

Asst. Prof. ABDULAZİZ MOHAMED ATABANI

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666)

Email: a.atabani@erciyes.edu.tr

Web: https://scholar.google.com.tr/citations?user=_TgQcMYAAAAJ&hl=en

Address: Erciyes Üniversitesi, Makine Mühendisliği Bölümü, 38039 Kayseri

Education Information

Doctorate, University Of Malaya, Faculty Of Engineering, Mechanical Engineering, Malaysia 2011 - 2014

Postgraduate, University Of Malaya, Faculty Of Engineering, Mechanical Engineering, Malaysia 2008 - 2010

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

Foreign Languages

Indonesian, A1 Beginner

English, C2 Mastery

Turkish, A1 Beginner

Arabic, C2 Mastery

Dissertations

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

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

Research Areas

Technical Sciences, Mechanical Engineering, Energy, Renewable Energy Systems, Alternative Energy Resources

Academic Titles / Tasks

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2018 - Continues

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2015 - 2018

Lecturer PhD, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2014 - 2015

Advising Theses

MOHAMED ATABANI A. I. , To be announced, Doctorate, M.Ahmed(Student), Continues

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

Mohamed Atabani A., A study on the application of biodiesel–diesel higher alcohol blends with pentanol and octanol in CI (diesel engine), Postgraduate, S.Al(Student), 2019

Mohamed Atabani A. I. , FT-IR, UV-Vis, TGA, DSC characteristics, engine and emissions performance of complementary butanol-diesel blends with hemp (*Cannabis sativa* L.) methyl ester, Postgraduate, M.Noaman(Student), 2018

Mohamed Atabani A., Alternatif Yakıt Olarak Farklı Atıklardan Biyogaz Üretimi ve Veriminin Artırılmasının İncelenmesi, Doctorate, M.RAŞİT(Student), 2018

MOHAMED ATABANI A. I. , Perspective of safflower (*Carthamus tinctorius*) as a potential biodiesel feedstock in Turkey: characterization, engine performance and emissions analyses of butanol-biodiesel-diesel blends, Postgraduate, R.Rafel(Student), 2017

Mohamed Atabani A. I. , Evaluation, characterization and engine performance of complementary fuel blends of butanol-biodiesel-diesel blends from *Aleurites moluccanus* as potential alternative fuels for CI engines, Postgraduate, M.Mekaoussi(Student), 2017

Jury Memberships

Doctoral Examination, Doctoral Examination, Aydın Adnan Menderes Üniversitesi, February, 2021

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 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.
FUEL, vol.304, 2021 (Journal Indexed in SCI)
- 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, vol.301, 2021 (Journal Indexed in SCI)
- 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.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.296, 2021 (Journal Indexed in SCI)
- 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.
JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS, vol.158, 2021 (Journal Indexed in SCI)
- V. **Defatted spent coffee grounds-supported cobalt catalyst as a promising supercapacitor electrode for hydrogen production and energy storage**
KARAKAŞ D. E. , Akdemir M., Atelge M. R. , KAYA M., MOHAMED ATABANI A.
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, 2021 (Journal Indexed in SCI)
- 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.
APPLIED SCIENCES-BASEL, vol.11, no.13, 2021 (Journal Indexed in SCI)
- VII. **Impact of HHO gas enrichment and high purity biodiesel on the performance of a 315 cc diesel engine**
Khan M. B. , Kazim A. H. , Farooq M., Javed K., Shabbir A., Zahid R., Fatima S., Danish M. R. , Ali Q., Chaudhry I. A. , et al.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.37, pp.19633-19644, 2021 (Journal Indexed in SCI)

- 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.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.765, 2021 (Journal Indexed in SCI)
- 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.
International Journal of Hydrogen Energy, vol.46, no.20, pp.11199-11200, 2021 (Journal Indexed in SCI)
- 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.
FUEL, vol.287, 2021 (Journal Indexed in SCI)
- 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.
Renewable and Sustainable Energy Reviews, vol.136, 2021 (Journal Indexed in SCI)
- XII. **Techno-enviro assessment and ranking of Turkey for use of home-scale solar water heaters**
Siampour L., Vahdatpour S., Jahangiri M., Mostafaeipour A., Goli A., Shamsabadi A. A. , MOHAMED ATABANI A.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, vol.43, 2021 (Journal Indexed in SCI)
- 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.
Fuel, vol.285, 2021 (Journal Indexed in SCI)
- XIV. **Anaerobic co-digestion of oil-extracted spent coffee grounds with various wastes: Experimental and kinetic modeling studies**
Atelge M. R. , Mohamed Atabani A., Abut S., Kaya M., Eskicioglu C., Semaan G., Lee C., Yildiz Y. Ş. , Ünalın S., Mohanasundaram R., et al.
BIORESOURCİ TECHNOLOGY, vol.322, 2021 (Journal Indexed in SCI)
- XV. **Wastewater based microalgal biorefinery for bioenergy production: Progress and challenges**
Bhatia S. K. , Mehariya S., Bhatia R. K. , Kumar M., Pugazhendhi A., Awasthi M. K. , Atabani A., Kumar G., Kim W., Seo S., et al.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.751, 2021 (Journal Indexed in SCI)
- XVI. **Editorial preface of the special issue on “progress in alternative fuels and energies”**
MOHAMED ATABANI A.
International Journal of Energy Research, 2021 (Journal Indexed in SCI)
- 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.
FUEL, vol.283, 2021 (Journal Indexed in SCI)
- XVIII. **Spectral, thermoanalytical characterizations, properties, engine and emission performance of complementary biodiesel-diesel-pentanol/octanol blends**
Atabani A., Al Kulthoom S.
Fuel, vol.282, 2020 (Journal Indexed in SCI)
- 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.

