

## Res. Asst. İHSAN ULUOCAK

### Personal Information

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### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2014 - Continues

Post Graduate, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2012 - 2014

Under Graduate, Gaziantep University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2005 - 2011

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

IT, Excite Designer, AVL, 2013

### Dissertations

Post Graduate, MAGNETIC RETARDER WITH EXTENDED CONTROL SYSTEM, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, 2014

### Research Areas

Mechanical Engineering, Machine Theory and Dynamics, System Dynamics and Control, Modeling and Simulation of Dynamic Systems, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Cukurova University, Ceyhan Mühendislik Fakültesi, Makine Mühendisliği, 2011 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Artificial intelligence techniques for the vibration, noise, and emission characteristics of a hydrogen-enriched diesel engine**  
Yildirim S., TOSUN E., Calik A., ULUOCAK İ., AVŞAR E.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.41, pp.2194-2206, 2019  
(Journal Indexed in SCI)
- II. **Artificial intelligence techniques for the vibration, noise, and emission characteristics of a hydrogen-**

### **enriched diesel engine**

YILDIRIM S., TOSUN E., ÇALIK A., ULUOCAK İ., AVŞAR E.

ENERGY SOURCES, PART A: RECOVERY, UTILIZATION, ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.41, pp.2194-2206, 2019 (Journal Indexed in SCI Expanded)

## **Articles Published in Other Journals**

- I. **Tarım Makinaları ve Traktörlerde Arızalanma Verilerinin İşletmecilik Kararlarında Kullanılma Esasları**  
SAY S. M. , ŞEHRİ M., ERDOĞAN Y., ULUOCAK İ.  
Akademia Mühendislik ve Fen Bilimleri Dergisi/Academia Journal of Engineering and Applied Sciences, vol.1, pp.246-255, 2017 (Refereed Journals of Other Institutions)
- II. **Effect of Rotor Material on Eddy Current Brakes**  
ULUOCAK İ.  
EUROPEAN MECHANICAL SCIENCE, vol.5, pp.246-255, 2017 (Refereed Journals of Other Institutions)
- III. **Dynamic simulation of automobile crankshaft**  
ULUOCAK İ.  
Advances in Automobile Engineering, vol.5, pp.1, 2016 (Refereed Journals of Other Institutions)

## **Books & Book Chapters**

- I. **Nesne Özellikleri, Seçim ve Düzenleme**  
SAY S. M. , ŞEHRİ M., İNCE A., ULUOCAK İ., ÇEVİK M. Y.  
in: Bilgisayar destekli tasarımın temelleri ve uygulamalar, , Editor, karahan kitabevi, 2017

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Design and Setup of A Eddy Current Dynamometer**  
ULUOCAK İ., YAVUZ H., TOSUN E.  
International Academic Conference on Engineering, Transport, IT and Artificial Intelligence (IAC-ETITAI) 2019, Budapeşte, Hungary, 23 - 24 August 2019, pp.179-186
- II. **Effects of Membership Function Type and Number of Membership Functions on ANFIS Predictions of Diesel Engine Vibration**  
TOSUN E., AYDIN K., ULUOCAK İ.  
International Academic Conference on Engineering, Transport, IT and Artificial Intelligence (IAC-ETITAI) 2019, Budapeşte, Hungary, 23 - 24 August 2019, pp.187-193
- III. **Tarım Makinaları ve Traktörlerde Arızalanma Verilerinin İşletmecilik Kararlarında Kullanılma Esasları**  
SAY S. M. , ŞEHRİ M., ERDOĞAN Y., ULUOCAK İ.  
3rd ASM International Congress Of Agriculture And Environment, Antalya, Turkey, 16 - 18 November 2017, vol.2, pp.73
- IV. **Genişletilmiş Kontrol Aralıklı Manyetik Retarder**  
ULUOCAK İ., CONKER Ç., YAVUZ H., AYDIN K.  
OTEKON, Bursa, Turkey, 26 - 27 May 2014, pp.217-218
- V. **Control application and performance analysis of wave energy converters**  
YAVUZ H., SERİN H., Conker C., AYDIN K., ULUOCAK İ.  
European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24

## **Supported Projects**

YAVUZ H., ULUOCAK İ., Project Supported by Higher Education Institutions, Ağır Araçlarda Kullanılan Manyetik Retarderlarda Kontrol Sisteminin Geliştirilmesi ve Etkisinin Deneysel Olarak İncelenmesi, 2013 - 2015

## **Scientific Refereeing**

International Journal of Hydrogen Energy, SCI Journal, December 2017

European Mechanical Science , Other Indexed Journal, November 2017

European Mechanical Science , Other Indexed Journal, October 2017

## **Invited Congress and Symposium Activities**

International Academic Conference on Engineering, Transport, IT and Artificial Intelligence (IAC-ETITAI), Attendee, Budapest, Hungary, 2019

2nd International Mediterranean Science and Engineering Congress, Attendee, Adana, Turkey, 2017

International Conference and Exhibition on Automotive Engineering, Attendee, Valencia, Spain, 2015

European Biotechnology Congress, Attendee, Bratislava, Slovakia, 2013

## **Citations**

Total Citations (WOS):10

h-index (WOS):1