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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, University Of Malaya, Faculty Of Engineering, Mechanical Engineering, Malezya 2011 - 2014

Yüksek Lisans, University Of Malaya, Faculty Of Engineering, Mechanical Engineering, Malezya 2008 - 2010

Lisans, University Of Khartoum, Faculty Of Engineering, Mechanical Engineering, Sudan 2000 - 2005

Yabancı Diller

Endonezyaca, A1 Başlangıç

İngilizce, C2 Ustalık

Türkçe, A1 Başlangıç

Arapça, C2 Ustalık

Yaptığı Tezler

Doktora, A comprehensive Analysis of Edible and Non-edible Biodiesel Feedstocks, University Of Malaya, Faculty Of Engineering, Mechanical Engineering, 2010

Yüksek Lisans, Energy Economical and Environmental Analysis of Industrial boilers, University Of Malaya, Faculty Of Engineering, Mechanical Engineering, 2008

Araştırma Alanları

Teknik Bilimler, Makina Mühendisliği, Enerji, Diğer Yenilenebilir Enerji Sistemleri, Alternatif Enerji Kaynakları

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Erciyes Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, 2018 - Devam Ediyor

Yrd.Doç.Dr., Erciyes Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, 2015 - 2018

Öğretim Görevlisi Dr., Erciyes Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, 2014 - 2015

Yönetilen Tezler

MOHAMED ATABANI A. I. , To be announced, Doktora, M.Ahmed(Öğrenci), Devam Ediyor

Mohamed Atabani A., Valorization of spent coffee grounds into biodiesel: blending with alcohols, engine performance and FT-IR, TGA, DSC and NMR characterizations, Yüksek Lisans, O.Khalid(Öğrenci), 2020

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Jüri Üyelikleri

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Aydın Adnan Menderes Üniversitesi, Şubat, 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A dual functional material: Spirulina Platensis waste-supported Pd-Co catalyst as a novel promising supercapacitor electrode**
KARAKAŞ D. E. , Akdemir M., MOHAMED ATABANI A., KAYA M.
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- II. **Editorial Preface of the Special Issue on The 4th International Conference on Alternative Fuels, Energy & Environment: Futures and Challenges (ICAFEE 2019)” 18th–21st, October 2019, Feng Chia University (FCU), Taichung, Taiwan**
MOHAMED ATABANI A., Kumar G., Kim S., Pugazhendhi A.
Fuel, cilt.301, 2021 (SCI İndekslerine Giren Dergi)
- III. **Acid-based lignocellulosic biomass biorefinery for bioenergy production: Advantages, application constraints, and perspectives**
Anh Tuan Hoang A. T. H. , Nizetic S., Ong H. C. , Chong C. T. , MOHAMED ATABANI A., Van Viet Pham V. V. P.
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- IV. **Investigation of slow pyrolysis mechanism and kinetic modeling of Scenedesmus quadricauda biomass**
Khan S. A. , Ali I., Naqvi S. R. , Li K., Mehran M. T. , Khoja A. H. , Alarabi A. A. , MOHAMED ATABANI A.
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- V. **Defatted spent coffee grounds-supported cobalt catalyst as a promising supercapacitor electrode for hydrogen production and energy storage**
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- VI. **Enhanced Methane Production from Anaerobic Co-Digestion of Wheat Straw Rice Straw and Sugarcane Bagasse: A Kinetic Analysis**
Meraj S., Liaquat R., Naqvi S. R. , Sheikh Z., Zainab A., Khoja A. H. , Juchelkova D., MOHAMED ATABANI A.
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- VII. **Impact of HHO gas enrichment and high purity biodiesel on the performance of a 315 cc diesel engine**
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- VIII. **Renewable biohydrogen production from lignocellulosic biomass using fermentation and integration of systems with other energy generation technologies**
Bhatia S. K. , Jagtap S. S. , Bedekar A. A. , Bhatia R. K. , Rajendran K., Pugazhendhi A., Rao C., MOHAMED ATABANI A., Kumar G., Yang Y.
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- IX. **Editorial preface of the special issue on “The 4th International Conference on Alternative Fuels, Energy & Environment: Futures & challenges (ICAFEE 2019)” 18th – 21st, October 2019, Feng Chia University (FCU), Taiwan**
MOHAMED ATABANI A., Chae K.
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- X. **Current challenges and innovative developments in pretreatment of lignocellulosic residues for biofuel production: A review**
Beig B., Riaz M., Naqvi S. R. , Hassan M., Zheng Z., Karimi K., Pugazhendhi A., MOHAMED ATABANI A., Chi N. T. L.
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- XI. **Gasification of municipal solid waste blends with biomass for energy production and resources recovery: Current status, hybrid technologies and innovative prospects**
Hameed Z., Aslam M., Khan Z., Maqsood K., MOHAMED ATABANI A., Ghauri M., Khurram M. S. , Rehan M., Nizami A.
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- XII. **Techno-enviro assessment and ranking of Turkey for use of home-scale solar water heaters**
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- XIII. **Recent developments and strategies in genome engineering and integrated fermentation approaches for biobutanol production from microalgae**
Shanmugam S., Hari A., Kumar D., Rajendran K., Mathimani T., MOHAMED ATABANI A., Brindhadevi K., Pugazhendhi A.
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- XIV. **Anaerobic co-digestion of oil-extracted spent coffee grounds with various wastes: Experimental and kinetic modeling studies**
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- XV. **Wastewater based microalgal biorefinery for bioenergy production: Progress and challenges**
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- XVI. **Editorial preface of the special issue on “progress in alternative fuels and energies”**
MOHAMED ATABANI A.
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- XVII. **Effect of reaction conditions on the lifetime of SAPO-34 catalysts in methanol to olefins process - A review**
Ahmad M. S. , Cheng C. K. , Bhuyar P., MOHAMED ATABANI A., Pugazhendhi A., Nguyen Thuy Lan Chi N. T. L. C. , Witoon T., Lim J. W. , Juan J. C.
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- XVIII. **Spectral, thermoanalytical characterizations, properties, engine and emission performance of complementary biodiesel-diesel-pentanol/octanol blends**
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- XIX. **Comparative study of nanoparticles and alcoholic fuel additives-biodiesel-diesel blend for performance and emission improvements**
Mujtaba M. A. , Kalam M. A. , Masjuki H. H. , Gul M., Soudagar M. E. M. , Ong H. C. , Ahmed W., MOHAMED ATABANI A.,

