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EĞİTİM BİLGİLERİ

Yüksek Lisans, KARADENİZ TEKNİK ÜNİVERSİTESİ, Fen Bilimleri, Makina Mühendisliği, 2010-2014

YAPTIĞI TEZLER

Yüksek Lisans, "Çeşitli Üretim Parametrelerinin Mısır ve Fındık Yağından Üretilen Biyodizellerin Önemli Yakıt Özelliklerine Etkilerinin Deneysel Olarak İncelenmesi", KARADENİZ TEKNİK ÜNİVERSİTESİ Fen Bilimleri Enstitü Makina Mühendisliği Mayıs, 2014.

YABANCI DİLLER

İngilizce, İyi

AKADEMİK UNVANLAR/GÖREVLER

Arş.Gör., KARADENİZ TEKNİK ÜNİVERSİTESİ, Fen Bilimleri Enstitü, 2012 - Devam Ediyor

ARAŞTIRMA ALANLARI

Alternatif Enerji Kaynakları

İçten Yanmalı Motorlar

Biyodizel Üretimi

Yakıtlar ve Yanma

SCI,SSCI,AHCI İNDEKSİNE GİREN DERGİLERDE YAYINLANAN MAKALELER

Gülüm M., Kutlu Onay F., Bilgin A., "Comparison of viscosity prediction capabilities of regression models and artificial neural networks", ENERGY, vol.1, pp.1-10, 2018

Gülüm M., Bilgin A., "A comprehensive study on measurement and prediction of viscosity of biodiesel-diesel-alcohol ternary blends", ENERGY, vol.1, pp.1-10, 2018

Olusegun David S. , Gülüm M., "Mechanical and Corrosion Properties of Brass Exposed to Waste Sunflower Oil Biodiesel-Diesel Fuel Blends", CHEMICAL ENGINEERING COMMUNICATIONS, vol.1, no.1, pp.1-10, 2018

Gülüm M., Bilgin A., "Measurements and empirical correlations in predicting biodiesel-diesel blends' viscosity and density", FUEL, vol.199, pp.567-577, 2017

Gülüm M., Bilgin A., "Two-term power models for estimating kinematic viscosities of different biodiesel-diesel fuel blends", FUEL PROCESSING TECHNOLOGY, vol.149, pp.121-130, 2016

Gülüm M., Bilgin A., Çakmak A., "COMPARISON OF OPTIMUM REACTION PARAMETERS OF CORN OIL BIODIESELS PRODUCED BY USING SODIUM HYDROXIDE (NaOH) AND POTASSIUM HYDROXIDE (KOH)", JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.2015, pp.100-110, 2015

Gülüm M., Bilgin A., "Density, flash point and heating value variations of corn oil biodiesel–diesel fuel blends", FUEL PROCESSING TECHNOLOGY, vol.131-140, pp.111-121, 2015

DİĞER DERGİLERDE YAYINLANAN MAKALELER

Gülüm M., Kutlu Onay F., Bilgin A., "Evaluation of Predictive Capabilities of Regression Models and Artificial Neural Networks for Density and Viscosity Measurements of Different Biodiesel-Diesel-Vegetable Oil Ternary Blends", Environmental and Climate Technologies, vol.22, pp.179-205, 2018

Gülüm M., Bilgin A., "Density and Viscosity Measurements for Olive Oil Biodiesel, Diesel Fuel and n-Butyl Alcohol Ternary Blends", Journal of Clean Energy Technologies, vol.6, no.2, pp.183-187, 2018

Bilgin A., Gülüm M., "Effects of various transesterification parameters on the some fuel properties of hazelnut oil methyl ester", Energy Procedia, vol.147, pp.54-62, 2018

Gülüm M., Bilgin A., "An Experimental Optimization Research of Methyl and Ethyl Esters Production from Safflower Oil", Environmental and Climate Technologies, pp.132-148, 2018

Gülüm M., Bilgin A., "LOGARITHMIC AND RATIONAL MODELS TO PREDICT KINEMATIC VISCOSITIES OF SUNFLOWER BIODIESEL-DIESEL FUEL BLENDS", International Journal of Advances on Automotive and Technology, vol.1, no.1, pp.20-26, 2018

