

# Prof. ZAFER DÜLGER

## Personal Information

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## International Researcher IDs

ScholarID: NfMWRsAAAAAJ

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Publons / Web Of Science ResearcherID: F-4818-2018

ScopusID: 6507035430

Yoksis Researcher ID: 11042

## Education Information

Doctorate, University of Miami, Graduate School, United States Of America 1988 - 1991

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Makine Mühendisliği (YI) (Tezli), Turkey 1985 - 1988

Undergraduate, Istanbul Technical University, Makine Fakültesi, Makine Mühendisliği Bölümü, Turkey 1981 - 1985

## Foreign Languages

English, C1 Advanced

## Research Areas

Engineering and Technology

## Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2002 - Continues

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

- I. **Experimental comparison of control methods for armoured personnel carriers with semi-active magneto-rheological suspension**  
Saltik S., Yildiz A. S., Sivrioglu S., Dülger Z.  
INTERNATIONAL JOURNAL OF HEAVY VEHICLE SYSTEMS, vol.26, pp.628-647, 2019 (SCI-Expanded)
- II. **Internal combustion engines fueled by natural gas - hydrogen mixtures**  
Akansu S., Dulger Z., Kahraman N., Veziroglu T.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.29, no.14, pp.1527-1539, 2004 (SCI-Expanded)
- III. **Fuel economy improvement by on board electrolytic hydrogen production**  
Dulger Z., Ozcelik K.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.25, no.9, pp.895-897, 2000 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Two Dimensional and Stereo PIV Comparison for Port Applications**  
Yelken B., Savci I. H., Dulger Z.  
Kocaeli Journal of Science and Engineering, vol.5, no.1, pp.22-30, 2022 (Peer-Reviewed Journal)
- II. **Dizel İçten Yanmalı Motorlarda Silindir İçindeki Hava Hareketlerinin İncelenmesi ve Ölçüm Metodlarının Karşılaştırılması**  
YELKEN B., SAVCI İ. H., DÜLGER Z.  
Mühendis ve Makina, vol.62, no.703, pp.221-244, 2021 (Peer-Reviewed Journal)
- III. **KOCAELİ MESLEK YÜKSEKOKULU METROLOJİ PROGRAMLARI**  
DÜLGER Z.  
Mesleki Bilimler Dergis, vol.6, no.3, pp.577-587, 2017 (Peer-Reviewed Journal)
- IV. **Computation of flame front surface areas for combustion modeling of spark ignited internal combustion engines**  
DÜLGER Z.  
Modelling, Measurement and Control C, vol.47, pp.9-20, 1995 (Scopus)
- V. **Robotic Arc Welding With Adaptive Control**  
Dülger Z., Kaluç E.  
Çukurova Üniversitesi, J. FAC. ENG. ARCH, no.2, pp.105-113, 1992 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **GEMİ ANA DİZELLERİNDE YAĞ ANALİZİ İLE KESTİRİMCİ BAKIMIN ARAŞTIRILMASI**  
Yalman S. C., DÜLGER Z.  
International Marmara Sciences Congress (Imascon Autumn 2022), Kocaeli, Turkey, 9 - 10 December 2022, pp.243-250
- II. **Kocaeli Vocational School Measurement and Calibration Program**  
DÜLGER Z.  
ICOLES 2018 INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Girne, Cyprus (Kkct), 2 - 06 September 2018, pp.68-75
- III. **PLANNING OF VOCATIONAL TECHNICAL TRAINING PROGRAMS IN ACCORDANCE WITH THE NEEDS OF TURKISH INDUSTRY AND EXAMPLE OF TECHNICAL PROGRAMS AT KOCAELI VOCATIONAL SCHOOL**  
DÜLGER Z.  
ICOLES-2018 INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Girne, Cyprus (Kkct), 2 - 06 September 2018, pp.60-67
- IV. **MAGNETO-RHEOLOGICAL SUSPENSION APPLICATIONS AND EXPERIMENTAL UTILIZATION IN HEAVY VEHICLES**  
DÜLGER Z., SALTIK S.  
International Conference on Science, Technology, Engineering and Management (ICSTEM), 26 - 27 December 2017
- V. **Metrology Programs at Kocaeli Vocational School**  
DÜLGER Z.  
INTERNATIONAL VOCATIONAL SCIENCE SYMPOSIUM, Antalya, Turkey, 18 - 20 October 2017, pp.160-161
- VI. **PREDICTIVE MAINTENANCE METHODS AND APPLICATIONS IN AUTOMOTIVE INDUSTRY**  
DÜLGER Z., ACAR G.  
3rd International Conference on Business and Economics Studies, HOUSTON, United States Of America, 23 January - 25 March 2017, pp.115-124
- VII. **Dropout Rates of Students Enrolled in Formal Education and Distance Education Programs at Kocaeli Vocational School**  
DÜLGER Z.  
2015 International Education Conference, LAS VEGAS, United States Of America, 11 - 15 October 2015

