

Asst. Prof. SELİM TANGÖZ

Personal Information

Office Phone: [+90 352 437 4937](tel:+903524374937) Extension: 41106

Email: stangoz@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/stangoz/>

International Researcher IDs

ORCID: 0000-0002-8284-1326

Yoksis Researcher ID: 131503

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 2009 - 2015

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Sivil Havacılık Abd, Turkey 2007 - 2009

Undergraduate, Erciyes University, Sivil Havacılık Yo, Uçak Gövde Motor, Turkey 2002 - 2007

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, FARKLI SIKIŞTIRMA ORANLARINDAKİ BUJİ ATEŞLEMELİ BİR MOTORDA DOĞALGAZ VE DOĞALGAZ - HİDROJEN KARIŞIMLARININ YAKIT OLARAK KULLANILMASININ ARAŞTIRILMASI, Erciyes Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 2015

Postgraduate, Gaz Türbinli Motorlarda Kullanılan Model Bir Yakıcıda Doğal Gaz Yanmasının Sayısal Analizi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Sivil Havacılık Abd, 2009

Research Areas

Mechanical Engineering, Fuels and Combustion, Internal Combustion Engines, Aerospace Propulsion, Aerodynamics

Academic Titles / Tasks

Assistant Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde Motor, 2018 - Continues

Assistant Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde Motor, 2015 - 2018

Lecturer, Erciyes University, Uçak Gövde Motor Bölümü, 2010 - 2015

Research Assistant, Erciyes University, Sivil Havacılık Yo, Uçak Gövde Motor Bölümü, 2007 - 2010

Academic and Administrative Experience

Erciyes University, 2022 - 2025

Courses

GAZ TÜRBLİ MOTORLAR-II, Undergraduate, 2016 - 2017
AERODİNAMİK, Undergraduate, 2016 - 2017
PİSTONLU MOTORLAR-II, Undergraduate, 2015 - 2016
MOTOR GÖSTERGE SİSTEMLERİ, Undergraduate, 2014 - 2015
PİSTONLU MOTORLAR-I, Undergraduate, 2014 - 2015
AERODİNAMİK, Undergraduate, 2013 - 2014
UÇAK GÜÇ SİSTEM UYG, Undergraduate, 2011 - 2012, 2010 - 2011
PERVANELER, Undergraduate, 2011 - 2012
AKIŞKANLAR MEKANİĞİ, Undergraduate, 2011 - 2012

Advising Theses

Tangöz S., Küçük ölçekli gaz türbinli motorlarda yerleşim (Stagger) açısının türbin performansı üzerine etkisi, Postgraduate, Y.SERGEN(Student), 2023
Tangöz S., Askeri havacılıktaki bakım gereklilikleri ve ülkemizdeki durum, Postgraduate, E.URSAVAŞ(Student), 2021
Tangöz S., Numerical Investigation Of The Effect Of Annulus Flow On Performance Of Annular Combustion Chamber Used In Gas Turbine Engines, Postgraduate, O.KÜMÜK(Student), 2019
TANGÖZ S., Farklı Profillerden Meydana Gelen Bir Kanat Modelinde Açıklık Oranının Aerodinamik Performansa ve Akış Ayrılmalarına Olan Etkisinin İncelenmesi, Postgraduate, A.AŞKAN(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An investigation of aerodynamic behaviours and aerodynamic performance of a model wing formed from different profiles**
Aşkan A., Tangöz S., Konar M.
AERONAUTICAL JOURNAL, vol.127, no.1310, pp.676-697, 2023 (SCI-Expanded)
- II. **An experimental investigation of the use of gasoline-acetylene mixtures at different excess air ratios in an SI engine**
İlhak M. İ., TANGÖZ S., AKANSU S. O., KAHRAMAN N.
Energy, vol.175, pp.434-444, 2019 (SCI-Expanded)
- III. **Numerical analysis of a gas turbine combustor fueled by hydrogen in comparison with jet-A fuel**
KAHRAMAN N., Tangoz S., AKANSU S. O.
FUEL, vol.217, pp.66-77, 2018 (SCI-Expanded)
- IV. **EXPERIMENTAL INVESTIGATION OF PERFORMANCE AND EMISSIONS OF AN SI ENGINE FUELED BY ACETYLENE-METHANE AND ACETYLENE-HYDROGEN BLENDS**
Tangöz S., İlhak M. İ., Akansu S. O., Kahraman N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, pp.4174-4185, 2018 (SCI-Expanded)
- V. **Effect of different turbulence models on combustion and emission characteristics of hydrogen/air flames**
YILMAZ H., Cam O., TANGÖZ S., YILMAZ İ.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.40, pp.25744-25755, 2017 (SCI-Expanded)
- VI. **A numerical study on combustion and emission characteristics of premixed hydrogen air flames**
Cam O., YILMAZ H., TANGÖZ S., YILMAZ İ.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.40, pp.25801-25811, 2017 (SCI-Expanded)
- VII. **The effect of hydrogen on the performance and emissions of an SI engine having a high compression ratio fuelled by compressed natural gas**
Tangöz S., Kahraman N., Akansu S. O.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, pp.25766-25780, 2017 (SCI-Expanded)

