

Lect. ESENAY ARSLAN

Personal Information

Office Phone: [+90 352 504 3838](tel:+903525043838) Extension: 42015

Fax Phone: [+90 352 504 3837](tel:+903525043837)

Email: esenayarslan@kayseri.edu.tr

Web: <https://avesis.kayseri.edu.tr/esenayarslan>

Address: Kayseri Üniversitesi Mustafa Çıkrıkçıođlu Meslek Yüksekokulu

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliđi, Turkey 2017 - Continues

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliđi, Turkey 2013 - 2016

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliđi, Turkey 2008 - 2013

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Training, Hesaplamalı Akışkanlar Dinamiđi Eğitim Semineri, ARI TEAM Mühendislik Danışmanlık ve Eğitim Hizmetleri Ltd. Şti, 2020

Dissertations

Postgraduate, İKİ ZAMANLI MOTORDA DEĞİŞKEN SUPAP ZAMANLAMASININ MOTOR PERFORMANSINA ETKİSİNİN SAYISAL İNCELENMESİ, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliđi, 2016

Research Areas

Mechanical Engineering, Energy, Alternative Energy Resources, Fuels and Combustion, Internal Combustion Engines, Computational fluid dynamics, Engineering and Technology

Academic Titles / Tasks

Lecturer, Kayseri University, Mustafa Çıkrıkçıođlu Meslek Yüksekokulu, Elektrik Ve Enerji Bölümü, 2018 - Continues

Lecturer, Erciyes University, Mustafa Çıkrıkçıođlu M.Y.O., Elektrik Ve Enerji Bölümü, 2017 - 2018

Academic and Administrative Experience

İntibak Komisyonu Üyesi, Kayseri University, Mustafa Çıkrıkçıođlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2021 -

Continues

Eđitim Öğretim Planlama Komisyonu Üyesi, Kayseri University, Mustafa Çıkırıkçiođlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2021 - Continues

Ders Bilgi Paketi Komisyonu Üyesi, Kayseri University, Mustafa Çıkırıkçiođlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2021 - Continues

Mevzuat Uygunluk Deđerlendirme Komisyonu Üyesi, Kayseri University, Mustafa Çıkırıkçiođlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2021 - Continues

Kayseri Üniversitesi Sıfır Atık Komisyon Üyesi, Kayseri University, Mustafa Çıkırıkçiođlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2020 - Continues

Birim Katalog Sorumlusu, Kayseri University, Mustafa Çıkırıkçiođlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2020 - Continues

Birim Stratejik Plan Komisyonu Üyesi, Kayseri University, Mustafa Çıkırıkçiođlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2019 - Continues

Birim Sıfır Atık Komisyon Üyesi, Kayseri University, Mustafa Çıkırıkçiođlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2019 - Continues

Öđrenci Staj Deđerlendirme Komisyon Üyesi, Kayseri University, Mustafa Çıkırıkçiođlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2018 - Continues

Deputy Director of Continuing Education Center, Kayseri University, Rektörlük, Rektörlük, 2019 - 2021

