

Assoc. Prof. VOLKAN ASLAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: GQA-9535-2022

Yoksis Researcher ID: 107165

Education

Doctorate, Yozgat Bozok University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2015 - 2019

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2011 - 2015

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 2007 - 2011

Undergraduate, Suleyman Demirel University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Pr., Turkey 2002 - 2006

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Yüksek sıcaklıklar altında sarıçam kerestesinin kurutulmasının incelenmesi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 2011

Research Areas

Mechanical Engineering, Energy, Alternative Energy Resources, Thermodynamics, Fuels and Combustion, Engineering and Technology

Academic Positions

Assistant Professor, Yozgat Bozok University, Faculty of Engineering-Architecture, Makine Mühendisliği, 2024 - Continues

Academic and Administrative Experience

Deputy Head of Department, Yozgat Bozok University, Faculty of Engineering-Architecture, Makine Mühendisliği, 2024 - Continues

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Experimental Research of the Drying Behavior of White Cabbage Leaves With Three Different Geometries in a Wind Energy-Assisted Hybrid Hot Air Dryer**
ASLAN V., Atalay H.
Journal of Food Process Engineering, vol.47, no.10, 2024 (SCI-Expanded)
- II. **The analysis of classical, polynomial regression and cubic spline mathematical models in hemp biodiesel optimization: an experimental comparison**
Aslan V.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.31, pp.9392-9407, 2024 (SCI-Expanded)
- III. **Advanced exergoeconomic and exergy performance assessments of a wind and solar energy powered hybrid dryer**
Atalay H., ASLAN V.
Renewable Energy, vol.209, pp.218-230, 2023 (SCI-Expanded)
- IV. **Fuel characterization, engine performance characteristics and emissions analysis of different mustard seed biodiesel: An overview**
Aslan V.
JOURNAL OF BIOTECHNOLOGY, vol.370, pp.12-30, 2023 (SCI-Expanded)
- V. **An Overview of Biodiesel Produced from 2nd Generation Feedstock: Mustard Seed Types**
Aslan V.
BIOENERGY RESEARCH, vol.1, pp.1-21, 2022 (SCI-Expanded)
- VI. **Polynomial regression method for optimization of biodiesel production from black mustard (Brassica nigra L.) seed oil using methanol, ethanol, NaOH, and KOH**
ASLAN V., ERYILMAZ T.
ENERGY, vol.209, 2020 (SCI-Expanded)
- VII. **The production of biodiesel from safflower (Carthamus tinctorius L.) oil as a potential feedstock and its usage in compression ignition engine: A comprehensive review**
Yeşilyurt M. K., Cesur C., Aslan V., Yılbaşı Z.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.119, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Comparison of density, kinematic viscosity, and heating values of blended biodiesels produced by blending methyl and ethyl esters produced from flaxseed oil**
Aslan V., Karaca M.
Journal of innovative engineering and natural science (Online), vol.4, no.2, pp.541-560, 2024 (Peer-Reviewed Journal)
- II. **COMPARISON OF KINEMATIC VISCOSITY VALUES OF BIOFUELS PRODUCED BY BLENDING METHYL ESTERS PRODUCED USING HEMP SEED OIL AND NAOH-KOH WITH DIESEL FUEL**
DEMİRBAŞ F., ASLAN V.
KSÜ Mühendislik Bilimleri Dergisi, vol.27, no.2, pp.539-553, 2024 (Peer-Reviewed Journal)

Funded Projects

ASLAN V., Project Supported by Higher Education Institutions, Türkiyede yetiştirilen pelemir (Cephalaria syriaca L.) tohumu yağından üretilen biyodizeleler grubu dizel karışımlarının karakterizasyonu motor performans egzozemasyon ve yanma karakteristiklerinin değerlendirilmesi, 2024 - Continues

ASLAN V., Project Supported by Higher Education Institutions, Kenevir biyodizeli üretimi optimizasyon çalışmalarında farklı matematiksel modellerin deneysel olarak incelenmesi ve klasik optimizasyon tekniği ile karşılaştırılması, 2020 -

2022

ERYILMAZ T., ASLAN V., Project Supported by Higher Education Institutions, Üretiminde farklı alkoller ve katalizörler kullanılan biyodizellerin yakıt özellikleri, motor performansları ve egzoz emisyonlarının incelenmesi, 2018 - 2020

ERYILMAZ T., ASLAN V., Project Supported by Higher Education Institutions, Üzüm Çekirdeği Yağının Biyodizel Üretiminde Değerlendirilmesi, 2017 - 2019

DOĞAN M., ASLAN V., Project Supported by Higher Education Institutions, Vorteks Üretici Kanat Kullanılarak Kanallarda Akışın Laser (Piv) İle Görüntülenmesi ve Isı Transferlerinin Deneysel İncelenmesi, 2013 - 2017

Aslan V., Bolattürk A., Project Supported by Higher Education Institutions, Çam Kerestesinin Basınç Altında Kurutulması, 2009 - 2010

Metrics

Publication: 10

Citation (Scopus): 214

H-Index (WoS): 5

H-Index (Scopus): 4

Non Academic Experience

MURATHAN MÜHENDİSLİK - MURATHAN MÜHENDİSLİK İNŞAAT TURİZM PETROL ÜRÜNLERİ SAN. VE TİC.LTD.ŞTİ.,
Makina Mühendisi