANOL MIXTURES BY MEANS OF C13/C12 ANALYSIS**
MERYEMOĞLU B., SEVİNDİK O.
1ST. INTERNATIONAL CONFERENCE OF RESEARCH ON AGRICULTURAL AND FOOD TECHNOLOGIES, 3 - 05 October 2019
- XIII. **Comparison of activated carbon supported metal catalyst efficiencies of biomass hydrolysates for hydrogen gas production**
MERYEMOĞLU B., KURTULUŞ M., FAKI E., HASANOĞLU A., IRMAK S.
14th International Conference on Energy Storage, 25 - 28 April 2018
- XIV. **UTILIZATION OF AGRICULTURAL BY-PRODUCTS FOR ACTIVATED CARBON PRODUCTION AND ITS USE AS CATALYST SUPPORT**
KAYA ÖZSEL B., NİŞ B., MERYEMOĞLU B., HASANOĞLU A.
The International Porous and Powder Materials Symposium and Exhibition, 12 - 15 September 2017
- XV. **Influence of type of carbon support on the reforming activity and selectivity of supported Pt catalysts for APR of glucose**
OZSEL B. K., MERYEMOĞLU B., Kurtulus M., HASANOĞLU A., IRMAK S.
The 6th Catalysis Conference, Bursa, Turkey, 27 April 2017 - 30 April 2016, pp.102
- XVI. **Effect of Temperature on Catalytic Gasification of Biomass for Hydrogen Production**
MERYEMOĞLU B., KURTULUŞ M., DEMİRCİ İ., HASANOĞLU A., IRMAK S.
2. Uluslararası Hidrojen Teknolojileri Kongresi, 15 - 18 March 2017
- XVII. **High Yield Hydrogen Production Through Aqueous-Phase Reforming of Biomass Hydrolysate Over Carbon Nanotube Supported Pt Catalysts**
OZSEL B. K., MERYEMOĞLU B., NİŞ B., HASANOĞLU A.
2 nd International Hydrogen Technologies Congress, Adana, Turkey, 15 - 18 March 2017, pp.50
- XVIII. **Low Temperature-Steam Phase Catalytic Gasification of Biomass Hydrolysates**
HASANOĞLU A., MERYEMOĞLU B., demirci İ., IRMAK S.
2. Uluslararası Hidrojen Teknolojileri Kongresi, 15 - 18 March 2017
- XIX. **High-Yield Hydrogen Production Through Aqueous-Phase Reforming of Biomass Hydrolysate Over Carbon Nanotube Supported Pt Catalysts**
KAYA ÖZSEL B., MERYEMOĞLU B., NİŞ B., HASANOĞLU A.
2. Uluslararası Hidrojen Teknolojileri Kongresi, 15 - 18 March 2017
- XX. **Some soil properties of different depth under wheat culture in Çukurova region**
KIZILDAĞ N., MERYEMOĞLU B.
1st International Mediterranean Science and Engineering Congress, 26 - 28 October 2016
- XXI. **The Catalytic Gasification of Kenaf Water Mixtures Under Mild Condition**
HASANOĞLU A., Demirci İ., MERYEMOĞLU B.
The 1th International Mediterranean Science and Engineering Congress, Turkey, 26 - 28 October 2016
- XXII. **Some soil properties of the different depth under wheat culture in Çukurova region**
KIZILDAĞ N., MERYEMOĞLU B.
The 1th International Mediterranean Science and Engineering Congress, 26 - 28 October 2016
- XXIII. **The Effect of Irrigation with Biomass Hydrolysates on Soil**
MERYEMOĞLU B., KIZILDAĞ N., KILIÇ ÇETİN S.
1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, pp.2416
- XXIV. **Investigation of Dyeing Properties of Natural Dyes Obtained from Lignocellulosic Biomass**
MERYEMOĞLU B.
The 1th International Mediterranean Science and Engineering Congress, 26 - 28 October 2016
- XXV. **The Effect of Organic Solvents On Biomass Hydrolysis**
Kurtulus M., MERYEMOĞLU B., HASANOĞLU A., IRMAK S.
The 1th International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.2334

