

Res. Asst. PhD RAMAZAN ŞENER

Personal Information

Email: ramazan.sener@marmara.edu.tr

Other Email: ramazansener91@gmail.com

Web: <https://avesis.marmara.edu.tr/ramazan.sener>

International Researcher IDs

ScholarID: -vUtY3AAAAAJ

ORCID: 0000-0001-6108-8673

Biography

Ramazan Şener was born in Bolu, Turkey on March 5, 1991. He completed undergraduate education in Faculty of Engineering, Department of Mechanical Engineering at Selçuk University in 2013. He graduated from Sakarya University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Automotive Engineering in 2015 with his master thesis on "Design and analysis of a free-piston linear generator for electric vehicles using finite element method". Then, he started the Doctor of Philosophy degree at Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Mechanical Engineering (English) within the scope of CoHE faculty training program (YÖK ÖYP) on behalf of Batman University. He studied at the University of Catania, Italy for a PhD research topic on "ICE combustion process analysis inside: 1D numerical code development and implementation with 3D CFD model integration". He is also a research assistant at Marmara University, Department of Mechanical Engineering.

Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Mechanical Engineering (Eng), Turkey 2015 - 2020

Postgraduate, Sakarya University, Institute Of Science, Otomotiv Mühendisliği (YI) (Tezli), Turkey 2013 - 2015

Undergraduate, Selcuk University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2009 - 2013

Undergraduate, Anadolu University, Faculty Of Business Administration, Department Of Business, Turkey 2009 - 2013

Foreign Languages

Italian, B1 Intermediate

English, C2 Mastery

Dissertations

Doctorate, Development of a single cylinder high performance and low emission compression ignition engine with advanced experimental and numerical simulation methods, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Mechanical Engineering (Eng), 2020

Postgraduate, Elektrikli taşıtlar için lineer jeneratör tasarımı ve sonlu elemanlar yöntemi ile analizi, Sakarya Üniversitesi, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği (YI) (Tezli), 2015

Research Areas

Energy, Thermodynamics

Academic Titles / Tasks

Research Assistant PhD, Batman University, Faculty Of Technology, Department Of Automotive Engineering, 2014 - Continues

Research Assistant PhD, Marmara University, Faculty of Engineering, Mechanical Engineering, 2016 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of injection strategy and combustion chamber modification on a single-cylinder diesel engine**
ŞENER R., YANGAZ M. U., GÜL M. Z.
FUEL, vol.266, 2020 (SCI-Expanded)
- II. **Combustion performance of hydrogen-enriched fuels in a premixed burner**
YANGAZ M. U., ÖZDEMİR M. R., ŞENER R.
ENVIRONMENTAL TECHNOLOGY, vol.41, no.1, pp.2-13, 2019 (SCI-Expanded)
- III. **Influence of piston bowl geometry on combustion and emission characteristics**
ŞENER R., ÖZDEMİR M. R., YANGAZ M. U.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY, vol.233, no.5, pp.576-587, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **EFFECT OF THE GEOMETRICAL PARAMETERS IN A DOMESTIC BURNER WITH CRESCENT FLAME CHANNELS FOR AN OPTIMAL TEMPERATURE DISTRIBUTION AND THERMAL EFFICIENCY**
ŞENER R., ÖZDEMİR M. R., YANGAZ M. U.
JOURNAL OF THERMAL ENGINEERING, vol.5, pp.171-183, 2019 (ESCI)
- II. **Internal combustion engine heat release calculation using single-zone and CFD 3D numerical models**
Mauro S., ŞENER R., GÜL M. Z., Lanzafame R., Messina M., Brusca S.
INTERNATIONAL JOURNAL OF ENERGY AND ENVIRONMENTAL ENGINEERING, vol.9, no.2, pp.215-226, 2018 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **The combustion characteristics and performance evaluation of hydrogen addition to various fuels in a premixed burner**
ŞENER R., ÖZDEMİR M. R., YANGAZ M. U.
VI. European Conference on Renewable Energy Systems, İstanbul, Turkey, 25 - 27 June 2018
- II. **PERFORMANCE AND EFFICIENCY COMPARISON OF SEVERAL DIFFERENT INTAKE DESIGNS FOR A FORMULA SAE RACE CAR**
YANGAZ M. U., ÖZDEMİR M. R., ŞENER R.
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017 -ICAME2017, İstanbul, Turkey, 19 - 21 December 2017
- III. **OPTIMIZATION OF COOLING PERFORMANCE OF A MICRO HEAT EXCHANGER USING ARTIFICIAL NEURAL NETWORK**
YANGAZ M. U., ŞENER R., ÖĞÜT S.

3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017– ICAME2017, İstanbul, Turkey, 19 - 21 December 2017

IV. APPLICATION OF PCM IN THERMAL ENGINEERING: A REVIEW

ÖZDEMİR M. R., YANGAZ M. U., ŞENER R.

3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017-ICAME2017, İstanbul, Turkey, 19 - 21 December 2017

V. EFFECTS OF THE DISTANCE AND DIAMETER OF THE COOKER FROM DOMESTIC BURNER WITH CRESCENT FLAME CHANNELS ON OPTIMAL TEMPERATURE DISTRIBUTION AND THERMAL EFFICIENCY

ŞENER R., ÖZDEMİR M. R., YANGAZ M. U.

3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017 – ICAME2017, İstanbul, Turkey, 19 - 21 December 2017

VI. HEAT TRANSFER CHARACTERISTICS OF NANOFLUIDS IN MICRO-SCALE: A REVIEW

ÖZDEMİR M. R., YANGAZ M. U., ŞENER R.

3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017 –ICAME2017, İstanbul, Turkey, 19 - 21 December 2017

VII. Reference Energy System for Land Transportation in Turkey

ŞENER R., SULUKAN E.

1st International Conference on Engineering Technology and Applied Sciences, Afyon, Turkey, 21 - 22 April 2016, vol.1, pp.1473-1479

VIII. Elektrikli Taşıtlarda Kullanılabilecek Menzil Artırıcı Sistemlerin Karşılaştırılması

ŞENER R., KAPSIZ M., coşman s.

3RD INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, Valencia, Spain, 3 - 05 June 2015

Supported Projects

Gül M. Z., Ekici B., Taçgın E., Yılmaz M., Köten H., Yılmaz İ. T., TUBITAK Project, TLM16V185 Tipi Ağır Dizel Motorunun Modernizasyonu, 2018 - 2022

Gül M. Z., Şener R., Project Supported by Higher Education Institutions, Development of a Single Cylinder High Performance and Low Emission Compression Ignition Engine with Advanced Experimental and Numerical Simulation Methods, 2017 - 2020

Şener R., TUBITAK Project, Elektro Eğirme Yöntemi İle Üretilen PVA PVP TiO₂ Nanofiberlerin Karakterizasyonu, 2012 - 2013

Patent

ŞENER R., Aşırı doldurmalı yakıt enjeksiyonlu karşıt serbest pistonlu lineer jeneratör, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, Standard Registration, 2017

Scientific Refereeing

data In Brief, Journal Indexed in ESCI, June 2020

FUEL, SCI Journal, March 2020

JTEN, Journal Indexed in ESCI, February 2020

Metrics

Publication: 16
Citation (WoS): 41
Citation (Scopus): 49
H-Index (WoS): 5
H-Index (Scopus): 5

Awards

Yangaz M. U., Şener R., Özdemir M. R., Best Paper Award, VI. European Conference On Renewable Energy Systems, June 2018