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Eğitim Bilgileri

I. ERCİYES ÜNİVERSİTESİ · Doktora · Yurt İçi · 2014–2019 · FEN BİLİMLERİ ENSTİTÜSÜ · MAKİNE MÜHENDİSLİĞİ (DR) · Biyodizel-bütanol-dizel karışımlarına hidrojen ve titanyum dioksit ilavesinin performans ve emisyon parametrelerine etkilerinin araştırılması (2014–2019)

II. ERCİYES ÜNİVERSİTESİ · Yüksek Lisans · Yurt İçi · 2011–2014 · FEN BİLİMLERİ ENSTİTÜSÜ · ENERJİ SİSTEMLERİ MÜHENDİSLİĞİ (YL) (TEZLİ) · Katı oksit yakıt hücreli güç üretim sisteminin enerji ve ekserji analizi (2011–2014)

III. ERCİYES ÜNİVERSİTESİ · Lisans · Yurt İçi · 2006–2011 · MÜHENDİSLİK FAKÜLTESİ · MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ (2006–2011)

Araştırma Alanları

Mühendislik Temel Alanı · Makine Mühendisliği · Enerji ; İçten Yanmalı Motorlar ; Yakıtlar ve Yanma

Yönetilen Tezler

I. Yapay zeka analiz destekli kapalı ortam hava kalitesinin sağlık üzerine etkilerinin araştırılması (2024)

II. Makine öğrenme algoritmaları ile enerji talebinin emisyon üzerine etkilerinin tahmini (2023)

Makaleler

I. Experimental study on emissions and particulate characteristics of diesel engine fueled with plastic waste oil, acetone-butanol-ethanol and diesel blends (2024)

Yusuf Abdulfatah Abdu, Veza Ibhama, Ampah Jeffrey Dankwa, Afrane Sandylove, SARIKOÇ SELÇUK, Mujtaba M.A., Yahuza Ibrahim

II. Dynamical Behavior of Droplet Diffusion Flame of Blended Castor Oil with Metal Based Liquid Catalyst (2024)

Nanlohy Hendry Y., SARIKOÇ SELÇUK, Setiyo Muji

III. Effects of Eugenol and Cineol Compound on Diffusion Burning Rate Characteristics of Crude Coconut Oil Droplet (2023)

Riupassa Helen, Suyatno Suyatno, Nanlohy Hendry Y., Sanata Andi, Trismawati Trismawati, Subagyo Rachmat, Adiwidodo Satworo, Rizza Muhammad Akhlis, Yamaguchi Masaki, Tomidokoro Takuya, SARIKOÇ SELÇUK

IV. Environmental and enviro-economic effect analysis of hydrogen-methanol-gasoline addition into an SI engine (2023)

SARIKOÇ SELÇUK

V. Examination of a CI engine running on poppy seed oil biodiesel/n-pentanol/diesel fuel blends with respect of thermodynamic and economic perspectives (2023)

YAMAN HAYRI, Saltan Gamze, DOĞAN BATTAL, YEŞİLYURT MURAT KADİR, SARIKOÇ SELÇUK

VI. Performance comparison of empirical model and Particle Swarm Optimization & its boiling point prediction models for waste sunflower oil biodiesel (2022)

Samuel Olusegun D., Kaveh Mohammad, J Oyejide Oluwayomi, Elumalai P. V., Verma Tikendra Nath, Nisar Kottakaran Sooppy, Saleel C Ahamed, Afzal Asif, Fayomi OSI, Owamah HI, SARIKOÇ SELÇUK, Enweremadu Christopher C

VII. A case for oxygenated nanofluid fuels as alternative aviation fuels: thermo-physical properties and effects on

engine performance (2022)

SARIKOÇ SELÇUK, Emekwuru Nwabueze

VIII. Comparative investigation of multi-walled carbon nanotube modified diesel fuel and biogas in dual fuel mode on combustion, performance, and emission characteristics (2022)

ATELGE MUHAMMED RAŞİT, ARSLAN ESENAY, Krişna David, Al-Samaraae R.R., ABUT SERDAR, ÜNALAN SEBAHATTİN, ATABANI ABDULAZİZ, KAHRAMAN NAFİZ, AKANSU SELAHADDİN ORHAN, KAYA MUSTAFA, SARIKOÇ SELÇUK, DEMİR KIVRAK HİLAL