VIII. **Experimental study of gasoline-ethanol-hydrogen blends combustion in an SI engine**

AKANSU S. O., TANGÖZ S., KAHRAMAN N., İlhak M. I., ACIKGOZ S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.40, pp.25781-25790, 2017 (SCI-Expanded)

IX. **Effects of compression ratio on performance and emissions of a modified diesel engine fueled by HCNG**

Tangoz S., Akansu S. O., Kahraman N., Malkoç Y.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, pp.15374-15380, 2015 (SCI-Expanded)

Articles Published in Other Journals

I. **The impact of aspect ratio on aerodynamic performance and flow separation behavior of a model wing composed from different profiles**

Aşkan A., Tangöz S.

Journal of Energy Systems, vol.2, no.4, pp.224-237, 2018 (Scopus)

Books & Book Chapters

I. **Alternative Fuels for Internal Combustion Engines**

İLHAK M. İ., TANGÖZ S., AKANSU S. O., KAHRAMAN N.

in: The Future of Internal Combustion Engines, Carlucci AP, Editor, Intechopen, London, pp.510-538, 2019

Refereed Congress / Symposium Publications in Proceedings

I. **UÇAK MOTORLARI ÜZERİNDE FAN BLADE AĞIRLIK DENGELENMESİ VE CF6 MOTORLARINDA UYGULANMASI**

AÇIKGÖZ O. İ., TANGÖZ S.

INTERNATIONAL HALICH CONGRESS ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH-VII, İstanbul, Turkey, 23 - 25 January 2024, pp.1102-1112

II. **Küçük ölçekli gaz türbinli motor türbin tasarımı ve analizi**

TAŞCI Y. S., TANGÖZ S.

4. International Cappadocia Scientific Research Congress, Nevşehir, Turkey, 16 April 2023

III. **INVESTIGATION OF THE EFFECTS OF TWIST ANGLE ON WING PERFORMANCE AND STALL CHARACTERISTICS IN LOW SPEED WINGS**

Kuzey E., Tangöz S.

12TH INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS ON LIFE, ENGINEERING, AND APPLIED SCIENCES, İstanbul, Turkey, 21 - 23 January 2023, pp.194-207

IV. **Avrupa Askeri Havacılığındaki Bakım Gereklilikleri ve Ülkemizdeki Durum**

Ursavaş E., Tangöz S.

IV. Uluslararası Akademik Araştırmalar Kongresi, Elazığ, Turkey, 7 - 09 December 2020, pp.294-303

V. **Effect of Annulus Flow on Combustion Performance in Annular Combustion Chamber**

Kümük O., Tangöz S.

VI. Uluslararası Fen, Mühendislik ve Mimarlık Bilimlerinde Akademik Çalışmalar Sempozyumu, Ankara, Turkey, 13 - 15 June 2019, pp.1-10

VI. **Studies on effect of annulus flow in gas turbine combustors**

KÜMÜK O., TANGÖZ S.

