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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya/Analitik Kimya, Turkey 2001 - 2004

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya/Analitik Kimya, Turkey 1998 - 2001

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Kimya, Turkey 1994 - 1998

Foreign Languages

Russian, B1 Intermediate

English, B2 Upper Intermediate

Dissertations

Doctorate, Petrol Ağır Kesimleri İle Kömürlerin Birlikte Sıvılaştırılması ve Jet Yakıtı Eldesi, Cukurova University, Fen Bilimleri Enstitüsü, Kimya/Analitik Kimya, 2004

Postgraduate, Beypazarı (Çayırhan) Linyitinden Doğrudan Katalitik Hidrojenasyon İle Jet Yakıtı Eldesi, Cukurova University, Fen Edebiyat Fakültesi, Kimya/Analitik Kimya, 2001

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2017 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2012 - 2017

Lecturer PhD, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2005 - 2012

Supervised Theses

Hasanoğlu A., Kömür/biyokütle karışımlarının hidrotermal gazlaştırılması, Doctorate, E.FAKI(Student), 2022

Hasanoğlu A., Haşıl uygulamalarında sentetik polimerler yerine nişasta bazlı polimerlerin kullanılması, Postgraduate, K.BOLAT(Student), 2020

Hasanoğlu A., Kömür-Biyokütle Karışımlarından Hidrojen Eldesi ve Karbondioksit Tecridi, Doctorate, A.SEÇER(Student), 2019

HASANOĞLU A., Kenafın İlimli Koşullarda Doğrudan Katalitik Gazlaştırılması ve Hidrojen Eldesi, Postgraduate,

İ.DEMİRCİ(Student), 2017

HASANOĞLU A., Biyokütlenin Çözündürülmesi ve Atmosferik Koşullarda Gazlaştırılması, Doctorate,

M.KURTULUŞ(Student), 2017

HASANOĞLU A., BİYOKÜTLE HİDROLİZATLARININ DÜŞÜK SICAKLIK-BUHAR FAZINDA KATALİTİK GAZLAŞTIRILMASI, Postgraduate, Y.KENİŞ(Student), 2016

HASANOĞLU A., GRAFEN OKSİT/ARAMİD VE GRAFEN/ARAMİD KOMPOZİTLERİNİN GELİŞTİRİLMESİ, Postgraduate, E.ERİKLİ(Student), 2014

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HASANOĞLU A., TİTANYUM VE KARBON KEÇE ÜZERİNE PLATİN VE PLATİN/İRİDYUM KAPLAMA ELEKTRODLARIN KÖMÜR-SU KARIŞIMLARININ ELEKTROLİZİNDEKİ ETKİNLİKLERİNİN KIYASLANMASI, Postgraduate, H.KINIK(Student), 2009

HASANOĞLU A., BUĞDAY SAMANININ FARKLI KATALİZÖRLER KULLANILARAK SULU FAZ REFORMLAMA YÖNTEMİ İLE GAZLAŞTIRILMASI, Postgraduate, B.MERYEMOĞLU(Student), 2009

HASANOĞLU A., SÜPERKRİTİK KARBONDİOKSİT İLE ZEYTİNYAĞI ELDESİ VE BİYOFENOLİK İLE TRİGLİSERİD BİLEŞİMLERİ AÇISINDAN KONVANSİYONEL TEKNOJİLERLE ELDE EDİLEN ZEYTİNYAĞLAR İLE KIYASLANMASI, Postgraduate, C.BÜYÜKİKİZ(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The behavioral responses of *Ceratitis capitata* (Diptera: Tephritidae) to predominant volatile compounds of apricot**
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- II. **Effect of sorghum biomass on hydrothermal co-gasification of PET/HDPE/ PP/PVC for hydrogen production**
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- III. **Utilization of PET (waste) via hydrothermal co-gasification with sorghum for hydrogen rich gas production**
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- IV. **Co-solvent effects on hydrothermal co-gasification of coal/biomass mixtures for hydrogen production**
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- VI. **Hydrogen production from low temperature supercritical water Co-Gasification of low rank lignites with biomass**
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study for high yield hydrogen production