IX. Effect of H₂ addition to methanol-gasoline blend on an SI engine at various lambda values and engine loads: A case of performance, combustion, and emission characteristics (2021)

SARIKOÇ SELÇUK

X. Lifecycle-based environmental pollution cost analyses of a spark ignition engine fueled with a methanol-gasoline blend (2021)

SARIKOÇ SELÇUK

XI. Impact of various lambda values on engine performance, combustion and emissions of a SI engine fueled with methanol-gasoline blends at full engine load (2020)

SARIKOÇ SELÇUK

XII. An experimental study on energy-exergy analysis and sustainability index in a diesel engine with direct injection diesel-biodiesel-butanol fuel blends (2020)

SARIKOÇ SELÇUK, ÖRS İLKER, ÜNALAN SEBAHATTİN

XIII. Experimental investigation of effects on performance, emissions and combustion parameters of biodiesel–diesel–butanol blends in a direct-injection CI engine (2020)

ÖRS İLKER, SARIKOÇ SELÇUK, MOHAMED ABDELAZİZ EMADELDİN ABDELAZİZ, ÜNALAN SEBAHATTİN

XIV. Experimental Study of Hydrogen Addition on Waste Cooking Oil Biodiesel-Diesel-Butanol Fuel Blends in a DI Diesel Engine (2019)

SARIKOÇ SELÇUK, ÜNALAN SEBAHATTİN, ÖRS İLKER

XV. The effects on performance, combustion and emission characteristics of DICI engine fuelled with TiO₂ nanoparticles addition in diesel/biodiesel/n-butanol blends (2018)

ÖRS İLKER, SARIKOÇ SELÇUK, Atabani AE, ÜNALAN SEBAHATTİN, AKANSU SELAHADDİN ORHAN

XVI. Energy and exergy analysis of a solid-oxide fuel cell power generation system for an aerial vehicle (ISSA-2015-139) (2018)

GENÇ GAMZE, SARIKOÇ SELÇUK

Bildiriler

I. Türkiye'nin Jeopolitik Konumu ve Yasal Düzenlemeler Çerçevesinde Enerji Dönüşümü ve Doğal Gaz Politikası (2026)

KAPLAN ÖZGE, SARIKOÇ SELÇUK

II. COMPARATIVE ASSESSMENT OF AIR POLLUTION AND GREEN HOUSE GAS IMPACTS OF ALTERNATIVE FUELS FOR SPARK-IGNITION VEHICLES (2025)

ÖZDOĞAN SARIKOÇ GÜLHAN, SARIKOÇ SELÇUK

III. ANALYSIS OF THE ENVIRONMENTAL AND ECO-ECONOMIC IMPACTS OF ALTERNATIVE BIOFUELS COMPARED WITH FOSSIL-BASED FUELS (2025)