Gülüm M., Bilgin A., "Viscosity correlation development for corn oil biodiesel-diesel fuel blends", International Journal of Smart Grid and Clean Energy, vol.6, no.3, pp.165-170, 2017

Gülüm M., Bilgin A., "Determination of densities and viscosities of canola oil biodiesel-diesel fuel-isopropyl alcohol blends", International Journal of Smart Grid and Clean Energy, vol.6, no.3, pp.177-181, 2017

Gülüm M., Bilgin A., Çakmak A., "Production of the Lowest Viscosity Waste Cooking Oil Biodiesel by Using Ethanol and Potassium Hydroxide", Journal of Clean Energy Technologies, vol.5, pp.289-293, 2017

Bilgin A., Gülüm M., Koyuncuoğlu İ., Naç E., Çakmak A., "Determination of transesterification reaction parameters giving the lowest viscosity waste cooking oil biodiesel", World Conference on Technology, Innovation and Entrepreneurship", Procedia - Social and Behavioral Sciences, vol.195, pp.2492-2500, 2015

KİTAP VEYA KİTAPLARDA BÖLÜMLER

Gülüm M., Bilgin A., "Temperature Dependence of Densities of Different Biodiesel-Diesel-Alcohol Ternary Blends", Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018, Nicolae Burnete and Bogdan Ovidiu Varga, Ed., Springer, Cham, Switzerland , ss.225-233, 2019

Gülüm M., Olusegun David S. , Bilgin A., "Development of Two-Dimensional Models for Estimating Densities of Biodiesel-Diesel-Alcohol Ternary Blends", Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018, Nicolae Burnete and Bogdan Ovidiu Varga, Ed., Springer, Cham, Switzerland , ss.249-257, 2019

Gülüm M., Bilgin A., "Regression Models for Predicting Some Important Fuel Properties of Corn Oil Biodiesel-Diesel Fuel Blends", in: Exergetic, Energetic and Environmental Dimensions, Dincer I., Colpan C.O., Kizilkan O., Eds., Elsevier, Amsterdam, pp.829-850, 2018

Bilgin A., Gülüm M., "EFFECTS OF TEMPERATURE AND BIODIESEL FRACTION ON DENSITIES OF COMMERCIALY AVAILABLE DIESEL FUEL AND ITS BLENDS WITH THE HIGHEST METHYL ESTER YIELD CORN OIL BIODIESEL PRODUCED BY USING NaOH", in: Exergy for A Better Environment and Improved Sustainability, Volume 2, Fethi Aloui and Ibrahim Dincer, Eds., Springer International Publishing AG, Cham, pp.1-1263, 2018

Gülüm M., Bilgin A., "Effects of Temperature and Biodiesel Fraction on Dynamic Viscosities of Commercially Available Diesel Fuels and Its Blends with the Highest Methyl Ester Yield Corn Oil Biodiesel Produced by Using KOH", in: Exergy for A Better Environment and Improved Sustainability, Volume 2, Fethi Aloui and Ibrahim Dincer, Eds., Springer International Publishing, Cham, pp.1-1263, 2018

Gülüm M., Bilgin A., "A Research on Reaction Parameters About Hazelnut Oil Methyl Ester Productio", in: Exergetic, Energetic and Environmental Dimensions, Dincer I., Colpan C.O., Kizilkan O., Eds., Elsevier, Amsterdam, pp.873-894, 2018

Olusegun David S. , Gülüm M., "Advances in Energy Research. Volume 28", in: Optimization and Correlation between the Composition and Flash Point of (Biodiesel + Diesel), (Palm Kernel Oil + Diesel) and (Palm Kernel Oil + Diesel) Blends , Morena J. Acosta, Eds., Nova Science Publishers, Hauppauge, pp.1-24, 2017

HAKEMLİ KONGRE/SEMPOZYUM BİLDİRİ KİTAPLARINDA YER ALAN YAYINLAR

Bilgin A., Gülüm M., "Measurement and prediction of density and viscosity of differentdiesel-vegetable oil binary blends", CONECT 2018, Riga, LETONYA, 16-18 Mayıs 2018, vol.1, no.1, pp.1-10