- FUEL, vol.279, 2020 (Journal Indexed in SCI)
- 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.
Waste and Biomass Valorization, vol.11, pp.5809-5819, 2020 (Journal Indexed in SCI)
- 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.
BIORESOURCE TECHNOLOGY, vol.314, 2020 (Journal Indexed in SCI)
- XXII. **Experimental insight into co-combustion characteristics of oxygenated biofuels in modified DIC1 engine**
Alagumalai A., Mathimani T., Pugazhendhi A., MOHAMED ATABANI A., Brindhadevi K., Canh N. D.
FUEL, vol.278, 2020 (Journal Indexed in SCI)
- 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**
Atabani A. E. , Kumar G., Kim S.
FUEL, vol.277, 2020 (Journal Indexed in SCI)
- XXIV. **Carbon molecular sieve production from defatted spent coffee ground using ZnCl₂ and benzene for gas purification**
Kaya M., Atelge M. R. , Bekirogullari M., Eskicioglu C., Atabani A., Kumar G., Yıldız Y. Ş. , Ünalın S.
FUEL, vol.277, 2020 (Journal Indexed in SCI)
- XXV. **Assessment of agro-industrial residues for bioenergy potential by investigating thermo-kinetic behavior in a slow pyrolysis process**
Naqvi S. R. , Ali I., Nasir S., Taqvi S. A. A. , MOHAMED ATABANI A., Chen W.
FUEL, vol.278, 2020 (Journal Indexed in SCI)
- XXVI. **Impact of additives in Jet-A fuel blends on combustion, emission and exergetic analysis using a micro-gas turbine engine**
Manigandan S., Atabani A. E. , Ponnusamy V. K. , Gunasekar P.
FUEL, vol.276, 2020 (Journal Indexed in SCI)
- XXVII. **Biodiesel from *Scenedesmus* species: Engine performance, emission characteristics, corrosion inhibition and bioanalysis**
Pugazhendhi A., Arvindnarayan S., Shobana S., Dharmaraja J., Vadivel M., Atabani A. E. , Chang S. W. , Dinh Duc Nguyen D. D. N. , Kumar G.
FUEL, vol.276, 2020 (Journal Indexed in SCI)
- XXVIII. **Effect of hydrogen and multiwall carbon nanotubes blends on combustion performance and emission of diesel engine using Taguchi approach**
Manigandan S., Atabani A. E. , Ponnusamy V. K. , Pugazhendhi A., Gunasekar P., Prakash S.
FUEL, vol.276, 2020 (Journal Indexed in SCI)
- XXIX. **Optimization, kinetic and thermodynamic studies on sustainable biodiesel production from waste cooking oil: An Indian perspective**
Pugazhendhi A., Alagumalai A., Mathimani T., Atabani A.
Fuel, vol.273, 2020 (Journal Indexed in SCI)
- 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.
Energy and Environment, vol.31, no.5, pp.755-784, 2020 (Journal Indexed in SSCI)
- 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.

- BIOMASS CONVERSION AND BIOREFINERY, 2020 (Journal Indexed in SCI)
- XXXII. **A critical review of pretreatment technologies to enhance anaerobic digestion and energy recovery**
Atelge M., Atabani A., Banu J. R., Krisa D., Kaya M., Eskicioglu C., Kumar G., Lee C., Yildiz Y. Ş., Unalan S., et al.
FUEL, vol.270, 2020 (Journal Indexed in SCI)
- 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.
SUSTAINABILITY, vol.12, no.12, 2020 (Journal Indexed in SCI)
- XXXIV. **Biorefinery of spent coffee grounds waste: Viable pathway towards circular bioeconomy**
Rajesh Banu J., Kavitha S., Yukesh Kannah R., Dinesh Kumar M., Preethi P., Atabani A., Kumar G.
Bioresource Technology, vol.302, 2020 (Journal Indexed in SCI)
- XXXV. **A novel *Microcystis aeruginosa* supported manganese catalyst for hydrogen generation through methanolysis of sodium borohydride**
DUMAN F., Atelge M., Kaya M., Atabani A., Kumar G., ŞAHİN U., ÜNALAN S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.23, pp.12755-12765, 2020 (Journal Indexed in SCI)
- 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.
Waste and Biomass Valorization, vol.11, no.3, pp.1017, 2020 (Journal Indexed in SCI)
- XXXVII. **Biogas Production from Organic Waste: Recent Progress and Perspectives**
Atelge M., Krisa D., Kumar G., Eskicioglu C., Nguyen D. D., Chang S. W., Atabani A., Al-Muhtaseb A. H., Ünalán S.
Waste and Biomass Valorization, vol.11, pp.1019-1040, 2020 (Journal Indexed in SCI)
- 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**
Mohammed M., Atabani A., Uguz G., Lay C., Kumar G., Al-Samarae R.
Waste and Biomass Valorization, vol.11, pp.1097-1113, 2020 (Journal Indexed in SCI)
- XXXIX. **Editorial preface to the special issue on "The 3rd International Conference on Alternative Fuels, Energy and Environment: Futures and challenges (ICAFEE 2018)" 28th–31st October 2018, Nanjing, People's Republic of China**
Atabani A., Kumar G.
International Journal of Hydrogen Energy, vol.45, no.10, pp.5757-5759, 2020 (Journal Indexed in SCI)
- XL. **Experimental investigation of effects on performance, emissions and combustion parameters of biodiesel–diesel–butanol blends in a direct-injection CI engine**
Örs İ., Sarıkoç S., Atabani A., Ünalán S.
Biofuels, vol.11, no.2, pp.121-134, 2020 (Journal Indexed in SCI)
- XLI. **A compressive review on the effects of alcohols and nanoparticles as an oxygenated enhancer in compression ignition engine**
Nanthagopal K., Kishna R. S., Atabani A., Al-Muhtaseb A. H., Kumar G., Ashok B.
Energy Conversion and Management, vol.203, 2020 (Journal Indexed in SCI)
- XLII. **Synthesis and evaluation of oxidation stability of biodiesel prepared from spent bleaching clay residual oil**
Panhwar T., Mahesar S. A., Sherazi S. T. H., Laghari A. A., MOHAMED ATABANI A.
Journal of Oleo Science, vol.69, no.12, pp.1619-1626, 2020 (Journal Indexed in SCI)
- XLIII. **Biobutanol from lignocellulosic biomass: bioprocess strategies**
Dharmaraja J., Shobana S., Arvindnarayan S., Vadivel M., MOHAMED ATABANI A., Pugazhendhi A., Kumar G.
LIGNOCELLULOSIC BIOMASS TO LIQUID BIOFUELS, pp.169-193, 2020 (Journal Indexed in SCI)
- XLIV. **Improved project control for sustainable development of construction sector to reduce environment risks**
Malik S., Fatima F., Imran A., Chuah L. F., Klemeš J. J., Khaliq I. H., Asif S., Aslam M., Jamil F., Durrani A. K., et al.
Journal of Cleaner Production, vol.240, 2019 (Journal Indexed in SCI)