Razzaq L., Yusoff M.

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- XX. **Spectral, In Vitro Biological, Engine and Emission Performances of Biodiesel Production from Chlorella protothecoides: A Sustainable Renewable Energy Source**
Arvindnarayan S., Shobana S., Dharmaraja J., Nguyen D. D. , Chang S. W. , Atabani A., Kumar G., Prabhu K. K. S.
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- XXI. **A review on valorization of spent coffee grounds (SCG) towards biopolymers and biocatalysts production**
Saratale G. D. , Bhosale R., Shobana S., Banu J. R. , Pugazhendhi A., Mahmoud E., Sirohi R., Bhatia S. K. , MOHAMED ATABANI A., Mulone V., et al.
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- XXII. **Experimental insight into co-combustion characteristics of oxygenated biofuels in modified DICl engine**
Alagumalai A., Mathimani T., Pugazhendhi A., MOHAMED ATABANI A., Brindhadevi K., Canh N. D.
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- XXIII. **Editorial Preface for the Special Issue "The 3rd International Conference on Alternative Fuels, Energy & Environment: Futures and Challenges (ICAFEE 2018)" 28th-31st October 2018 Southeast University (SEU), Nanjing, People's Republic of China**
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- XXIV. **Carbon molecular sieve production from defatted spent coffee ground using ZnCl₂ and benzene for gas purification**
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- XXV. **Assessment of agro-industrial residues for bioenergy potential by investigating thermo-kinetic behavior in a slow pyrolysis process**
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- XXVI. **Impact of additives in Jet-A fuel blends on combustion, emission and exergetic analysis using a micro-gas turbine engine**
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- XXVII. **Biodiesel from Scenedesmus species: Engine performance, emission characteristics, corrosion inhibition and bioanalysis**
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- XXVIII. **Effect of hydrogen and multiwall carbon nanotubes blends on combustion performance and emission of diesel engine using Taguchi approach**
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- XXIX. **Optimization, kinetic and thermodynamic studies on sustainable biodiesel production from waste cooking oil: An Indian perspective**
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- XXX. **Evaluation, characterization, and engine performance of complementary fuel blends of butanol-biodiesel-diesel from Aleurites moluccanus as potential alternative fuels for CI engines**
MOHAMED ATABANI A., Mekaoussi M., Uguz G., Arpa O., Ayanoglu A., Shobana S.
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- XXXI. **Valorization of spent coffee grounds for biodiesel production: blending with higher alcohols, FT-IR, TGA, DSC, and NMR characterizations**