- XXVI. **Comparison of solubilization efficiencies of perennial grasses and agricultural biomass residues in subcritical water for high yielding hydrogen gas production**
IRMAK S., MERYEMOĞLU B.
ASABE Annual International Meeting, 17 - 20 July 2016
- XXVII. **Xylitol production from corn biomass residues**
CANISAG H., VOKOUN C., MERYEMOĞLU B., IRMAK S.
Corn Utilization Technology Conference, 6 - 08 June 2016
- XXVIII. **THE EFFECT OF PEROXIDE ON BIOMASS HYDROLYSIS AND CATALYTIC GASIFICATION OF HYDROLYSATES**
Kurtuluş M., MERYEMOĞLU B., HASANOĞLU A., IRMAK S.
The 6th Catalysis Conference, Turkey, 27 - 30 April 2016
- XXIX. **The effect of peroxide on biomass hydrolysis and catalytic gasification on hydrolysates**
KURTULUŞ M., MERYEMOĞLU B., HASANOĞLU A., IRMAK S.
The 6th Catalysis Conference, Turkey, 27 - 30 April 2016
- XXX. **Preparation supported Pt and Ru catalysts and their performances in AVPR Process**
MERYEMOĞLU B., KURTULUŞ M., HASANOĞLU A., IRMAK S.
The 6th Catalysis Conference, Turkey, 27 - 30 April 2016
- XXXI. **LİGNOSELÜLOZİK BİYOKÜTLE HİDROLİZATLARININ GAZLAŞTIRILMASINDA KULLANILMAK ÜZERE AKTİF KATALİZÖR GELİŞTİRİLMESİ**
MERYEMOĞLU B., IRMAK S., HASANOĞLU A., ERBATUR O.
5. Ulusal Kataliz Kongresi, Turkey, 23 - 26 April 2016
- XXXII. **EFFECT OF MICROWAVE PRE-TREATMENT ON THE SOLUBILIZATION OF LIGNOCELLULOSIC BIOMASS IN SUBCRITICAL WATER FOR PRODUCTION OF BIOFUELS AND BIOPRODUCTS**
IRMAK S., MERYEMOĞLU B., SANDIP A., SUBBIAH J., SARATH G.
UNL Biofuels and Bioproducts Symposium, 18 September 2015
- XXXIII. **SULU FAZ REFORMLAMA YÖNTEMİYLE HİDROJEN GAZI OLUŞTURMADA KULLANILAN KATALİZÖRÜN DESTEK MATERYALİNİN PARTİKÜL BOYUTUNUN ETKİSİ**
MERYEMOĞLU B., KAYA ÖZSEL B., IRMAK S., HASANOĞLU A., ERBATUR O.
VI. Ulusal Analitik Kimya Kongresi, Turkey, 3 - 07 September 2012
- XXXIV. **BİYOKÜTLEDEN SULU ORTAMDA HİDROJENCE ZENGİN GAZ KARIŞIMI ELDE ETMEK İÇİN AKTİF KARBON DESTEKLİ PLATİN KATALİZÖRLERİN GELİŞTİRİLMESİ**
MERYEMOĞLU B., IRMAK S., HASANOĞLU A., ERBATUR O.
VI. ULUSAL ANALİTİK KİMYA KONGRESİ, Turkey, 3 - 07 September 2012
- XXXV. **Aqueous phase reforming of lignocelulosic biomass for hydrogen gas production**
KURTULUŞ M., IRMAK S., MERYEMOĞLU B., KAYA ÖZSEL B., HASANOĞLU A., ERBATUR O.
18th European Biomass Conference and Exhibition, 3 - 07 May 2010
- XXXVI. **DEVELOPING AQUEOUS PHASE REFORMING CATALYSTS VIA DOPING PLATINUM ON VARIOUS CARBON MATERIALS FOR HYDROGEN GAS PRODUCTION FROM LIGNOCELLULOSIC HYDROLYSATES**
KAYA ÖZSEL B., MERYEMOĞLU B., HASANOĞLU A., IRMAK S., ERKEY C., ERBATUR O.
Turkish-Japan Joint Carbon Symposium, 18 - 19 March 2010
- XXXVII. **Buğday Samanının Farklı Katalizörler Kullanılarak Sulu Faz Reformlama Yöntemi ile Gazlaştırılması**
MERYEMOĞLU B., HASANOĞLU A., IRMAK S., ATANUR O. M., ERBATUR O.
IV. ULUSAL HİDROJEN ENERJİSİ KONGRESİ ve SERGİSİ, Turkey, 15 - 16 October 2009
- XXXVIII. **Hydrolysis of wheat straw biomass via catalytic thermal treatment in subcritical water**
IRMAK S., HASANOĞLU A., OZTURK I., MERYEMOĞLU B., KAYA ÖZSEL B., BALIN T., ERBATUR O.
2008 AACC International Annulal Meeting, 21 - 24 September 2008
- XXXIX. **Katalitik ısı ile hidroliz edilen lignoselüloziklerden oluşan ürünlerin boyut dışlama kromatografisi (SEC) ve HPLC ile analizleri**
IRMAK S., HASANOĞLU A., OZTURK I., MERYEMOĞLU B., KAYA ÖZSEL B., BALIN T.
IV. Ulusal Analitik Kimya Kongresi, Turkey, 25 - 27 June 2008