- XLV. **Harvesting of blooming microalgae using green synthesized magnetic maghemite (γ -Fe₂O₃) nanoparticles for biofuel production**
Duman F., Şahin U., Atabani A.
Fuel, vol.256, 2019 (Journal Indexed in SCI Expanded)
- 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.
FUEL, vol.254, 2019 (Journal Indexed in SCI)
- XLVII. **Fuels properties, characterizations and engine and emission performance analyses of ternary waste cooking oil biodiesel–diesel–propanol blends**
Bencheikh K., Atabani A., Shobana S., Mohammed M., Uğuz G., Arpa O., Kumar G., Ayanoğlu A., Bokhari A.
Sustainable Energy Technologies and Assessments, vol.35, pp.321-334, 2019 (Journal Indexed in SCI)
- XLVIII. **Anaerobic membrane bioreactors for wastewater treatment: Novel configurations, fouling control and energy considerations**
Maaz M., Yasin M., Aslam M., Kumar G., Atabani A. I., Idrees M., Anjum F., Jamil F., Ahmad R., Khan A. L., et al.
BIORESOURCETECHNOLOGY, vol.283, pp.358-372, 2019 (Journal Indexed in SCI)
- 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**
Atabani A. I., Shobana S., Mohammed M. N., Uguz G., Kumar G., Arvindnarayan S., Aslam M., Al-Muhtaseb A. H.
FUEL, vol.244, pp.419-430, 2019 (Journal Indexed in SCI)
- L. **Engine performance, emission and bio characteristics of rice bran oil derived biodiesel blends**
Dharmaraja J., Dinh Duc Nguyen D. D. N., Shobana S., Saratale G. D., Arvindnarayan S., Atabani A. I., Chang S. W., Kumar G.
FUEL, vol.239, pp.153-161, 2019 (Journal Indexed in SCI)
- LI. **Preface to the Special Issue on “The 2nd International Conference on Alternative Fuels and Energy: Future and Challenges (ICAFE 2017), 23rd–25th October 2017, Daegu, Republic of Korea”**
Atabani A., Arpornwichanop A., Raza R., Saratale G., Kobayashi T.
International Journal of Hydrogen Energy, vol.44, no.4, pp.2079-2080, 2019 (Journal Indexed in SCI)
- LII. **The effects on performance, combustion and emission characteristics of DICl engine fuelled with TiO₂ nanoparticles addition in diesel/biodiesel/n-butanol blends**
Ors I., Sarikoc S., Atabani A. I., ÜNALAN S., AKANSU S. O.
FUEL, vol.234, pp.177-188, 2018 (Journal Indexed in SCI)
- LIII. **“5th International Conference on Emerging and Renewable Energy: Generation and Automation” (ICEREGA’17), 4–6 July 2017, Belfort, France**
Becherif M., Ramadan H. S. M., Atabani A., Çarpınlioğlu M.
International Journal of Hydrogen Energy, vol.43, no.25, pp.11431, 2018 (Journal Indexed in SCI)
- LIV. **Valorization of spent coffee grounds recycling as a potential alternative fuel resource in Turkey: An experimental study**
Atabani A., Mercimek S., Arvindnarayan S., Shobana S., Kumar G., Çadır M., Al-Muhtaseb A. H.
Journal of the Air and Waste Management Association, vol.68, pp.196-214, 2018 (Journal Indexed in SCI)
- LV. **Biodiesel production by valorizing waste Phoenix dactylifera L. Kernel oil in the presence of synthesized heterogeneous metallic oxide catalyst (Mn@MgO-ZrO₂)**
Jamil F., Al-Muhtaseb A. H., Myint M. T. Z., Al-Hinai M., Al-Haj L., Baawain M., Al-Abri M., Kumar G., Atabani A. I.
ENERGY CONVERSION AND MANAGEMENT, vol.155, pp.128-137, 2018 (Journal Indexed in SCI)
- LVI. **Transesterification of croton megalocarpus oil to biodiesel over WO₃ supported on silica mesoporous-macroparticles catalyst**
Aziz M. A. A., Puad K., Triwahyono S., Jalil A. A., Khayoon M. S., Atabani A. I., Ramli., Majid Z. A., Prasetyoko D., Hartanto D.
CHEMICAL ENGINEERING JOURNAL, vol.316, pp.882-892, 2017 (Journal Indexed in SCI)
- LVII. **A review of thermochemical conversion of microalgal biomass for biofuels: chemistry and processes**
Kumar G., Shobana S., Chen W., Bach Q., Kim S., Atabani A. I., Chang J.

GREEN CHEMISTRY, vol.19, no.1, pp.44-67, 2017 (Journal Indexed in SCI)