**VIII. PERFORMANCE AND EMISSIONS OF A MICRO-TURBINE FUELED WITH JP8-CANOLA BIODIESEL MIXTURES**

DÜLGER Z., ASLAN S., ARICI M., CATORI C., KARABAY H., POLAT N., AKSIT I. M., SARAÇ H. İ., GOKALP B.

ASME Turbo Expo: Turbine Technical Conference and Exposition, Düsseldorf, Germany, 16 - 20 June 2014

**IX. CO2 and Fuel Consumption Reduction Potential of a Photovoltaic Battery Recharging System**

DÜLGER Z., ÖZDEMİR E., İLTER L.

2nd International Conference on Environmental Science and Technology (ICEST 2011), Singapore, Singapore, 26 - 28 February 2011, vol.6, pp.407-410

**X. Utilization of sunflower methyl ester as a diesel engine fuel**

DÜLGER Z., KAPLAN C.

International Fall Fuels and Lubricants Meeting and Exposition, San Antonio, TX, United States Of America, 24 - 27 September 2001

**XI. The effects of hydrogen addition on natural gas engine operation**

SWAN M., YUSUF M., DÜLGER Z., SWAN M.

Fall Fuels and Lubricants Meeting and Exposition, Pennsylvania, United States Of America, 18 - 21 October 1993

## Supported Projects

DÜLGER Z., Project Supported by Higher Education Institutions, III. NESİL (ADAPTİF) MR DAMPERLİ YARI AKTİF SÜSPANSİYON SİSTEMİNİN SİMÜLE EDİLMESİ, FARKLI KONTROL YÖNTEMLERİNİN ARAZİ ŞARTLARINDA TEST EDİLMESİ VE EN VERİMLİ YÖNTEMİN BELİRLENMESİ, 2015 - 2016

DÜLGER Z., Project Supported by Higher Education Institutions, III. NESİL (ADAPTİF) MR DAMPERLİ YARI AKTİF SÜSPANSİYON SİSTEMİNİN SİMÜLE EDİLMESİ, FARKLI KONTROL YÖNTEMLERİNİN ARAZİ ŞARTLARINDA TEST EDİLMESİ VE EN VERİMLİ YÖNTEMİN BELİRLENMESİ, 2014 - 2014

DÜLGER Z., Project Supported by Higher Education Institutions, Kocaeli Üniversitesi Otomotiv Laboratuvarı Altyapı Projesi, 2011 - 2014

DÜLGER Z., Project Supported by Higher Education Institutions, Kocaeli Bölgesindeki Güneş ve Rüzgar Enerjisi Potansiyelinin Elektrikli Hibrid Araba Aküsü Şarj Edilmesi İçin Kullanımının Araştırılması, 2010 - 2011

## Metrics

Publication: 19

Citation (WoS): 320

Citation (Scopus): 523

H-Index (WoS): 3

H-Index (Scopus): 3

## Non Academic Experience

TÜBİTAK