Gülüm M., Bilgin A., "Density variations of biodiesel-diesel-isopropanol ternary blends", 4th International Conference on Advances in Mechanical Engineering, İSTANBUL, TÜRKİYE, 19-21 Aralık 2018, pp.1-5

Gülüm M., Bilgin A., "A parametric experimental study on biodiesel production from corn and hazelnut oils", 4th International Conference on Advances in Mechanical Engineering, İSTANBUL, TÜRKİYE, 19-21 Aralık 2018, pp.1-5

Gülüm M., Bilgin A., "DENSITY and VISCOSITY CHANGES of CORN OIL BIODIESEL-DIESEL FUEL BINARY BLENDS", 1st International Conference on Advances in Mechanical and Mechatronics Engineering ICAMMEN, ANKARA, TÜRKİYE, 8-9 Kasım 2018, pp.1-4

Gülüm M., Bilgin A., "PRODUCTION OF CORN AND HAZELNUT OIL METHYL ESTERS USING SODIUM HYDROXIDE AND METHYL ALCOHOL", 1st International Conference on Advances in Mechanical and Mechatronics Engineering ICAMMEN, ANKARA, TÜRKİYE, 8-9 Kasım 2018, pp.1-5

Gülüm M., Bilgin A., "DENSITY VARIATION OF ETHYL ESTER-DIESEL-BUTANOL TERNARY BLENDS", 1st International Conference on Advances in Mechanical and Mechatronics Engineering ICAMMEN, ANKARA, TÜRKİYE, 8-9 Kasım 2018, pp.1-5

Gülüm M., Bilgin A., "TEMPERATURE AND BIODIESEL FRACTION DEPENDENCE OF DENSITY OF BIODIESEL-DIESEL FUEL BLENDS", 1st International Conference on Advances in Mechanical and Mechatronics Engineering ICAMMEN, ANKARA, TÜRKİYE, 8-9 Kasım 2018, pp.1-4

Gülüm M., Bilgin A., "Prediction of density of waste cooking oil ethyl ester-diesel-ethanol ternary blends at various temperatures", 4th International Conference on Advances in Mechanical Engineering, İSTANBUL, TÜRKİYE, 19-21 Aralık 2018, pp.1-5

Gülüm M., Onay F.K., Bilgin A., "Evaluation of predictive capabilities of regression models and artificial neural networksfor density and viscosity measurements of different biodiesel-diesel-vegetable oilternary blends", CONECT 2018, Riga, LETONYA, 16-18 Mayıs 2018, vol.1, no.1, pp.1-10

Gülüm M., Bilgin A., "DENSITY AND KINEMATIC VISCOSITY VARIATIONS OF WASTE COOKING OIL BIODIESEL, DIESEL FUEL AND N-PENTANOL TERNARY BLENDS ", İSTANBUL INTERNATIONAL CONFERENCE ON PROGRESS IN APPLIED SCIENCE 2017 - ICPAS 2017, İSTANBUL, TÜRKİYE, 4-6 Ocak 2017, pp.01-04

Çakmak A., Bilgin A., Gülüm M., "Performance and Emissions of a Single Cylinder CI Engine Running on Corn Oil Methyl Ester-Diesel Blends", 2016 2nd International Conference on Renewable Energy and Bioenergy, (ICREB 2016), Consanta, ROMANYA, 29 Haziran - 2 Temmuz 2016, vol.1, no.1, pp.1-1

Gülüm M., Bilgin A., "rational and hyperbolic models to estimate kinematic viscosities of hazelnut oil biodiesel-diesel fuel blends", IEEES8 - 8th International Exergy, Energy and Environmental Symposium, ANTALYA, TÜRKİYE, 1-4 Mayıs 2016, vol.1, no.1, pp.1-9

Gülüm M., Bilgin A., "Production of hazelnut oil biodiesel through investigating KOH-catalyzed transesterification reaction parameters", IEEES8 - 8th International Exergy, Energy and Environmental Symposium, ANTALYA, TÜRKİYE, 1-4 Mayıs 2016, vol.1, no.1, pp.1-9

