

## Res. Asst. HİMMET ÖZARSLAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: J-2732-2018

Yoksis Researcher ID: 186270

### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Otomotiv Müh. Anabilimdalı, Turkey 2017 - Continues

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Otomotiv Müh. Anabilimdalı, Turkey 2013 - 2016

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, Design and development of a light weight composite chassis for electric vehicle applications, Cukurova University, Mühendislik-Mimarlık Fakültesi, Otomotiv Mühendisliği, 2016

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Cukurova University, Mühendislik-Mimarlık, Otomotiv Mühendisliği, 2017 - Continues

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

- I. **The effect of fusel oil as a reductant over the multi-metallic catalyst for selective catalytic reduction of NOx in diesel exhaust at low-temperature conditions**  
Sumer S. U. H., KEİYİNCİ S., KESKİN A., ÖZARSLAN H., Keskin Z.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.41, no.20, pp.1901-1917, 2023 (SCI-Expanded)
- II. **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)

- III. **Influence of transition metal based SCR catalyst on the NO<sub>x</sub> emissions of diesel engine at low exhaust gas temperatures**  
Keskin A., Yaşar A., Candemir O. C., Özarslan H.  
FUEL, vol.273, 2020 (SCI-Expanded)
- IV. **Properties of ethyl alcohol-water mixtures as a reductant in a SCR system at low exhaust gas temperatures**  
Ahmad M. A. C. M., KESKİN A., ÖZARSLAN H., Keskin Z.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2020 (SCI-Expanded)
- V. **Selective catalytic reduction of NO<sub>x</sub> emissions by hydrocarbons over Ag-Pt/Al<sub>2</sub>O<sub>3</sub> catalyst in diesel engine**  
Resitoglu I. A., Keskin A., Ozarslan H., Bulut H.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.11, pp.6959-6966, 2019 (SCI-Expanded)
- VI. **Low temperature catalytic activity of Ag based SCR catalysts with 2-propanol-toluene mixture as reductant**  
YAŞAR A., KESKİN A., Keskin Z., ÖZARSLAN H., KALTAR S.  
MATERIALS RESEARCH EXPRESS, vol.6, no.9, 2019 (SCI-Expanded)

### Articles Published in Other Journals

- I. **SYNTHESIS OF HYDROCARBON-SELECTIVE CATALYTIC REDUCTION CATALYST CONTAINING METAL NANO PARTICLES**  
YAŞAR A., Candemir O. C., ÖZARSLAN H., KESKİN A.  
International Journal of Mechanical and Production Engineering, vol.8, no.1, pp.6-9, 2020 (Peer-Reviewed Journal)
- II. **Characterization of SCR Catalyst Based Ag-Nb-Pt**  
KESKİN A., YAŞAR A., Zeycan K., AKAR M. A., REŞİTOĞLU İ. A., ÖZARSLAN H., AYDIN K.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.33, no.4, pp.9-16, 2018 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Production and Evaluation of Ti-Mo-Cu Based SCR Catalyst**  
ÇALIŞKAN H. H., KESKİN A., ÖZARSLAN H.  
4th International Mediterranean Science and Engineering Congress, Antalya, Turkey, 25 - 27 April 2019, pp.1221-1224
- II. **Production and Characterization of Ag-Cu Based Catalyst for SCR System**  
KESKİN A., YAŞAR A., ÖZARSLAN H.  
4th International Mediterranean Science and Engineering Congress, Antalya, Turkey, 25 - 27 April 2019, pp.1099-1103
- III. **Characterization of SCR Catalyst Based Ti-Ce-Cu**  
Çalışkan H. H., ÖZARSLAN H., KESKİN A.  
4th International Mediterranean Science and Engineering Congress (IMSEC 2019), Antalya, Turkey, 25 - 27 April 2019, pp.745-748
- IV. **Ag, Cu, Pt ve Ce esaslı HC-SCR katalizörü sentezi**  
KESKİN A., KALTAR S., ÖZARSLAN H.  
2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- V. **HC-SCR sistemi için Ag esaslı katalist sentezlenmesi**  
KESKİN A., ÖZARSLAN H., YAŞAR A., KASAR H.  
2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- VI. **Gümüş nitrat, bakır (II) nitrat trihidrat ve tetra amin platin (II) nitrat nano partikülleri ile SCR**

### **katalizörü sentezi**

KESKİN A., KILIÇ M., ÖZARSLAN H., REŞİTOĞLU İ. A.

2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017

### **VII. A review of the catalysts and reductants used in HC-SCR**

KESKİN A., Mohamad Al Cheikh M. A., ÖZARSLAN H.

2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017

### **VIII. Ag-Nb-Pt esaslı SCR katalizör sentezi**

KESKİN A., AYDIN K., AKAR M. A., YAŞAR A., REŞİTOĞLU İ. A., ÖZARSLAN H.

2nd International Mediterranean SCIENCE AND ENGINEERING CONGRESS, 25 - 27 October 2017, pp.2260

### **IX. Ag-Pt esaslı SCR sistemi katalisti sentezi**

KESKİN A., ÖZARSLAN H., BULUT H., KESKİN Z., REŞİTOĞLU İ. A.

2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017

### **X. Dynamic Simulation of Automobile Crank Shaft**

Uluocak İ., Yavuz H., Özarslan H., Burgaç A., Akbıyık H., Conker Ç.

International Conference and Exhibition on Automobile Engineering, Valencia, Spain, 1 - 02 September 2015, vol.4, pp.38

## **Supported Projects**

KESKİN A., ÖZARSLAN H., Project Supported by Higher Education Institutions, SCR sistemlerinde katalist türlerinin parametrik olarak araştırılması, 2019 - 2020

AYDIN K., YILDIZHAN Ş., ÖZARSLAN H., Büyük N., KEİYİNCİ S., AKTAŞ A. E., Ün Ç., Project Supported by Higher Education Institutions, Karada ve Havada Gidebilen Elektrikli Araç Prototipi Geliştirilmesi, 2017 - 2018

## **Metrics**

Publication: 22

Citation (WoS): 19

Citation (Scopus): 25

H-Index (WoS): 2

H-Index (Scopus): 2