

## Res. Asst. ALİ CEM YAKARYILMAZ

### Personal Information

**Office Phone:** [+90 322 338 6600](tel:+903223386600) Extension: 3636

**Email:** acyakaryilmaz@cu.edu.tr

**Web:** <https://avesis.cu.edu.tr/acyakaryilmaz>

### International Researcher IDs

ORCID: 0000-0001-7977-2959

Publons / Web Of Science ResearcherID: F-1411-2018

ScopusID: 57200757147

Yoksis Researcher ID: 268191

### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği, Turkey 2018 - Continues

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği, Turkey 2017 - 2018

Undergraduate, Cukurova University, Mühendislik-Mimarlık Fakültesi, Otomotiv Mühendisliği, Turkey 2010 - 2015

### Dissertations

Postgraduate, Energy and Exergy Analysis of A Proton Exchange Membrane Fuel Cell (PEMFC), Cukurova University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği, 2018

### Research Areas

Energy, Renewable energy, Mechanical Engineering, Energy, Alternative Energy Resources, Hydrogen Technologies and Fuel Cells , Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği, 2017 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. Effects of hydrogen addition into liquefied petroleum gas reductant on the activity of Ag-Ti-Cu/Cordierite catalyst for selective catalytic reduction system

Keskin Z., ÖZGÜR T., ÖZARSLAN H., YAKARYILMAZ A. C.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.10, pp.7634-7641, 2021 (SCI-Expanded)

- II. A review: Exergy analysis of PEM and PEM fuel cell based CHP systems

ÖZGÜR T., YAKARYILMAZ A. C.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.38, pp.17993-18000, 2018 (SCI-Expanded)

- III. Thermodynamic analysis of a Proton Exchange Membrane fuel cell

ÖZGÜR T., YAKARYILMAZ A. C.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.38, pp.18007-18013, 2018 (SCI-Expanded)
- IV. Investigation the Fuel Properties of Apricot Kernel Biodiesel and Diesel-Biodiesel Fuel Blends**  
 ÖZGÜR C., YAKARYILMAZ A. C., TOSUN E., AKAR M. A., ÖZGÜR T.  
 JOURNAL OF BIOTECHNOLOGY, vol.208, pp.30, 2018 (SCI-Expanded)

## Articles Published in Other Journals

### I. Development of a prototype hydrogen vehicle

Yakaryilmaz A. C., Yildizhan Ş., Aktaş A. E., Baş O., Tosun E., Özgür T., Aydin K.

International Journal of Automotive Engineering and Technologies, vol.9, no.4, pp.190-195, 2020 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

### I. Recent Advances in NOx Abatement Performance of Copper-Based Zeolite Catalysts in Hydrocarbon Selective Catalytic Reduction Systems

Yakaryilmaz A. C., Özgür T.

6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.654-656

### II. Effects of higher alcohol addition to diesel fuel on emission and performance characteristics of compression ignition engine: An overview

YAKARYILMAZ A. C., TOSUN E., ÖZGÜR T.

5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Antalya, Turkey, 21 - 23 October 2020

### III. Performance And Emission Characteristics Of A Diesel Engine Equipped With A Dual Renewable Oxyhydrogen (HHO) Gas Generation System

YAKARYILMAZ A. C., ÖZGÜR T., ÖZCANLI M.

5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Antalya, Turkey, 21 - 23 October 2020

### IV. Addition of hydrogen into LPG reductant in SCR system with Ag-Ti-Cu/Al2O3 catalyst

ÖZARSLAN H., YAKARYILMAZ A. C., ÖZGÜR T., KESKİN A.

4th International Mediterranean Science and Engineering Congress (IMSEC 2019), 25 - 27 April 2019, pp.1110

### V. Investigation the fuel properties of apricot kernel biodiesel and diesel-biodiesel fuel blends

Ozgur C., YAKARYILMAZ A. C., TOSUN E., AKAR M. A., ÖZGÜR T.

European Biotechnology Congress, Athens, Greece, 26 - 28 April 2018, vol.280

### VI. Energy and Exergy Analysis of 1 kW Self-humidified PEM Fuel Cell

ÖZGÜR T., YAKARYILMAZ A. C., TOSUN E., AKAR M. A., ÖZCANLI M.

3rd International Hydrogen Technologies Congress, Antalya, Turkey, 15 - 18 March 2018, pp.106

### VII. Thermodynamic Analysis of a Proton Exchange Membrane Fuel Cell

ÖZGÜR T., YAKARYILMAZ A. C.

2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2296

### VIII. A review of exergy analysis of both PEM fuel cells and CHP systems based on PEM fuel cell

ÖZGÜR T., YAKARYILMAZ A. C.

2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2295

## **Supported Projects**

ÖZGÜR T., YAKARYILMAZ A. C., TOSUN E., Project Supported by Higher Education Institutions, Proton Değişim Membranlı Yakıt Pilinin Enerji ve Ekserji Analizi, 2018 - 2019

## **Metrics**

Publication: 14

Citation (WoS): 54

Citation (Scopus): 57

H-Index (WoS): 2

H-Index (Scopus): 2