Gülüm M., Bilgin A., "Effects Of Temperature And Biodiesel Fraction On Dynamic Viscosities Of Commercially Available Diesel Fuels And Its Blends With The Highest Methyl Ester Yield Corn-Oil Biodisel Produced By Using Of KOH: Part II", IEEES7 - The 7th International Exergy, Energy and Environmental Symposium, Valenciennes, FRANSA, 27-30 Nisan 2015, vol.1, no.1, pp.1-1

Gülüm M., Bilgin A., "Çeşitli üretim parametrelerinin NaOH kullanılarak üretilen mısır yağı biyodizelinin bazı yakıt özelliklerine etkisi", OTEKON 2014 7. Otomotiv Teknolojileri Kongresi, BURSA, TÜRKİYE, 26-27 Mayıs 2014, ss.1-10

Bilgin A., Gülüm M., "The effects of temperature and biodiesel fraction on the viscosity of biodiesel-diesel fuel blends", The European Conference on Sustainability, Energy & the Environment 2014 (ECSEE2014), Brighton, İNGİLTERE, 3-6 Temmuz 2014, pp.1-10

DESTEKLENEN PROJELER

"En Düşük Viskoziteli Atık Kızartma Yağı Biyodizelinin Üretimi, Sprey Özelliklerinin İyileştirilmesi, Motor Performansı Ve Egzoz Emisyonlarına Etkisinin İncelenmesi", TÜBİTAK Projesi, 217M088, Yönetici, Devam Ediyor

KATILDIĞI BİLİMSEL KONGRE/SEMPOZYUM VE BİLİMSEL TOPLANTILAR

1st International Conference on Advances in Mechanical and Mechatronics Engineering ICAMMEN, Ankara, Kasım 2018

4th International Conference on Advances in Mechanical Engineering, İstanbul, Aralık 2018
The Conference of Environmental and Climate Technologies CONECT 2018, Riga, Mayıs 2018
İSTANBUL INTERNATIONAL CONFERENCE ON PROGRESS IN APPLIED SCIENCE 2017 - ICPAS 2017, İstanbul, Ocak 2017
6th International Conference on Clean and Green Energy, Frankfurt, Şubat 2017
IEEES8 - The 8th International Exergy, Energy and Environmental Symposium, Antalya, Nisan 2016
2nd International Conference on Renewable Energy and Bioenergy (ICREB) , Constanta, Temmuz 2016
IEEES7 - The 7th International Exergy, Energy and Environmental Symposium, Valence, Nisan 2015
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Mayıs 2015
7. OTOMOTİV TEKNOLOJİLERİ KONGRESİ, Bursa, Mayıs 2014
The European Conference on Sustainability, Energy & the Environment, Brighton, Temmuz 2014

BİLİMSEL HAKEMLİKLER

Energy Conversion and Management Journal, Dergide Hakemlik, Şubat 2015
Journal of King Saud University - Science, Dergide Hakemlik, Mart 2018
Energy Conversion and Management Journal, Dergide Hakemlik, Kasım 2016
The Journal of Chemical & Engineering Data, Dergide Hakemlik, Şubat 2017
International Journal of Green Energy, Dergide Hakemlik, Temmuz 2017
International Journal of Applied Microbiology and Biotechnology Research, Dergide Hakemlik, Ağustos 2017
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Dergide Hakemlik, Nisan 2018
Journal of King Saud University - Science , Dergide Hakemlik, Haziran 2018
Waste and Biomass Valorization, Dergide Hakemlik, Mayıs 2018
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Dergide Hakemlik, Aralık 2018

GOOGLE AKADEMİK LINKLERİ VE H İNDEXİ

2017, Google Scholar Linkleri: 190, H Index: 4

ÖDÜLLER VE BURSLAR

Gülüm M, "Outstanding Reviewer , Journal of King Saud University-Science (Elsevier), Ağustos 2018
Gülüm M,Gülüm M., "Recognized Reviewer (Journal of King Saud University), ELSEVIER, Haziran 2018
Gülüm M, "Outstanding Reviewer (Energy Conversion and Management), ELSEVIER, Haziran 2018