Courses

BİLGİSAYAR DESTEKLİ TASARIM, Associate Degree, 2021 - 2022

TEKNİK RESİM, Associate Degree, 2018 - 2019, 2019 - 2020

ISI POMPASI VE JEOTERMAL ENERJİ, Associate Degree, 2017 - 2018

GÜNEŞ ENERJİSİ, Associate Degree, 2016 - 2017

BİLGİSAYAR DESTEKLİ PROJE ÇİZİMİ-I, Associate Degree, 2017 - 2018

GÜNEŞ ENERJİLİ KONUT ISITMA SİSTEMLERİ, Associate Degree, 2017 - 2018

BİYOKÜTLE ENERJİSİ VE TEKNOLOJİSİ, Associate Degree, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A study on the effects of nanoparticle addition to a diesel engine operating in dual fuel mode**
Arslan E., Atelge M. R., Kahraman N., Ünal S.
FUEL, vol.326, pp.321-341, 2022 (Journal Indexed in SCI Expanded)
- II. **Comparative investigation of multi-walled carbon nanotube modified diesel fuel and biogas in dual fuel mode on combustion, performance, and emission characteristics**
Atelge M., ARSLAN E., Kisa D., Al-Samarae R., Abut S., ÜNALAN S., MOHAMED ATABANI A., KAHRAMAN N., AKANSU S. O., Kaya M., et al.
Fuel, vol.313, 2022 (Journal Indexed in SCI)
- III. **Comparison of natural gas and propane addition to combustion air in terms of engine performance in compression ignition engine**
Arslan E., Kahraman N.
Fuel, vol.312, 2022 (Journal Indexed in SCI)
- IV. **The effects of hydrogen enriched natural gas under different engine loads in a diesel engine**
Arslan E., Kahraman N.
International Journal of Hydrogen Energy, vol.47, pp.12410-12420, 2022 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental Investigation of the Effects of Adding H₂/CH₄ Mixture to the Engine Fueled with CNT Additive Diesel Fuel**
Arslan E., Atelge M. R., Kahraman N., Ünalın S.
The 5th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2021): Future and Challenges, Kayseri, Turkey, 16 - 18 October 2021, pp.536
- II. **Effect of Modified Fuel with Nanoparticle and Alcohols Blend on Combustion Behavior**
Atelge M. R., Arslan E., Ünalın S., Mohamed Atabani A., Kahraman N., Akansu S. O.
The 5th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2021): Future and Challenges, Kayseri, Turkey, 16 - 18 October 2021, pp.552-553
- III. **Investigation on Combustion Characteristics of a Diesel Engine Fueled with Diesel, Biogas, and MCNT**
Atelge M. R., Arslan E., Abut S., Akansu S. O., Mohamed Atabani A., Kahraman N., Ünalın S.
8th International Conference on Renewable Fuels, Combustion and Fire (FCE'21), Ankara, Turkey, 5 - 07 March 2021, vol.1, pp.114-119
- IV. **EFFECT OF ADDING CARBON NANOTUBE ON THE COMBUSTION OF DIESEL AND DIESEL-NATURAL GAS MIXTURE**
Arslan E., Atelge M. R., Kahraman N., Ünalın S., Albayrak Çeper B.
8th International Conference on Renewable Fuels, Combustion and Fire (FCE'21), Ankara, Turkey, 5 - 07 March 2021, vol.1, pp.298-303
- V. **EFFECT OF START OF INJECTION ON PERFORMANCE IN COMPRESSION IGNITION ENGINE BY USING AVL FIRE**
Arslan E., Albayrak Çeper B., Kahraman N., Akansu S. O.
8th International Conference on Renewable Fuels, Combustion and Fire (FCE'21), Ankara, Turkey, 5 - 07 March 2021, vol.1, pp.275-280
- VI. **Prediction Of Fuel Saving And Reduction In CO₂ Emissions In The Case Of Using Cylinder Deactivation System In Automobiles In Turkey**
Arslan E., Kahraman N., Albayrak Çeper B.
International Conference on Energy, Environment and Storage of Energy, Kayseri, Turkey, 19 - 21 November 2020, vol.1, pp.124-129
- VII. **Numerical Study Of Laminar Premixed Combustion Of A Methane**
Albayrak Çeper B., Kahraman N., Arslan E.
International Conference on Energy, Environment and Storage of Energy, Kayseri, Turkey, 19 - 21 November 2020, vol.1, pp.221-226
- VIII. **Investigation Of Natural Gas-Diesel Fuel Mixture In Terms Of Engine Performance In Compression Ignition Engine**
Arslan E., Akbıyık T., Kahraman N.
15th INTERNATIONAL COMBUSTION SYMPOSIUM, Kayseri, Turkey, 17 - 19 September 2020, vol.1, pp.349-355
- IX. **Experimental Investigation Of The Effect Of Propane Addition On Diesel Engine Performance**
Arslan E., Fil H. E., Kahraman N.
15th INTERNATIONAL COMBUSTION SYMPOSIUM, Kayseri, Turkey, 17 - 19 September 2020, vol.1, pp.459-464
- X. **Numerical Modeling of Temporary De-Activation of A Cylinder On Four Cylinder Engine**
Arslan E., Atay H., Kahraman N., Akansu S. O.
22. ISI BİLİMİ VE TEKNİĞİ KONGRESİ, Kocaeli, Turkey, 11 - 14 September 2019, vol.1, pp.843-852
- XI. **Investigation Of The Effects Of Ethanol-Diesel Mixture On Performance And Emissions Of An SI Engine**
İlhak M. İ., Arslan E., Kahraman N., Albayrak Çeper B.
22. ISI BİLİMİ VE TEKNİĞİ KONGRESİ, Kocaeli, Turkey, 11 - 14 September 2019, vol.2, pp.106-111
- XII. **Injector Deactivation System in IC Vehicle Engines**
Kahraman N., Albayrak Çeper B., Arslan E., Akansu S. O.
12th International Conference on Sustainable Energy & Environmental Protection, Sharjah, United Arab Emirates, 18 - 21 November 2019, vol.1, pp.224-230
- XIII. **Investigation of Combustion Characteristics of Two-Stroke Engine In Variable Inlet Pressures**