Supported Projects

- SELLİ S., MERYEMOĞLU B., KOCA M. B., ÇALYAN U., SEVİNDİK O., ÖZÇAKIR B., ÜNAL B., Project Supported by Higher Education Institutions, Çukurova Üniversitesi Merkezi Araştırma Laboratuvarı Akreditasyonu ve Bazı Fermente Gıdalarda Akredite Metotlarla Orijin Belirlenmesi, 2022 - Continues
- KIZILDAĞ ÖZDAL N., AKA SAĞLIKER H., MERYEMOĞLU B., Project Supported by Higher Education Institutions, Biyolojik olarak sentezlenen Gümüş Ag NPs ve Palladium Pd NPs nanopartiküllerinin toprak C ve N mineralizasyonuna etkileri, 2020 - Continues
- Uçar Y., Köşker A. R., Özoğul F., Özoğul Y., Durmuş M., Yazgan H., Sakarya Y., Ayas D., Yılmaz H. A., Döndaş H. A., et al., Project Supported by Higher Education Institutions, İstilacı Balon Balıkları Kullanılarak Üretilen Balık Unlarında Tetradotoksin Varlığının Araştırılması, 2024 - 2026
- MERYEMOĞLU B., KAYA ÖZSEL B., Project Supported by Higher Education Institutions, Lignin model bileşiklerinin sulu faz reformlaması, 2023 - 2024
- MERYEMOĞLU B., NİŞ B., KAYA ÖZSEL B., Project Supported by Higher Education Institutions, Biyokütle Hidrolizatlarından Organik Asit Üretimi, 2021 - 2022
- KARDAŞ G., KIZILDAĞ N., EKİCİBİL A., MERYEMOĞLU B., ÇALYAN U., TAKCI D. K., KILIÇ ÇETİN S., Project Supported by Higher Education Institutions, Çukurova Üniversitesi Merkezi Araştırma Laboratuvarının Güçlendirilmesi, 2018 - 2021
- KARDAŞ G., KIZILDAĞ N., KILIÇ ÇETİN S., MERYEMOĞLU B., EKİCİBİL A., TAKCI D. K., ÇALYAN U., Project Supported by Higher Education Institutions, Çukurova Üniversitesi Merkezi Araştırma Laboratuvarındaki Sıvı Azot Üretim Cihazının Kapasite ve Depolama Hacminin Arttırılması ve Sıvı Azot Üretim Laboratuvarının Geliştirilmesi, 2017 - 2021
- MERYEMOĞLU B., KILIÇ ÇETİN S., KIZILDAĞ N., Project Supported by Higher Education Institutions, Sorgum hidrolizatlarının fenolik içeriklerinin belirlenmesi ve gazlaştırmaya etkisi, 2017 - 2018
- KILIÇ ÇETİN S., MERYEMOĞLU B., KIZILDAĞ N., Project Supported by Higher Education Institutions, Ba-Katlı Lantanit Manganit Bileşiklerinin Manyetik ve Manyetokalorik Özelliklerinin İncelenmesi, 2016 - 2017
- KIZILDAĞ ÖZDAL N., KILIÇ S., MERYEMOĞLU B., Project Supported by Higher Education Institutions, Anız yakmanın toprak organik madde mineralizasyonuna etkileri, 2016 - 2017
- MERYEMOĞLU B., KILIÇ S., KIZILDAĞ N., Project Supported by Higher Education Institutions, Kenaf Hidrolizatlarının Toprak Verimliliğine ve Fasulye Bitkisi Gelişimine Etkisi, 2016 - 2016
- HASANOĞLU A., TUBITAK Project, Atmosferik Basınçta Katalitik Buhar Faz Reformlama Tekniği ile Lignoselülozik Biyokütleden Hidrojen Eldesi, 2014 - 2016
- Hasanoğlu A., Tüken T., Irmak S., Erbatur O., TUBITAK Project, Mikrobiyal Elektroliz Yönemiyle Organik Materyalce Zengin Atık Sulardan ve Lignoselülozik Biyokütle Hidroliz Çözeltiçlerinden Hidrojen Gazı Eldesi, 2011 - 2013
- Hasanoğlu A., Erbatur O., Irmak S., TUBITAK Project, Lignoselülozik Biyokütleden Hidrojen Gazı Elde Etmek için Kesiksiz Sulu Faz Reformlama İşleminin Geliştirilmesi, 2010 - 2011
- Hasanoğlu A., Erbatur O., Irmak S., TUBITAK Project, Lignoselülozik Biyokütleden Sulu Faz Reformlama ile Hidrojen Eldesi, 2008 - 2010
- Hasanoğlu A., TUBITAK Project, Kömür-Su Karışımlarının Elektrolizi ile Hidrojen Gazı Eldesi, 2006 - 2009

