Asst. Prof. AÇELYA SEÇER

Personal Information

Office Phone: +90 322 338 6081 Extension: 18
Email: acsecer@cu.edu.tr
Web: https://avesis.cu.edu.tr//acsecer
Address: Çukurova Üniversitesi Fen Edebiyat Fakültesi Kimya Bölümü Analitik kimya Araştırma Laboratuvarı

International Researcher IDs
ORCID: 0000-0002-5967-8700
Publons / Web Of Science ResearcherID: D-7877-2018
ScopusID: 57203936799
Yoksis Researcher ID: 102857

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2012 - 2019
Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2010 - 2012
Undergraduate, Abant İzzet Baysal Üniversitesi, Fen Edebiyat Fakültesi, Kimya, Turkey 2005 - 2009

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Kömür ve kömür-biyokütle karışımlarından hidrojen eldesi, Cukurova University, Fen Bilimleri Enstitüsü, 2019
Postgraduate, EPPG ve NANO-METAL YÜKLÜ EPPG ELEKTROTLARIN MİKROBİYAL ELEKTROLİZDEKİ ETKİNLİKLERİNİN ARAŞTIRILMASI, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, 2012

Research Areas

Chemistry, Analytical Chemistry, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2020 - Continues
Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, 2010 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Utilization of PET (waste) via hydrothermal co–gasification with sorghum for hydrogen rich gas**

production
Türker Üzden Ş., Seçer A., Fakı E., Hasanoğlu A.
JOURNAL OF THE ENERGY INSTITUTE, vol.107, no.107, pp.101193-101203, 2023 (SCI-Expanded)

II. **Co-solvent effects on hydrothermal co-gasification of coal/biomass mixtures for hydrogen production**
HASANOĞLU A., Faki E., SEÇER A., Uzden Ş.
FUEL, vol.331, 2023 (SCI-Expanded)

III. **Hydrogen production from low temperature supercritical water Co-Gasification of low rank lignites with biomass**
Faki E., Uzden Ş., SEÇER A., HASANOĞLU A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.12, pp.7682-7692, 2022 (SCI-Expanded)

IV. **Use of modified corn starches as environmental and cost-friendly alternatives of PVA in sizing applications**
Bolat K., Hasanoğlu A., Seçer A.
JOURNAL OF THE TEXTILE INSTITUTE, vol.112, no.10, pp.1688-1699, 2021 (SCI-Expanded)

V. **Hydrothermal co-gasification of sorghum biomass and çan lignite in mild conditions: An optimization study for high yield hydrogen production**
Seçer A., Fakı E., Türker Üzden Ş., HASANOĞLU A.
International Journal of Hydrogen Energy, vol.45, no.4, pp.2668-2680, 2020 (SCI-Expanded)

VI. **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.
FUEL, vol.259, 2020 (SCI-Expanded)

VII. **Hydrogen production by gasification of Kenaf under subcritical liquid-vapor phase conditions**
HASANOĞLU A., Demirci I., Secer A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.27, pp.14127-14136, 2019 (SCI-Expanded)

VIII. **Hydrogen production by gasification of Kenaf under subcritical liquid?vapor phase conditions**
HASANOĞLU A., Demirci İ., SEÇER ATEŞ A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, no.1, pp.18, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. **Tunçbilek Linyitinin Sorgum Biyokütlesi ve Biyokütle Hidrolizatı ile Birlikte Gazlaştırılması**
Seçer A., Hasanoğlu A.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.1, pp.57-63, 2020 (Peer-Reviewed Journal)

II. **Çan Linyitinin Sorgum Biyokütlesi İle Birlikte Gazlaştırılmasında Biyokütle Oranı ve Sıcaklığın Etkisi**
SEÇER A.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2020 (Peer-Reviewed Journal)

III. **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)

IV. **Effects of Different Solvents on Co-gasification of Can Lignite with Sorghum Biomass**
SEÇER A.
International Journal of Scientific and Technological Research, 2019 (Peer-Reviewed Journal)

V. **Hydrogen Production by Microbial Electrolysis Using Nickel and Platinum Deposited EPPG Electrodes**
SEÇER ATEŞ A.
International Journal of Scientific and Technological Research, vol.5, no.2, pp.140-145, 2019 (Peer-Reviewed

Journal)

VI. **Co-gasification of Sorghum Hydrolysis Waste and Çan Lignite**
SEÇER A.
Journal of Current Research on Engineering,Science and Technology, vol.5, no.1, pp.11-18, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **EVALUATION OF HYDROGEN PRODUCTION FROM GASIFICATION OF SINGLE PLASTIC (PET) AND MIX PLASTIC (PET/HDPE) WITH SORGHUM BIOMASS**
TÜRKER ÜZDEN Ş., SEÇER A., HASANOĞLU A.
Eurasiaweb International Conference, Incheon, South Korea, Incheon, South Korea, 7 - 08 April 2023

II. **Hydrogen production from Kenaf biomass: Effect of catalyst**
SEÇER ATEŞ A., DEMİRCİ İ., HASANOĞLU A.
ENERSTOCK 2018, 25 - 28 April 2018

III. **ydrogen Production from Kenaf Biomass: Effect of Catalyst**
SEÇER ATEŞ A., Demirci İ., HASANOĞLU A.
ENERSTOCK 2018, Adana, Turkey, 25 April - 28 May 2018, pp.964-969

IV. **Co-gasification of Çan Lignite with Kenaf Hydrolysate: Effects of Temperature and Flow Rate**
SEÇER ATEŞ A., KÜÇET N., HASANOĞLU A.
2 nd International Hydrogen Technolgies Congress, 15 - 18 March 2017

V. **Gasification of Çan Lignite vith AVPR Method for Hydrogen Production**
SEÇER ATEŞ A., HASANOĞLU A.
he 1th International Mediterranean Science and Engineering Congress (IMSEC 2016), Turkey, 26 - 28 October 2016

VI. **Gasification of Çan Lignite**
SEÇER ATEŞ A., HASANOĞLU A.
NCC6-6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016, pp.94

VII. **EPPG ve Nanometal yüklü EPPG Elektrotların Mikrobiyal Elektroliz ile Hidrojen Gazı Üretimine Etkilerinin Araştırılması**
SEÇER ATEŞ A.
6. Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 3 - 07 September 2012, pp.67

Supported Projects

SEÇER A., Şayan Y. E., Project Supported by Higher Education Institutions, ORGANİK ÇÖZÜCÜCÜLERİN ILIMLI KOŞULLARDA BİYOKÜTLE GAZLAŞTIRMASINA ETKİSİ, 2021 - 2024
HASANOĞLU A., SEÇER ATEŞ A., Project Supported by Higher Education Institutions, KÖMÜR ve KÖMÜR-BİYOKÜTLE KARIŞIMLARINDAN HİDROJEN ELDESİ, 2015 - 2020

Metrics

Publication: 22
Citation (WoS): 26
Citation (Scopus): 44
H-Index (WoS): 3
H-Index (Scopus): 4

Congress and Symposium Activities

Enerstock 2018, Attendee, Adana, Turkey, 2018
UHTEC, Attendee, Adana, Turkey, 2017
IMSEC, Attendee, Adana, Turkey, 2016
NCC6-The 6th Catalysis Conference, Attendee, Bursa, Turkey, 2016
International Porous Powder Materials Symphosium & Exhibition, Attendee, İzmir, Turkey, 2015
6. Ulusal Analitik Kimya Kongresi, Attendee, Hatay, Turkey, 2012