ÖZDOĞAN SARIKOÇ GÜLHAN, SARIKOÇ SELÇUK

IV. COMPARISON OF LIFETIME EMISSION VALUES OF FOSSIL-BASED AND ALTERNATIVE FUELS IN INTERNAL COMBUSTION ENGINES (2025)

ÖZDOĞAN SARIKOÇ GÜLHAN, SARIKOÇ SELÇUK

V. HEATING CENTER ENERGY AND EXERGY ANALYSIS (2025)

Şahin Muhammet Ali, SARIKOÇ SELÇUK

VI. CALCULATION OF PRODUCT CARBON FOOTPRINT IN THE MANUFACTURING SECTOR: ENVIRONMENTAL AND ECONOMIC ASSESSMENT (2025)

Köseoğlu Volkan, SARIKOÇ SELÇUK

VII. Yapay Zeka Destekli Kapalı Ortam Hava Kalitesinin Sağlık Üzerine Etkilerinin Analizi (2024)

TOPAKTAŞ BERKHAN, SARIKOÇ MEHMET, BEKTAŞ YUSUF, SARIKOÇ SELÇUK, AKMAN AHMET UĞUR

VIII. Effect of Waste Cooking Oil Biodiesel on Performance and Emission Parameters of a Diesel Engine (2023)

ÖRS İLKER, YELBEY SAVAŞ, SARIKOÇ SELÇUK

IX. Lifecycle-based environmental pollution cost analysis of alternative biofuels at internal combustion engines (2022)

SARIKOÇ SELÇUK

X. Experimental Investigation of Biodiesel and Acetylene Dual Fuel Use in a Diesel Engine with RCCI Approach (2022)

ÖRS İLKER, SARIKOÇ SELÇUK, YELBEY SAVAŞ

XI. Environmental Impacts of Use of Biodiesel Produced from Waste Cooking Oils in Diesel Engines (2022)

- XII. Energy-Exergy Analysis of a Building Heated with Waste Heat Source District Heating Systems: Soma, Manisa, Case Study (2022)**
Ertan Murat,KOŞAR ONUR,SARIKOÇ SELÇUK
- XIII. Experimental Studies on Compression Ignition Engine Operated with Blends of Tamanu Biodiesel and Diesel (2022)**
Senthilkumar P. B.,Parthasarathy M.,SARIKOÇ SELÇUK,Nachhippan N. M.,A. Backiyaraj,Elumalai P. V.,Samuel Olusegun D.
- XIV. Research Status and Trends of Life Cycle Analysis of Ethanol- and Biodiesel-Fueled Engines: A Bibliometric Analysis in 2000–2021 (2022)**
Dankwa Ampah Jeffrey,SARIKOÇ SELÇUK
- XV. Assessment of Engine Characteristics of Diesel Engine Fuelled with Graphene Nano Additive Doped Syzygium cumini Biodiesel Blends (2022)**
Nachhippan N. M.,Parthasarathy M.,SARIKOÇ SELÇUK,Senthilkumar P. B.,Elumalai P. V.,A. Backiyaraj,Samuel Olusegun D.
- XVI. Piezoelectric Energy Harvester in IoT: Recent Highlights of Bibliometric Analysis (2022)**
Dhineshbabu NR,Elumalai P. V.,SARIKOÇ SELÇUK
- XVII. Optimization of the High-Speed De-Laval Nozzle to Reduce the Acoustic Energy by Using the Truncated Nozzle (2022)**
T. Kumaran,SARIKOÇ SELÇUK,C. Sarathkumar,A Backiyaraj,M. Parthasarathy
- XVIII. Effects of the Covid-19 Pandemic in the Natural Gas Sector: A Situation Evaluation on Supply and Demand (2022)**
Özğün Yonca,SARIKOÇ SELÇUK
- XIX. Experimental Investigation of the Use of n-Butanol as the Sole Fuel in an SI Engine in Terms of Performance and Emission Parameters (2021)**
ÖRS İLKER, SARIKOÇ SELÇUK
- XX. Bütanol Yakıtın Saf Biyodizelin Termo-Fiziksel Özellikleri Üzerine Etkileri (Effects Of Butanol Fuel On The Thermo-Physical Properties Of Pure Biodiesel) (2021)**
SARIKOÇ SELÇUK
- XXI. Effects of Alternative Aviation Fuels on Environment and Enviro-Economic (2021)**
SARIKOÇ SELÇUK
- XXII. Assessment of Oxygenated and Nanofluid Fuels as an Alternative/Green Aviation Fuels (2021)**
SARIKOÇ SELÇUK
- XXIII. Effects of Hydrogen Addition on Performance, Combustion, and Emission in a Spark Ignition Engine (2020)**
SARIKOÇ SELÇUK
- XXIV. Effects Of Hydrogen Addition On Energy And Exergy Analysis Of A Diesel Engine Operating With Diesel (2019)**
SARIKOÇ SELÇUK,ÜNALAN SEBAHATTİN
- XXV. An Experimental Investigation Of The Gasoline-Methanol Fuel Blend Effects On The Engine Performance, Combustion and Emissions of SI Engine (2019)**
SARIKOÇ SELÇUK,ÜNALAN SEBAHATTİN,İLHAK MEHMET İLHAN
- XXVI. Energy, Exergy Analyses and Combustion Characteristics of a DI Diesel Engine Fuelled With Diesel-Biodiesel Blend (2018)**
SARIKOÇ SELÇUK,ÖRS İLKER,ÜNALAN SEBAHATTİN
- XXVII. Gerçek oda şartlarında çift camlı pencerelerde optimum gaz tabakası kalınlığının sayısal analizi (2017)**
ÖZRAHAT EVRİM,SARIKOÇ SELÇUK,ÜNALAN SEBAHATTİN
- XXVIII. The effect on performance and emission parameters of diesel- biodiesel-butanol blend (2017)**
SARIKOÇ SELÇUK,ÖRS İLKER,ATABANİ ABDULAZİZ EMAD,ÜNALAN SEBAHATTİN
- XXIX. Using in a CI engine of Biodiesel Production from Waste Cooking Oil (2017)**
ÖRS İLKER,SARIKOÇ SELÇUK,ATABANİ ABDULAZİZ EMAD,ÜNALAN SEBAHATTİN
- XXX. Status of Alternative Biofuels in Turkey Past And Future Perspectives (2016)**
SARIKOÇ SELÇUK,MOHAMED ABDELAZIZ EMADELDIN ABDELAZIZ,ÜNALAN SEBAHATTİN
- XXXI. Study on Physical and Chemical Properties of Biodiesel Butanol Diesel Obtained From Waste Cooking Oil (2016)**
SARIKOÇ SELÇUK,MOHAMED ABDELAZIZ EMADELDIN ABDELAZIZ,ÜNALAN SEBAHATTİN
- XXXII. A review of tubular solid oxide fuel cell spray coating process (2013)**
SARIKOÇ SELÇUK