5th International Symposium on Multidisciplinary Studies (ISMS2018), Ankara, Turkey, 16 - 17 November 2018, pp.1-6

- VII. **The effect of aspect ratio on aerodynamic performance and flow separation behavior of a model wing composed from different profiles**
AŞKAN A., TANGÖZ S.
6th European Conference On Renewable Energy Systems, İstanbul, Turkey, 25 - 27 June 2018, pp.132-139
- VIII. **Experimental and numerical investigation of aerodynamic performance and flow separation of a model wing composed from different profiles**
AŞKAN A., TANGÖZ S., Turaç D., KONAR M.
6th European Conference On Renewable Energy Systems, İstanbul, Turkey, 25 - 27 June 2018, pp.125-131
- IX. **USE OF GASOLINE - ACETYLENE MIXTURES AT DIFFERENT EXCESS AIR RATIOS IN AN SI ENGINE**
İlhak M. İ., AKANSU S. O., TANGÖZ S., KAHRAMAN N.
11th International Conference on Sustainable Energy & Environmental Protection, Glasgow, United Kingdom, 8 - 11 May 2018, pp.345-352
- X. **Numerical Investigation on Combustion Behavior of Premixed Hydrogen/Air Flames in a Micro Combustor with Varying Geometric Properties: Part - II Effect of Multi-Channel Arrangement**
YILMAZ H., ÇAM Ö., TANGÖZ S., YILMAZ İ.
6th International Conference on Renewable Fuels, Combustion and Fire (FCE'17), Nevşehir, Turkey, 18 - 21 May 2017, pp.1-12
- XI. **An Experimental Study on Performance and Emissionsof an SI Engine Fueled by Acetylene-Hydrogen andAcetylene-Methane Blends**
TANGÖZ S., İlhak M. İ., AKANSU S. O.
6 th International Conference on Renewable Fuels Combustion and Fire, Nevşehir, Turkey, 18 - 21 May 2017, vol.1, no.1, pp.87-100
- XII. **An Experimental Study on The Performance And Emissions of An Si Engine Having a High Compression Ratio Fuelled by HCNG**
TANGÖZ S., KAHRAMAN N., AKANSU S. O.
9th International Conference on Sustainable Energy and Environmental Protection, Kayseri, Turkey, 22 - 25 September 2016, no.94, pp.385-399
- XIII. **Numerical Analysis of Ethanol-Hydrogen-Blends Combustion in an SI Engine**
AKANSU S. O., KAHRAMAN N., TANGÖZ S., Açıkgöz S.
9th International Conference on Sustainable Energy and Environmental Protection, Kayseri, Turkey, 22 - 25 September 2016, no.94, pp.1-9
- XIV. **THE EFFECT OF DIFFERENT TURBULENCE MODELS ON THE FLAME AND EMISSION CHARACTERISTICS OF HYDROGEN/AIR FLAMES**
YILMAZ H., ÇAM Ö., TANGÖZ S., YILMAZ İ.
9th International Conference on Sustainable Energy and Environmental Protection, Kayseri, Turkey, 22 - 25 September 2016, pp.1-8
- XV. **NUMERICAL INVESTIGATION OF NOX EMISSIONS IN A MICRO-CYLINDRICAL COMBUSTOR WITH PREMIXED HYDROGEN-AIR MIXTURE**
ÇAM Ö., TANGÖZ S., YILMAZ H., YILMAZ İ.
9th International Conference on Sustainable Energy and Environmental Protection, Kayseri, Turkey, 22 - 25 September 2016, no.143, pp.1-7
- XVI. **Performance, Emissions And Combustion Characteristics Of A Modified Diesel Engine Fuelled By Hcng**
KAHRAMAN N., AKANSU S. O., TANGÖZ S., ERDAMAR M.
7th International Conference on Sustainable Energy & Environmental Protection SEEP2014, Dubai, United Arab Emirates, 23 - 25 November 2014, pp.1-6
- XVII. **Effects Of Compression Ratio On Performance And Emissions Of A Modified Diesel Engine Fuelled By Hcng**
TANGÖZ S., AKANSU S. O., KAHRAMAN N., YUSUF M.
4th International Conference on Nuclear and Renewable Energy Resources, 26 - 28 October 2014
- XVIII. **AN EXPERIMENTAL INVESTIGATION OF USING HYDROGEN-NATURAL GAS BLENDS IN A MODIFIED**

DIESEL ENGINE

TANGÖZ S.