- LVIII. **Production, characterization, engine performance and emission characteristics of Croton megalocarpus and Ceiba pentandra complementary blends in a single-cylinder diesel engine**
Ruhul A. M. , Kalam M. A. , Masjuki H. H. , Alabdulkarem A. , Atabani A. I. , Fattah I. M. R. , Abedin M. J.
RSC ADVANCES, vol.6, no.29, pp.24584-24595, 2016 (Journal Indexed in SCI)
- LIX. **The prospects of using Acrocomia aculeata (macauba) a non-edible biodiesel feedstock in Brazil**
César A. d. S. , Almeida F. d. A. , de Souza R. P. , Silva G. C. , Atabani A. I.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.49, pp.1213-1220, 2015 (Journal Indexed in SCI)
- LX. **Influence of biodiesel blending on physicochemical properties and importance of mathematical model for predicting the properties of biodiesel blend**
Wakil M. A. , Kalam M. A. , Masjuki H. H. , Atabani A. I. , Fattah I. M. R.
ENERGY CONVERSION AND MANAGEMENT, vol.94, pp.51-67, 2015 (Journal Indexed in SCI)
- LXI. **Physicochemical characterization and thermal behavior of biodiesel and biodiesel-diesel blends derived from crude Moringa peregrina seed oil**
Salaheldeen M., Aroua M. K. , Mariod A. A. , Cheng S. F. , Abdelrahman M. A. , Atabani A. I.
ENERGY CONVERSION AND MANAGEMENT, vol.92, pp.535-542, 2015 (Journal Indexed in SCI)
- LXII. **Ceiba pentandra, Nigella sativa and their blend as prospective feedstocks for biodiesel**
Khan T. M. Y. , Atabani A. I. , Badruddin I. A. , Ankalgi R. F. , Khan T. K. M. , Badarudin A.
INDUSTRIAL CROPS AND PRODUCTS, vol.65, pp.367-373, 2015 (Journal Indexed in SCI)
- LXIII. **Pangium edule Reinw: A Promising Non-edible Oil Feedstock for Biodiesel Production**
Atabani A. I. , Badruddin I. A. , Masjuki H. H. , Chong W. T. , Lee K. T.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.40, no.2, pp.583-594, 2015 (Journal Indexed in SCI)
- LXIV. **Biodiesel production, characterization, diesel engine performance, and emission characteristics of methyl esters from Aphanamixis polystachya oil of Bangladesh**
Palash S. M. , Masjuki H. H. , Kalam M. A. , Atabani A. I. , Fattah I. M. R. , Sanjid A.
ENERGY CONVERSION AND MANAGEMENT, vol.91, pp.149-157, 2015 (Journal Indexed in SCI)
- LXV. **Synthetic phenolic antioxidants to biodiesel: path toward NO_x reduction of an unmodified indirect injection diesel engine**
Fattah I. M. R. , Hassan M. H. , Kalam M. A. , Atabani A. I. , Abedin M. J.
JOURNAL OF CLEANER PRODUCTION, vol.79, pp.82-90, 2014 (Journal Indexed in SCI)
- LXVI. **Recent scenario and technologies to utilize non-edible oils for biodiesel production**
Khan T. M. Y. , Atabani A. I. , Badruddin I. A. , Badarudin A. , Khayoond M. S. , Triwahyono S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.37, pp.840-851, 2014 (Journal Indexed in SCI)
- LXVII. **Effect of Croton megalocarpus, Calophyllum inophyllum, Moringa oleifera, palm and coconut biodiesel-diesel blending on their physico-chemical properties**
Atabani A. I. , Mofijur M., Masjuki H. H. , Badruddin I. A. , Kalam M. A. , Chong W. T.
INDUSTRIAL CROPS AND PRODUCTS, vol.60, pp.130-137, 2014 (Journal Indexed in SCI)
- LXVIII. **Calophyllum inophyllum L. - A prospective non-edible biodiesel feedstock. Study of biodiesel production, properties, fatty acid composition, blending and engine performance**
Atabani A. I. , César A. d. S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.37, pp.644-655, 2014 (Journal Indexed in SCI)
- LXIX. **Properties and use of Moringa oleifera biodiesel and diesel fuel blends in a multi-cylinder diesel engine**
Mofijur M., Masjuki H. H. , Kalam M. A. , Atabani A. I. , Arbab M. I. , Cheng S. F. , Gouk S. W.
ENERGY CONVERSION AND MANAGEMENT, vol.82, pp.169-176, 2014 (Journal Indexed in SCI)
- LXX. **Performance and emission analysis of Jatropha curcas and Moringa oleifera methyl ester fuel blends in a multi-cylinder diesel engine**
Rahman M. M. , Hassan M. H. , Kalam M. A. , Atabani A. I. , Memon L. A. , Rahman S. M. A.
JOURNAL OF CLEANER PRODUCTION, vol.65, pp.304-310, 2014 (Journal Indexed in SCI)
- LXXI. **Comparative evaluation of performance and emission characteristics of Moringa oleifera and Palm oil based biodiesel in a diesel engine**