- ARSLAN E., ALBAYRAK ÇEPER B., KAHRAMAN N., AKANSU S. O.
UMTEB III. International Congress of Technical and Technical Sciences, Gaziantep, Turkey, 21 June 2018, pp.320
- XIV. **Numerical Modeling of an LPG-Fuelled Internal Combustion Engine**
ARSLAN E., ALBAYRAK ÇEPER B., KAHRAMAN N., AKANSU S. O.
UMTEB III. International Congress of Technical and Technical Sciences, Gaziantep, Turkey, 21 June 2018, pp.321
- XV. **Investigation of Combustion Characteristics In Two-Stroke Engine Fueled By Methane**
Arslan E., Albayrak Çeper B., Kahraman N., Akansu S. O.
14th International Combustion Symposium , Karabük, Turkey, 25 - 27 April 2018, vol.1, pp.308-322
- XVI. **Numerical Analysis of Turbulence Boundary Layer Development Around Mass Bodies**
ÖZKILIÇ S., KAHRAMAN N., ARSLAN E.
21. Ulusal Isı Bilimi ve Tekniği Kongresi, Çorum, Turkey, 13 September 2017, pp.1052-1063
- XVII. **Numerical Investigation on Oxy Enriched Air Combustion with Methane Fuel in Combustion Chamber of a Boiler**
Arslan E., Akansu S. O. , Kahraman N., Yıldız M.
6 th International Conference on Renewable Fuels Combustion and Fire, Nevşehir, Turkey, 18 May 2017, vol.1, no.1, pp.255-264
- XVIII. **Investigation Of Cold Flow Characteristics In Two-Stroke Engine Fueled By Methane**
AKANSU S. O. , ARSLAN E., KAHRAMAN N., YILMAZ E.
8th International Conference on Sustainable Energy&Environmental Protection, Glasgow, United Kingdom, 11 August 2015, pp.219-225

Supported Projects

Kahraman N., Arslan E., Project Supported by Higher Education Institutions, İçten Yanmalı Bir Motorda Sentetik Gaz ve Karışımlarının Motor Performans ve Emisyonlarına Etkisinin İncelenmesi, 2020 - 2021

Akansu S. O. , Arslan E., Project Supported by Higher Education Institutions, İki Zamanlı Motorda Değişken Supap Zamanlamasının Motor Performansına Etkisinin Sayısal İncelenmesi, 2015 - 2017

Tasks In Event Organizations

Arslan E., The 5th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2021): Future and Challenges, Scientific Congress, Kayseri, Turkey, Ekim 2021

Akansu S. O. , Ünal S., Genç G., Ateş N., Oktay T., Arslan E., International Conference on Energy and Environment and Storage of Energy ICEESEN 2020, Scientific Congress, Kayseri, Turkey, Kasım 2020

Kahraman N., Akansu S. O. , Yılmaz İ., Albayrak Çeper B., Arslan E., 15th International Combustion Symposium (INCOS2020), Scientific Congress, Kayseri, Turkey, Eylül 2020

Edit Congress and Symposium Activities

The 5th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2021): Future and Challenges, Attendee, Kayseri, Turkey, 2021

8th International Conference on Renewable Fuels, Combustion and Fire (FCE'21), Attendee, Ankara, Turkey, 2021

International Conference on Energy, Environment and Storage of Energy, ICEESEN 2020, Attendee, Kayseri, Turkey, 2020

15th International Combustion Symposium (INCOS2020), Attendee, Kayseri, Turkey, 2020

22. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'19), Attendee, Kocaeli, Turkey, 2019

III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Attendee, Gaziantep, Turkey, 2018

21. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'17), Attendee, Çorum, Turkey, 2017

6th International Conference on Renewable Fuels Combustion and Fire, Attendee, Nevşehir, Turkey, 2017

9th International Conference on Sustainable Energy&Environmental Protection, Attendee, Kayseri, Turkey, 2016

8th International Conference on Sustainable Energy&Environmental Protection, Attendee, Edinburgh, United Kingdom, 2015