1st International Scientific Conference of Young scientists and specialists, Baku, Azerbaijan, 15 - 16 October 2014, pp.342-343

XIX. Experimental Study On Si Engine Fueled By H₂/Ch₄ (20/80), H₂ And Gasoline

AKANSU S. O., KAHRAMAN N., TANGÖZ S., ALBAYRAK ÇEPER B., BAYRAK M., YURTTAŞ İ.

12th International Combustion Symposium, Kocaeli, Turkey, 24 - 26 May 2012, pp.95-104

XX. Bir Gaz Türbin Yakıcıda Doğal Gaz Ve Kerosene Yanmasının Sayısal Analizi

TANGÖZ S., KAHRAMAN N., AKANSU S. O.

ULIBTK'9 17. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 24 - 27 June 2009

XXI. Bir Gaz Türbin Yakıcısında Doğal Gaz Ve Kerozin Yanmasının Sayısal İncelenmesi

TANGÖZ S., KAHRAMAN N., AKANSU S. O.

17. ULUSAL ISI BİLİMİ VE TEKNİĞİ KONGRESİ, Sivas, Turkey, 24 - 27 June 2009, pp.935-941

XXII. Alüminyumun Haddelenmesi

TANGÖZ S., ERTURUN V.

Kayseri VII. Havacılık Sempozyumu, Kayseri, Turkey, 1 - 04 May 2008, pp.123-128

Supported Projects

TANGÖZ S., AŞKAN A., KONAR M., TURAÇ D., Project Supported by Higher Education Institutions, Farklı Profillerden Meydana Gelen Bir Kanat Modelinde Aerodinamik Karakteristiklerin ve Akım Ayrılma Davranışlarının İncelenmesi, 2018 - 2020

YILMAZ İ., SOYTÜRK M. A., TANGÖZ S., İLBAŞ M., TUBITAK Project, Sentetik Gaz Yakıtların Yanma Kararsızlığı Ve Alev Geri Tepmesinin İncelenmesi, 2016 - 2018

AKANSU S. O., TANGÖZ S., ALBAYRAK ÇEPER B., YILDIZ M., FİL H. E., Project Supported by Higher Education Institutions, Oksijen ve Hidrojen 'in Motor performansı üzerine etkisinin incelenmesi, 2014 - 2016

KAHRAMAN N., TANGÖZ S., Project Supported by Higher Education Institutions, FARKLI SIKIŞTIRMA ORANLARINDAKİ BUJİ ATEŞLEMELİ BİR MOTORDA DOĞALGAZ VE DOĞALGAZ-HİDROJEN KARIŞIMLARININ YAKIT OLARAK KULLANILMASININ ARAŞTIRILMASI, 2011 - 2015

YILMAZ İ., TAŞTAN M., TARHAN C., TANGÖZ S., Project Supported by Higher Education Institutions, GAZ TÜRBİN MOTOR YANMA ODASININ PERFORMANS DEĞERLERİNİN BELİRLENMESİ ÇİN TEST SİSTEMİNİN OLUSTURULMASI, 2009 - 2012

Scientific Refereeing

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SSCI, July 2022

ENERGY CONVERSION AND MANAGEMENT, Journal Indexed in SSCI, June 2022

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SSCI, April 2022

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SSCI, March 2022

Journal of Aerospace Engineering, SCI Journal, February 2019

International Journal of Hydrogen Energy, SCI Journal, February 2019

Engineering Science and Technology, an International Journal, Other Indexed Journal, October 2018

Journal of Environmental Management, SCI Journal, May 2018

International Journal of Hydrogen Energy, SCI Journal, April 2018

The Open Fuels & Energy Science Journal, Other Indexed Journal, January 2018

Metrics

Publication: 34

Citation (WoS): 280

Citation (Scopus): 329

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H-Index (Scopus): 7