- Mofijur M., Masjuki H. H. , Kalam M. A. , Atabani A. I. , Fattah I. M. R. , Mobarak H. M.
INDUSTRIAL CROPS AND PRODUCTS, vol.53, pp.78-84, 2014 (Journal Indexed in SCI)
- LXXII. **Effect of biodiesel from various feedstocks on combustion characteristics, engine durability and materials compatibility: A review**
Mofijur M., Masjuki H. H. , Kalam M. A. , Atabani A. I. , Shahabuddin M., Palash S. M. , Hazrat M. A.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.28, pp.441-455, 2013 (Journal Indexed in SCI)
- LXXIII. **Fuel Properties of Croton megalocarpus, Calophyllum inophyllum, and Cocos nucifera (coconut) Methyl Esters and their Performance in a Multicylinder Diesel Engine**
Atabani A. I. , Badruddin I. A. , Mahlia T. M. I. , Masjuki H. H. , Mofijur M., Lee K. T. , Chong W. T.
ENERGY TECHNOLOGY, vol.1, no.11, pp.685-694, 2013 (Journal Indexed in SCI)
- LXXIV. **A comparative evaluation of physical and chemical properties of biodiesel synthesized from edible and non-edible oils and study on the effect of biodiesel blending**
Atabani A. I. , Mahlia T. M. I. , Masjuki H. H. , Badruddin I. A. , Yussof H. W. , Chong W. T. , Lee K. T.
ENERGY, vol.58, pp.296-304, 2013 (Journal Indexed in SCI)
- LXXV. **A study on the effects of promising edible and non-edible biodiesel feedstocks on engine performance and emissions production: A comparative evaluation**
Mofijur M., Atabani A. I. , Masjuki H. H. , Kalam M. A. , Masum B. M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.23, pp.391-404, 2013 (Journal Indexed in SCI)
- LXXVI. **Evaluation of biodiesel blending, engine performance and emissions characteristics of Jatropha curcas methyl ester: Malaysian perspective**
Mofijur M., Masjuki H. H. , Kalam M. A. , Atabani A. I.
ENERGY, vol.55, pp.879-887, 2013 (Journal Indexed in SCI)
- LXXVII. **A global comparative review of biodiesel production from jatropha curcas using different homogeneous acid and alkaline catalysts: Study of physical and chemical properties**
Silitonga A., Masjuki H., Mahlia T., Ong H., Atabani A., Chong W.
Renewable and Sustainable Energy Reviews, vol.24, pp.514-533, 2013 (Journal Indexed in SCI)
- LXXVIII. **Investigation of physical and chemical properties of potential edible and non-edible feedstocks for biodiesel production, a comparative analysis**
Atabani A. I. , Badruddin I. A. , Masjuki H. H. , Chong W. T. , Mahlia T. M. I. , Lee K. T.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.21, pp.749-755, 2013 (Journal Indexed in SCI)
- LXXIX. **Non-edible vegetable oils: A critical evaluation of oil extraction, fatty acid compositions, biodiesel production, characteristics, engine performance and emissions production**
Atabani A. I. , Silitonga A. S. , Ong H. C. , Mahlia T. M. I. , Masjuki H. H. , Badruddin I. A. , Fayaz H.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.18, pp.211-245, 2013 (Journal Indexed in SCI)
- LXXX. **Cost benefit analysis and environmental impact of fuel economy standards for passenger cars in Indonesia**
Atabani A. I. , Silitonga A. S. , Mahlia T. M. I.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.16, no.5, pp.3547-3558, 2012 (Journal Indexed in SCI)
- LXXXI. **A comprehensive review on biodiesel as an alternative energy resource and its characteristics**
Atabani A., Silitonga A., Badruddin I. A. , Mahlia T., Masjuki H., Mekhilef S.
Renewable and Sustainable Energy Reviews, vol.16, no.4, pp.2070-2093, 2012 (Journal Indexed in SCI)
- LXXXII. **Review on fuel economy standard and label for vehicle in selected ASEAN countries**
Silitonga A. S. , Atabani A. I. , Mahlia T. M. I.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.16, no.3, pp.1683-1695, 2012 (Journal Indexed in SCI)
- LXXXIII. **Techno-economic analysis and environmental impact of fuel economy labels for passenger cars in Indonesia**
Silitonga A. S. , Atabani A. I. , Mahlia T. M. I. , Sebayang A. H.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.15, no.9, pp.5212-5217, 2011 (Journal Indexed in SCI)
- LXXXIV. **A review on global fuel economy standards, labels and technologies in the transportation sector**
Atabani A. I. , Badruddin I. A. , Mekhilef S., Silitonga A. S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.15, no.9, pp.4586-4610, 2011 (Journal Indexed in SCI)