Scientific Refereeing

- Konya mühendislik bilimleri dergisi (Online), National Scientific Refreed Journal, November 2022
- Hacettepe Journal of Biology and Chemistry, National Scientific Refreed Journal, February 2022
- FUEL, SCI Journal, August 2021
- FUEL, SCI Journal, November 2020
- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, October 2020
- FUEL, SCI Journal, May 2020
- FUEL, SCI Journal, July 2014

Metrics

Publication: 70

Citation (WoS): 339

Citation (Scopus): 382

H-Index (WoS): 10

H-Index (Scopus): 10

Congress and Symposium Activities

1st International Mediterranean Science and Engineering Congress, Attendee, Adana, Turkey, 2016

ASABE Annual International Meeting, Attendee, Florida, United States Of America, 2016

Corn Utilization & Technology Conference, Attendee, Missouri, United States Of America, 2016

The 6th Catalysis Conference, Attendee, Bursa, Turkey, 2016

International Porous Powder Material, Attendee, İzmir, Turkey, 2015

Biofuels and Bioproducts Symposium, Attendee, Nebraska, United States Of America, 2015

5. Ulusal Kataliz Kongresi, Attendee, Adana, Turkey, 2014

6. Ulusal Analitik Kimya Kongresi, Hatay, Attendee, Turkey, 2012

18th European Biomass Conference and Exhibition, Attendee, Lyon, France, 2010

Carbon Materials for Today and Future Turkish-Japanese Joint Carbon Symposium, Attendee, İstanbul, Turkey, 2010

IV. Ulusal Hidrojen Enerjisi Kongresi ve Sergisi, Attendee, Kocaeli, Turkey, 2009

AACC International Annual Meeting, Attendee, Hawaii, United States Of America, 2008

4th National Analytical Chemistry Congress, Attendee, Elazığ, Turkey, 2008

Non Academic Experience

Nanokarbon-ileri Malzemeler Ltd. Şti.