Kitaplar

- I. Vehicle Technology and Automotive Engineering (2025)**
ÖZARSLAN SALİHA,SARIKOÇ SELÇUK

II. Energy Rationality and Management for Decarbonization (2025)

Gurusamy Manikandaraja,Subramaniyan Balaji,Subramaniyan Malarmannan,Samuel Olusegun D.,Enweremadu Christopher C,SARIKOÇ SELÇUK

III. Energy Rationality and Management for Decarbonization (2025)

Alami Abdul Hai,Ayoub Mohamad,Alashkar Adnan,Alshamsi Fatima,Mdallal Ayman,Khuri Siren,SARIKOÇ SELÇUK

IV. Çevre Bilimleri ve Mühendisliği Alanında Özgün Bilimsel Konular (2025)

ÖZDOĞAN SARIKOÇ GÜLHAN,SARIKOÇ SELÇUK

V. Energy Rationality and Management for Decarbonization (2025)

Rizwanul Fattah Islam Md,Veza Ibham,SARIKOÇ SELÇUK,Al-Humairi Shurooq T.,Ogunkunle Oyetola,Muhammad Ali Hafiz

VI. Potential and Challenges of Low Carbon Fuels for Sustainable Transport (2022)

SARIKOÇ SELÇUK

VII. Greener and Scalable E-fuels for Decarbonization of Transport (2022)

Elumalai P. V., Senthur N. S., Parthasarathy M., Dash S. K., Samuel Olusegun D., Reddy M. Sreenivasa, Murugan M., Das PritamKumar, Sitaramamurty A. S. S. M., Anjanidevi S., SARIKOÇ SELÇUK

VIII. Application of Clean Fuels in Combustion Engines (2022)

Elumalai P. V., Senthur N. S., Parthasarathy M., Dash S. K., Samuel Olusegun D., Reddy M. Sreenivasa, Saravana A., Saravana A., Anjanidevi S., Sitaramamurty Adduri SSM, Sitaramamurty Adduri SSM, Anusha M., SARIKOÇ SELÇUK

IX. Renewable Energy-Technologies and Applications (2021)

SARIKOÇ SELÇUK

X. Diesel and Gasoline Engines (2020)

SARIKOÇ SELÇUK

Projeler

I. TUSAŞ-Sanayi ARGE Projesi: Kokpit İçi Ölçümler için Giyilebilir Esnek Sensörlerin Geliştirilmesi (2025)

ONUR KOŞAR, İSMAİL ÖZTÜRK, İlayda Nihal Karakaya, Mehmet Emin Özdemir, Sultan Kader Keskin, SELÇUK SARIKOÇ

II. İnsansız Hava Taşıtlarının (İHA ve SİHA) Uçuş Evresine ve Yüksek İrtifa Koşullarına Göre Motor Performansını Arttıracak Yakıt Katkı Maddesi Geliştirilmesi ve Yakıt Besleme Kontrol Sistemi Tasarımı (2023)