- LXXXV. **A review on prospect of *Jatropha curcas* for biodiesel in Indonesia**
Silitonga A. S. , Atabani A. I. , Mahlia T. M. I. , Masjuki H. H. , Badruddin I. A. , Mekhilef S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.15, no.8, pp.3733-3756, 2011 (Journal Indexed in SCI)
- LXXXVI. **A review on biomass as a fuel for boilers**
Saidur R., Abdelaziz E. A. , Demirbas A., Hossain M. S. , Mekhilef S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.15, no.5, pp.2262-2289, 2011 (Journal Indexed in SCI)
- LXXXVII. **A review on electrical and thermal energy for industries**
Saidur R., Atabani A. I. , Mekhilef S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.15, no.4, pp.2073-2086, 2011 (Journal Indexed in SCI)
- LXXXVIII. **A review on energy saving strategies in industrial sector**
Abdelaziz E. A. , Saidur R., Mekhilef S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.15, no.1, pp.150-168, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Fuel stability of biodiesel from waste cooking oil: A comparative evaluation with various antioxidants using FT-IR and DSC techniques**
Uğuz G., Atabani A., Mohammed M., Shobana S., Uğuz S., Kumar G., Al-Muhtaseb A. H.
Biocatalysis and Agricultural Biotechnology, vol.21, 2019 (Journal Indexed in ESCI)
- II. **Integrated valorization of *Moringa oleifera* and waste *Phoenix dactylifera* L. dates as potential feedstocks for biofuels production from Algerian Sahara: An experimental perspective**
Boulal A., Atabani A., Mohammed M., Khelafi M., Uguz G., Shobana S., Bokhari A., Kumar G.
Biocatalysis and Agricultural Biotechnology, vol.20, 2019 (Journal Indexed in ESCI)
- III. **Synthesis of Biodiesel via Pre-blending of feedstocks: An Optimization through Polynomial Curve Fitting Method**
Panhwar T., Ahmed Mahesar S., Ahmed Kandhro A., Laghari A., Tufail Hussain Sherazi S., Atabani A. I.
Biofuels, vol.1, no.1, pp.1-10, 2018 (Journal Indexed in ESCI)
- IV. **Optimization of the esterification process of crude *Jatropha* oil (CJO) containing high levels of free fatty acids: a Malaysian case study**
Farouk H., Zahraee S. M. , Atabani A. I. , Jaafar M. N. M. , Alhassan F. H.
Biofuels, vol.1, pp.1-8, 2017 (Journal Indexed in ESCI)
- V. **Perspective of safflower (*Carthamus tinctorius*) as a potential biodiesel feedstock in Turkey: characterization, engine performance and emissions analyses of butanol-biodiesel-diesel blends**
Al-Samarrae R., Atabani A. I. , Uguz G., Kumar G., Arpa O., Ayanoglu A., Mohammed M., Farouk H.
Biofuel, vol.11, no.6, pp.715-731, 2017 (Journal Indexed in ESCI)
- VI. **Transesterification of *Moringa oleifera* oil to biodiesel using potassium fluoride loaded eggshell as catalyst**
Aziz M., Triwahyono S., Jalil A., Rapai H., ATABANI A. I.
Malaysian Journal of Catalysis, vol.1, no.1, pp.1-5, 2016 (International Refereed University Journal)
- VII. **A study of production and characterization of Manketti (*Ricinodendron rautonemii*) methyl ester and its blends as a potential biodiesel feedstock**
Atabani A. I. , Mofijur M., Masjuki H., Badruddin I. A. , Chong W., Cheng S., Gouk S.
Biofuel Research Journal, vol.1, no.4, pp.139-146, 2014 (Refereed Journals of Other Institutions)
- VIII. **A study of biodiesel production from crude *Jatropha* oil (CJO) with high level of free fatty acids**
Farouk H., Jaafar M. N. M. , Atabani A.
Jurnal Teknologi (Sciences and Engineering), vol.69, no.3, pp.65-72, 2014 (Refereed Journals of Other Institutions)
- IX. **A study of energy efficiency, economic and environmental benefits of a cooling tower**
Saidur R., Abdelaziz E., Hasanuzzaman M., Mamun M.
International Journal of Mechanical and Materials Engineering, vol.5, no.1, pp.87-94, 2010 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Valorization of Waste Date Seeds for Green Carbon Catalysts and Biodiesel Synthesis**
AlMuhtaseb A. H. , Jamil F., Al Haj L., Mahmoud E., Becherif M., Rashid U., Rafiq S., MOHAMED A. E. A. , Kumar G.
in: Sustainable Agriculture Reviews, Naushad Mu, Lichtfouse Eric, Editor,
https://link.springer.com/chapter/10.1007/978-3-030-11345-2_6, pp.105-123, 2019
- II. **19 - Extraction and Utilization of Sudanese Acacia Senegale Seeds (Gum Arabic) Oil for Biodiesel Production in Sudan**
Hamed M. A. , Hassan E. A. , Atabani A. I.
in: Gum Arabic Structure, Properties, Application and Economics, Mariod A.A, Editor, Academic Press , Amsterdam, pp.229-236, 2018
- III. **19 - Extraction and Utilization of Sudanese Acacia Senegale Seeds (Gum Arabic) Oil for Biodiesel Production in Sudan**
Hamed M. A. , Hassan E. A. , MOHAMED A. E. A.
in: Gum ArabicStructure, Properties, Application and Economics, Mariod Mariod, Editor,
<https://www.sciencedirect.com/science/article/pii/B9780128120026000191>, pp.229-236, 2018
- IV. **Edible and Nonedible Biodiesel Feedstocks: Microalgae and Future of Biodiesel**
MOHAMED A. E. A. , El Sheekh M., Kumar G., Shobana S.
in: Clean Energy for Sustainable Development, Mohammad G. Rasul, Abul kalam Azad, Subhash C. Sharma, Editor,
<https://www.sciencedirect.com/science/article/pii/B978012805423900017X?via3Dihub!>, pp.507-556, 2017
- V. **Edible and Nonedible Biodiesel Feedstocks: Microalgae and Future of Biodiesel**
ATABANI A. I. , El-Sheekh M., Kumar G., Shobana S.
in: CLEAN ENERGY FOR SUSTAINABLE DEVELOPMENT Comparisons and Contrasts of New Approaches, MOHAMMAD G. RASUL, ABUL KALAM AZAD, SUBHASH C. SHARMA, Editor, Academic Press Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.507-556, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **The Effect On Performance And Emission Parameters Of Diesel- Biodiesel-Butanol Blend**
SARIKOÇ S., Örs İ., Atabani A. I. , ÜNALAN S.
6th International Conference on Renewable Fuels, Combustion and Fire (FCE`17), Nevşehir, Turkey, 18 - 21 May 2017, vol.6, pp.1
- II. **Biomethane Recovery From Anaerobic Co- Digestion of Sewage Sludge and Waste Coffee**
Atelge M., Atabani A. I. , Kumar G., ÜNALAN S.
6th International Conference on Renewable Fuels, Combustion and Fire (FCE`17), Nevşehir, Turkey, 18 - 21 May 2017, vol.6, pp.1
- III. **Using in a CI engine of Biodiesel Production from Waste Cooking Oil**
Örs İ., SARIKOÇ S., MOHAMED ATABANI A. I. , ÜNALAN S.
6 th International Conference on Renewable Fuels Combustion and Fire, Nevşehir, Turkey, 18 - 21 May 2017, pp.45-50
- IV. **HEMP (CANNABIS SATIVA) AND SAFFLOWER (CARTHAMUS TINCTORIUS) AS POTENTIAL BIODIESEL FEEDSTOCKS IN TURKEY**
Al-Samaraae R., Mohammed M., ATABANI A. I.
The 1st International Conference on Alternative Fuels: Future and Challenges, Kayseri, Turkey, 2 - 04 December 2016, vol.1, pp.57
- V. **INVESTIGATION OF WASTE COFFEE AS A POTENTIAL BIODIESEL RESOURCE IN TURKEY**
Mercimek S., ATABANI A. I.
The 1st International Conference on Alternative Fuels: Future and Challenges, Kayseri, Turkey, 2 - 04 December 2016, vol.1, pp.9
- VI. **STUDY ON PHYSICAL AND CHEMICAL PROPERTIES OF BIODIESEL- BUTANOL-DIESEL OBTAINED**

FROM WASTE COOKING OIL

SARIKOÇ S., MOHAMED ATABANI A. I. , ÜNALAN S.

The 1st International Conference on Alternative Fuels: Future and Challenges, Kayseri, Turkey, 1 - 04 December 2016, vol.1, no.1, pp.14

VII. A COMPARATIVE STUDY OF PHYSICAL AND CHEMICAL PROPERTIES OF CANOLA BIODIESEL-BUTANOL-DIESEL BLENDS, CANOLA BIODIESEL-METHANOL-DIESEL BLENDS AND CANOLA BIODIESEL-ETHANOL-DIESEL BLENDS

ATABANI A. I. , Mercimek S.

The 1st International Conference on Alternative Fuels: Future and Challenges, Kayseri, Turkey, 2 - 04 December 2016, vol.1, pp.10

VIII. Status of Alternative Biofuels In Turkey, Past and Future Perspectives

SARIKOÇ S., MOHAMED ATABANI A. I. , ÜNALAN S.