- MOHAMED ATABANI A., Al-Rubaye O. K.
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- XXXII. **A critical review of pretreatment technologies to enhance anaerobic digestion and energy recovery**
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- XXXIII. **Modeling Viscosity and Density of Ethanol-Diesel-Biodiesel Ternary Blends for Sustainable Environment**
Razzaq L., Farooq M., Mujtaba M. A. , Sher F., Farhan M., Hassan M. T. , Soudagar M. E. M. , MOHAMED ATABANI A., Kalam M. A. , Imran M.
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- XXXIV. **Biorefinery of spent coffee grounds waste: Viable pathway towards circular bioeconomy**
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- XXXV. **A novel Microcystis aeruginosa supported manganese catalyst for hydrogen generation through methanolysis of sodium borohydride**
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- XXXVI. **Editorial Preface to the Special Issue on “The 2nd International Conference on Alternative Fuels and Energy: Futures and Challenges (ICAFE 2017)” 23rd–25th October 2017, Daegu, Republic of Korea**
Atabani A., Pugazhendhi A., Al-Muhtaseb A. H. , Kobayashi T., Lee C.
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- XXXVII. **Biogas Production from Organic Waste: Recent Progress and Perspectives**
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- XXXVIII. **Characterization of Hemp (Cannabis sativa L.) Biodiesel Blends with Euro Diesel, Butanol and Diethyl Ether Using FT-IR, UV-Vis, TGA and DSC Techniques**
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- XL. **Experimental investigation of effects on performance, emissions and combustion parameters of biodiesel–diesel–butanol blends in a direct-injection CI engine**
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- XLI. **A compressive review on the effects of alcohols and nanoparticles as an oxygenated enhancer in compression ignition engine**
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- XLII. **Synthesis and evaluation of oxidation stability of biodiesel prepared from spent bleaching clay residual oil**
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- XLIII. **Biobutanol from lignocellulosic biomass: bioprocess strategies**
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- XLIV. **Improved project control for sustainable development of construction sector to reduce environment risks**

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- XLV. **Harvesting of blooming microalgae using green synthesized magnetic maghemite (γ -Fe₂O₃) nanoparticles for biofuel production**
Duman F., Şahin U., Atabani A.
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- XLVI. **Valorization of spent coffee grounds into biofuels and value-added products: Pathway towards integrated bio-refinery**
Atabani A. I., Al-Muhtaseb A. H., Kumar G., Saratale G. D., Aslam M., Khan H. A., Said Z., Mahmoud E.
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- XLVII. **Fuels properties, characterizations and engine and emission performance analyses of ternary waste cooking oil biodiesel–diesel–propanol blends**
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- XLVIII. **Anaerobic membrane bioreactors for wastewater treatment: Novel configurations, fouling control and energy considerations**
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- XLIX. **Integrated valorization of waste cooking oil and spent coffee grounds for biodiesel production: Blending with higher alcohols, FT-IR, TGA, DSC and NMR characterizations**
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- L. **Engine performance, emission and bio characteristics of rice bran oil derived biodiesel blends**
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- LII. **The effects on performance, combustion and emission characteristics of DICI engine fuelled with TiO₂ nanoparticles addition in diesel/biodiesel/n-butanol blends**
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- LIII. **“5th International Conference on Emerging and Renewable Energy: Generation and Automation” (ICEREGA’17), 4–6 July 2017, Belfort, France**
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- LIV. **Valorization of spent coffee grounds recycling as a potential alternative fuel resource in Turkey: An experimental study**
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- LV. **Biodiesel production by valorizing waste Phoenix dactylifera L. Kernel oil in the presence of synthesized heterogeneous metallic oxide catalyst (Mn@MgO-ZrO₂)**
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- LVI. **Transesterification of croton megalocarpus oil to biodiesel over WO₃ supported on silica mesoporous-macroparticles catalyst**
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- LVII. **A review of thermochemical conversion of microalgal biomass for biofuels: chemistry and processes**
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- LVIII. **Production, characterization, engine performance and emission characteristics of Croton megalocarpus and Ceiba pentandra complementary blends in a single-cylinder diesel engine**
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- LIX. **The prospects of using Acrocomia aculeata (macauba) a non-edible biodiesel feedstock in Brazil**
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