İLKER ÖRS, MEHMET SARIKOÇ, FATİH SARIKOÇ, SELÇUK SARIKOÇ

III. Sanayide hava kalitesinin çalışan sağlığı üzerine olan etkilerinin gerçek zamanlı araştırılması (2023)

SELÇUK SARIKOÇ, Tuncay Çetin, Samet Çelebi

IV. Yapay Zeka Analiz Destekli Kapalı Ortam Hava Kalitesinin Sağlık Üzerine Etkilerinin Araştırılması (2022)

SELÇUK SARIKOÇ, ALPASLAN ÖZTÜRK, AHMET UĞUR AKMAN, BERKHAN TOPAKTAŞ

V. 6th International Conference on Renewable Fuels Combustion and Fire (FCE) (2017)

SELÇUK SARIKOÇ, HÜSEYİN ENES FİL, MELİH YILDIZ, SEBAHATTİN ÜNALAN

VI. Dizel-Biyodizel Yakıt Karışımlarına Alkol ve Hidrojen İlavesinin Dizel Motorda Kullanımının İncelenmesi (2017)

SELÇUK SARIKOÇ, SEBAHATTİN ÜNALAN

VII. 9th International Conference on Sustainable Energy Environmental Protection SEEP2016 (2016)

SEBAHATTİN ÜNALAN, MELİH YILDIZ, SELÇUK SARIKOÇ, HÜSEYİN ENES FİL, SELAHADDİN ORHAN AKANSU

VIII. Implementation of a small scale biodiesel production project from waste for the state of Kayseri (Kayseri bölgesi atıklarından küçük ölçekli biyodizel üretim uygulama projesi) (2015)

HAZİR FAROUK ABDELRAHEEM ELHAJ, SUGENG TRIWAHYONO, SEBAHATTİN ÜNALAN, ŞÜKRAN EFE, İLKER ÖRS, SELÇUK SARIKOÇ, ABDELAZİZ EMADELDİN ABDELAZİZ MOHAMED

IX. The effect of additives on physicochemical properties engine performance exhaust emissions and combustion characteristics of biodiesel fueled CI engine (Biyodizel yakıtlı CI motorun yanma ve emisyonlarının karakteristiği motor performansı katkı maddelerinin fiziksel ve kimyasal özellikleri üzerine etkileri) (2015)

İLKER ÖRS, SELÇUK SARIKOÇ, ABDELAZİZ EMADELDİN ABDELAZİZ MOHAMED, HAZİR FAROUK ABDELRAHEEM ELHAJ, UMER RASHİD, MEİSAM TABATABAEİ, SHAUN CHAN, ŞÜKRAN EFE, SEBAHATTİN ÜNALAN

X. Silindirik Katı Oksit Yakıt Pillerinin SOFC Üretimi Karakterizasyonu ve Performanslarının İncelenmesi (2012)

XI. Katı Oksit Yakıt Hücreli Güç Üretim Sisteminin Enerji ve Ekserji Analizi (2012)

SELÇUK SARIKOÇ, GAMZE GENÇ

Başarılar & Ödüller

I. Amasya Üniversitesi 2025 Yılı Araştırma Teşvik Ödülü (2025)

II. Akademik Teşvik (2025)

III. Akademik Teşvik (2024)

- IV. Akademik Teşvik (2023)**
- V. Akademik Teşvik (2022)**
- VI. Yayın Teşvik (2022)**
- VII. Yayın Teşvik (2022)**
- VIII. Anadolu Üniversiteler Birliği 1. ARGE Proje Pazarı (2022)**
- IX. UIC TrainRail 2022 Middle East Regional Hackathon (2022)**
- X. Teşekkür Belgesi (2021 Yılı İçinde Q1 Katagorisindeki Dergilerde Amasya Üniversite Adresli Özgün Araştırma Makalesi Yayımlama) (2021)**
- XI. Yayın Teşvik (2021)**
- XII. Akademik Teşvik (2021)**
- XIII. Akademik Teşvik (2020)**
- XIV. Teşekkür Belgesi (2020 Yılı İçinde Q1 Katagorisindeki Dergilerde Amasya Üniversite Adresli Özgün Araştırma Makalesi Yayımlama) (2020)**
- XV. Yayın Teşvik (2020)**
- XVI. Akademik Teşvik (2019)**
- XVII. Yayın Teşvik (2019)**
- XVIII. Yayın Teşvik (2018)**
- XIX. Yayın Teşvik (2018)**
- XX. Akademik Teşvik (2017)**