9th INTERNATIONAL CONFERENCE ON SUSTAINABLEENERGYAND ENVIRONMENTAL PROTECTION, Kayseri, Turkey, 22 - 25 September 2016, vol.9, no.9, pp.569

IX. Effect of Biodiesel-Diesel Blending on Physico-Chemical Properties of Biodiesel produced from Moringa oleifera

Mofijur M., Masjuki H. H. , Kalam M. A. , Rasul M. G. , Atabani A. I. , Hazrat M. A. , Mahmudul H. M.

The 6th BSME International Conference on Thermal Engineering, Dhaka, Bangladesh, 19 - 21 December 2014, vol.105, pp.665-669

X. Energy economical and environmental analysis of industrial boilers using VSD

Atabani A., Saidur R., Silitonga A., Mahlia T.

2nd International Conference on Mechanical and Aerospace Engineering, ICMAE 2011, Bangkok, Thailand, 29 - 31 July 2011, pp.3223-3233

Supported Projects

Öner İ. V. , Mohamed Atabani A., Project Supported by Higher Education Institutions, Kullanılmış Lastik Atıklarından Alternatif Yakıt Üretimi Ve Karakterizasyonu İle İçten Yanmalı Motorlardaki Uygulamalarının Araştırılması, 2020 - 2021
MOHAMED ATABANI A., ÜNALAN S., YILDIZ Y. Ş. , DUMAN F., ESKICIOGLU C., KUMAR G., KAYA M., ATELGE M. R. , LEE C., RANGANATHAN D. M. , Project Supported by Higher Education Institutions, Valorization of recycling waste into biofuels experimental and modeling aspects, 2018 - 2020

ÜNALAN S., MOHAMED A., SARIKOÇ S., ABDELRAHEEM ELHAJ H. F. , EFE Ş., CHAN S., RASHİD U., TABATABAEİ M., ÖRS İ., Project Supported by Higher Education Institutions, Biyodizel yakıtlı CI motorun yanma ve emisyonlarının karakteristiği motor performansı katkı maddelerinin fiziksel ve kimyasal özellikleri üzerine etkileri, 2015 - 2017

MOHAMED ATABANI A., ABDELRAHEEM ELHAJ H. F. , SARIKOÇ S., ÜNALAN S., TRIWAHYONO S., EFE Ş., ÖRS İ., Project Supported by Higher Education Institutions, 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 - 2017

Activities in Scientific Journals

Fuel, Special Issue Editor, 2018 - Continues

Biofuels, Committee Member, 2018 - Continues

International Journal of Hydrogen Energy, Special Issue Editor, 2017 - Continues

Energy and Environment, Special Issue Editor, 2017 - Continues

Waste and Biomass Valorization, Special Issue Editor, 2017 - Continues

Malaysian Journal of Catalysis, Assistant Editor, 2017 - Continues

International Journal of Energy Applications and Technologies, Publication Committee Member, 2017 - Continues

International Journal of Hydrogen Energy, Special Issue Editor, 2017 - 2017

Biofuel Research Journal, Editor, 2014 - 2017

Scientific Refereeing

ENERGY, SCI Journal, May 2019
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, May 2019
Biomass and Bioenergy, SCI Journal, February 2019
International Journal of Hydrogen Energy, SCI Journal, December 2018
International Journal of Hydrogen Energy, SCI Journal, December 2018
Bioresource Technology, SCI Journal, December 2018
Waste and Biomass Valorization, SCI Journal, December 2018
International Journal of Hydrogen Energy , SCI Journal, November 2018
International Journal of Hydrogen Energy, SCI Journal, November 2018
Fuel, SCI Journal, October 2018
Fuel, SCI Journal, October 2018
International Journal of Hydrogen Energy, SCI Journal, September 2018
Fuel, SCI Journal, August 2018
Biofuels, Bioproducts & Biorefining, SCI Journal, July 2018
Renewable Energy , SCI Journal, April 2018
Fuel, SCI Journal, April 2018
Waste and Biomass Valorization , SCI Journal, April 2018
Renewable Energy, SCI Journal, March 2018
Fuel, SCI Journal, March 2018
Renewable Energy, SCI Journal, March 2018
Data in Brief, Journal Indexed in SSCI, March 2018
Waste and Biomass Valorization, SCI Journal, February 2018
Data in Brief, Journal Indexed in SSCI, February 2018
Iranian Journal of Chemistry and Chemical Engineering (IJCCE), SCI Journal, February 2018
Engineering Science and Technology, an International Journal, SCI Journal, February 2018
Industrial Crops and Products, SCI Journal, February 2018
Renewable Energy, SCI Journal, February 2018
Fuel, SCI Journal, February 2018
Environmental Science and Pollution Research, SCI Journal, January 2018
Fuel, SCI Journal, January 2018
Renewable Energy, SCI Journal, January 2018
Bioresource Technology, SCI Journal, January 2018
Engineering Science and Technology, Journal Indexed in SSCI, January 2018
International Journal of Industrial Chemistry (IJIC), SCI Journal, December 2017
Fuel, SCI Journal, December 2017
Renewable Energy, SCI Journal, December 2017
Fuel, SCI Journal, December 2017
Fuel, SCI Journal, December 2017
Fuel, SCI Journal, November 2017
Renewable Energy, SCI Journal, November 2017
Fuel, SCI Journal, November 2017
Green Processing and Synthesis, SCI Journal, November 2017
Energy Technology, SCI Journal, November 2017
Renewable Energy, SCI Journal, November 2017
Fuel, SCI Journal, October 2017
Fuel, SCI Journal, September 2017
Environmental Science and Pollution Research, SCI Journal, September 2017
Energy, SCI Journal, September 2017
Waste and Biomass Valorization, SCI Journal, September 2017