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- IX. **Evaluation of the effects of process parameters on co-gasification of can lignite and sorghum biomass with response surface methodology: An optimization study for high yield hydrogen production**
Secer A., HASANOĞLU A.
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- X. **Hydrogen production by gasification of Kenaf under subcritical liquid-vapor phase conditions**
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- XIV. **Production of activated carbon materials from kenaf biomass to be used as catalyst support in aqueous-phase reforming process**
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- XV. **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.
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- XVI. **Improving activity of Pt supported metal catalysts by changing reduction method of Pt precursor for hydrogen production from biomass**
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Kaya B., IRMAK S., HASANOĞLU A., ERBATUR O.
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- XX. **Evaluation of various carbon materials supported Pt catalysts for aqueous-phase reforming of lignocellulosic biomass hydrolysate**
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- XXI. **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)
- XXII. **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)
- XXIII. **Gasification efficiencies of cellulose, hemicellulose and lignin fractions of biomass in aqueous media by using Pt on activated carbon catalyst**
IRMAK S., Kurtulus M., Hasanoglu (Hesenov) A., ERBATUR O.
BIOMASS & BIOENERGY, vol.49, pp.102-108, 2013 (SCI-Expanded)
- XXIV. **Co-processing of Turkish High-Sulfur Coals and Their Blends with a Petroleum Asphalt. Part 1: In the Absence of a Catalyst**
Hasanoglu (Hesenov) A., Gul O., Aksoy P., ERBATUR O.
ENERGY & FUELS, vol.26, no.12, pp.7220-7229, 2012 (SCI-Expanded)
- XXV. **Effect of support materials on supported platinum catalyst prepared using a supercritical fluid deposition technique and their catalytic performance for hydrogen-rich gas production from lignocellulosic biomass**
Kaya B., IRMAK S., Hesenov A., ERBATUR O., Erkey C.
BIORESOURCE TECHNOLOGY, vol.123, pp.723-726, 2012 (SCI-Expanded)
- XXVI. **Comparison of batch aqueous-phase reforming of glycerol and lignocellulosic biomass hydrolysate**
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- XXVII. **Electrolysis of coal slurries to produce hydrogen gas: Effects of different factors on hydrogen yield**
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- XXVIII. **Effects of the dietary flax or grape seed oils on the egg yolk fatty acid composition and on the n-3/n-6 polyunsaturated fatty acid ratio in laying hens**
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- XXXII. **Aqueous-phase reforming of biomass using various types of supported precious metal and raney-nickel catalysts for hydrogen production**
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INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, no.22, pp.12580-12587, 2010 (SCI-Expanded)
- XXXIII. **Hydrolysis of kenaf (*Hibiscus cannabinus* L.) stems by catalytical thermal treatment in subcritical water**
ÖZTÜRK I., IRMAK S., Hesenov A., ERBATUR O.
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- XXXIV. **Study on the stability of supercritical fluid extracted rosemary (*Rosmarinus officinalis* L.) essential oil**
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- XXXVI. **Photocatalytic degradation of Basic Red 46 and Basic Yellow 28 in single and binary mixture by UV/TiO₂/periodate system**
Gozmen B., Turabik M., Hesenov A.
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- XXXVII. **Catalytic direct liquefaction of high-sulfur coals and their blends with asphaltite in the absence of a solvent**
Guel O., GAFAROVA P., Hesenov A., SCHOBERT H. H., Erbatur O.
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- XXXVIII. **PETR 84-Co-liquefaction of Cayirhan lignite blended with petroleum vacuum residue**
Hesenov A., Guel O., Aksoy P. G., Schobert H., ERBATUR O.
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Articles Published in Other Journals

- I. **Tunçbilek Linyitinin Sorgum Biyokütlesi ve Biyokütle Hidrolizatı ile Birlikte Gazlaştırılması**
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Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.1, pp.57-63, 2020 (Peer-Reviewed Journal)
- II. **Çan Linyitinin Katalitik Gazlaştırılması ile Hidrojen Eldesi**
SEÇER A., HASANOĞLU A.
Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.1, pp.223-232, 2019 (Peer-Reviewed Journal)
- III. **Investigation of Organic Solvents Effects on Kenaf (Hibiscus cannabinus L.) Biomass Conversion in Subcritical Water**
MERYEMOĞLU B., HASANOĞLU A., KURTULUŞ M., IRMAK S.
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- IV. **Kenaf Hidrolizi Sonrası Kalan Katı Atığın Gazlaştırılması**
MERYEMOĞLU B., HASANOĞLU A.
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- II. **EVALUATION OF HYDROGEN PRODUCTION FROM GASIFICATION OF SINGLE PLASTIC (PET) AND MIX PLASTIC (PET/HDPE) WITH SORGHUM BIOMASS**
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- III. **The effect of gasification of polyethylene terephthalate (PET) at different temperatures on total gas and hydrogen yield by atmospheric pressure vapor phase reforming**
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- IV. **Hydrogen production from Kenaf biomass: Effect of catalyst**
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- V. **Comparison of activated carbon supported metal catalyst efficiencies of biomass hydrolysates for hydrogen gas production**
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- VII. **UTILIZATION OF AGRICULTURAL BY-PRODUCTS FOR ACTIVATED CARBON PRODUCTION AND ITS USE AS CATALYST SUPPORT**
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- VIII. **Influence of type of carbon support on the reforming activity and selectivity of supported Pt catalysts for APR of glucose**
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