International Journal of Green Energy, SCI Journal, September 2017
South African Journal of Chemical Engineering, SCI Journal, September 2017
Energy, SCI Journal, September 2017
Fuel, SCI Journal, September 2017
International Journal of Green Energy, SCI Journal, September 2017
Renewable Energy, SCI Journal, September 2017
Environmental Science and Pollution Research , SCI Journal, August 2017
Renewable Energy, SCI Journal, August 2017
Fuel, SCI Journal, July 2017
Environmental Science and Pollution Research, SCI Journal, July 2017
Atmospheric Pollution Research, SCI Journal, July 2017
Fuel, SCI Journal, July 2017
Renewable Energy, SCI Journal, July 2017
Energy & Fuels , SCI Journal, July 2017
South African Journal of Chemical Engineering, SCI Journal, June 2017
Energy, SCI Journal, June 2017
Renewable Energy, SCI Journal, June 2017
International Journal of Industrial Chemistry, SCI Journal, June 2017
Renewable Energy, SCI Journal, June 2017
Fuel, SCI Journal, June 2017
Renewable Energy, SCI Journal, May 2017
Preparative Biochemistry and Biotechnology, SCI Journal, May 2017
Energy Conversion and Management, SCI Journal, May 2017
Environmental Science and Pollution Research, SCI Journal, May 2017
Energy & Fuels, SCI Journal, May 2017
Transportation Research Part D: Transport and Environment, SCI Journal, March 2017
Industrial Crops and Products, SCI Journal, February 2017
Fuel, SCI Journal, February 2017
Journal of Cleaner Production, SCI Journal, February 2017
Renewable Energy, SCI Journal, December 2016
Fuel, SCI Journal, September 2016
Case Studies in Thermal Engineering, SCI Journal, September 2016
Fuel, SCI Journal, September 2016
Fuel, SCI Journal, August 2016
Fuel, SCI Journal, August 2016
Energy Conversion and Management, SCI Journal, June 2016
Energy & Fuels, SCI Journal, June 2016
Fuel Processing Technology, SCI Journal, June 2016
Renewable Energy, SCI Journal, June 2016
Industrial Crops and Products, SCI Journal, June 2016
Energy, SCI Journal, June 2016
Energy Technology, SCI Journal, May 2016
Fuel, SCI Journal, May 2016
Fuel, SCI Journal, May 2016
Bioresource Technology, SCI Journal, April 2016
Waste and Biomass Valorization, SCI Journal, April 2016
Journal of Cleaner Production, SCI Journal, April 2016
Journal of Cleaner Production, SCI Journal, February 2016
Fuel, SCI Journal, February 2016
Energy, SCI Journal, January 2016
Fuel, SCI Journal, January 2016

Renewable Energy, SCI Journal, January 2016
Energy, SCI Journal, December 2015
Fuel, SCI Journal, December 2015
Energy Conversion and Management, SCI Journal, December 2015
Journal of Cleaner Production, SCI Journal, November 2015
Industrial Crops and Products, SCI Journal, November 2015
Energy, SCI Journal, October 2015
Fuel, SCI Journal, October 2015
Fuel, SCI Journal, October 2015
Fuel, SCI Journal, September 2015
Renewable Energy, SCI Journal, September 2015
Renewable Energy, SCI Journal, August 2015
Journal of Cleaner Production, SCI Journal, August 2015
Fuel, SCI Journal, August 2015
Energy, SCI Journal, August 2015
Energy Conversion and Management, SCI Journal, July 2015
Renewable Energy, SCI Journal, June 2015
Energy, SCI Journal, May 2015
Renewable Energy, SCI Journal, May 2015
Renewable Energy, SCI Journal, May 2015
Renewable Energy, SCI Journal, May 2015
TRANSPORT POLICY, SCI Journal, May 2015
Energy & Fuels, SCI Journal, May 2015
Energy Conversion and Management, SCI Journal, April 2015
Journal of Cleaner Production, SCI Journal, February 2015
Journal of Cleaner Production, SCI Journal, January 2015
Renewable and Sustainable Energy Reviews, SCI Journal, January 2015
Industrial Crops and Products, SCI Journal, January 2015
Fuel, SCI Journal, October 2014
Energy Conversion and Management, SCI Journal, October 2014
Fuel, SCI Journal, October 2014
Energy Conversion and Management, SCI Journal, September 2014
Fuel, SCI Journal, September 2014
Energy Conversion and Management, SCI Journal, September 2014
Energy Conversion and Management, SCI Journal, August 2014
Energy Technology, SCI Journal, August 2014
International Journal of Industrial Chemistry, SCI Journal, August 2014
Fuel, SCI Journal, July 2014
Energy Conversion and Management, SCI Journal, June 2014
Energy Conversion and Management, SCI Journal, June 2014
Journal of Cleaner Production, SCI Journal, June 2014
Fuel, SCI Journal, April 2014
Energy, SCI Journal, March 2014
Energy Conversion and Management, SCI Journal, March 2014
Energy, SCI Journal, January 2014
Energy, SCI Journal, December 2013
Industrial Crops and Products, SCI Journal, December 2013
Energy Conversion and Management, SCI Journal, November 2013
Energy Conversion and Management, SCI Journal, August 2013
Industrial Crops and Products, SCI Journal, August 2012

Edit Congress and Symposium Activities

The 3rd International Conference on Alternative Fuels, Energy and Environment: Future and Challenges (ICAFEE2018), Attendee, Nanjing, China, 2018

The 2nd International Conference on Alternative Fuels and Energy: Future and Challenges (ICAFE2017), Attendee, Daegu, South Korea, 2017

The 1st International Conference on Alternative Fuels: Future and Challenges (ICAF2016), Attendee, Kayseri, Turkey, 2016

4th "International Conference on Renewable Energy: Generation and Applications" ICREGA'16, Session Moderator, Belfort, France, 2016

Citations

Total Citations (WOS):4937

h-index (WOS):29

Scholarships

Bright Spark (BS), PhD, University, 2011 - Continues

Awards

MOHAMED ATABANI A. I. , Recognized reviewer, ACS Publications, September 2017

MOHAMED ATABANI A. I. , Recognized reviewer, Elsevier, February 2017

MOHAMED ATABANI A. I. , Outstanding Reviewer, Elsevier, October 2016

MOHAMED ATABANI A. I. , Recognized reviewer, Elsevier, June 2016

MOHAMED ATABANI A. I. , Recognized reviewer, Elsevier, September 2015

MOHAMED ATABANI A. I. , Young Conference Scholarship (presentation), German Jordanian University (GJU), Jordan, May 2015