

Dr. Öğr. Üyesi ABDULAZİZ ATABANI

Kişisel Bilgiler

İş Telefonu: [+90 352 207 6666](tel:+903522076666)

E-posta: a.atabani@erciyes.edu.tr

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

Posta Adresi: Erciyes Üniversitesi, Makine Mühendisliği Bölümü, 38039 Kayseri

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0001-6793-5589

Publons / Web Of Science ResearcherID: L-5926-2019

ScopusID: 36987884200

Yoksis Araştırmacı ID: 230202

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

İngilizce, C2 Ustalık

Arapça, C2 Ustalık

Türkçe, A1 Başlangıç

Endonezyaca, A1 Başlangıç

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
- Mohamed Atabani A., A study on the application of biodiesel–diesel higher alcohol blends with pentanol and octanol in CI (diesel engine), Yüksek Lisans, S.Al(Öğrenci), 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, Yüksek Lisans, M.Noaman(Öğrenci), 2018
- Mohamed Atabani A., Alternatif Yakıt Olarak Farklı Atıklardan Biyogaz Üretimi ve Veriminin Artırılmasının İncelenmesi, Doktora, M.RAŞİT(Öğrenci), 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, Yüksek Lisans, R.Rafel(Öğrenci), 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, Yüksek Lisans, M.Mekaoussi(Öğrenci), 2017

Jüri Üyelikleri

- Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Atatürk Üniversitesi, Haziran, 2022
- Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Aydın Adnan Menderes Üniversitesi, Şubat, 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Investigation of a novel Defatted Spent Coffee Ground (DSCG)-supported Ni catalyst for fuel cell and supercapacitor applications**
Hansu T. A., Al-Samarae R., Atelge M., Kaya M., Kıvrak H. D., Bogrekcı I., YILDIZ Y. Ş., AKANSU S. O., ÜNALAN S., ATABANI A.
Process Safety and Environmental Protection, cilt.191, ss.760-768, 2024 (SCI-Expanded)
- II. **Tea byproducts biorefinery for bioenergy recovery and value-added products development: A step towards environmental sustainability**
Kumar V., Bhat S. A., Kumar S., Verma P., Badruddin I. A., Américo-Pinheiro J. H. P., Sathyamurthy R., ATABANI A.
Fuel, cilt.350, 2023 (SCI-Expanded)
- III. **Prediction and performance optimisation of a DI CI engine fuelled diesel–Bael biodiesel blends with DMC additive using RSM and ANN: Energy and exergy analysis**
Pitthaiah S., Juchelková D., Sathyamurthy R., ATABANI A.
Energy Conversion and Management, cilt.292, 2023 (SCI-Expanded)
- IV. **Investigating the influence of plastic waste oils and acetone blends on diesel engine combustion, pollutants, morphological and size particles: Dehalogenation and catalytic pyrolysis of plastic waste**
Yusuf A. A., Ampah J. D., Veza I., ATABANI A., Hoang A. T., Nippae A., Powoe M. T., Afrane S., Yusuf D. A., Yahuza I.
Energy Conversion and Management, cilt.291, 2023 (SCI-Expanded)
- V. **Nanomaterials for biofuels production towards a sustainable environment**
Vasseghian Y., Almomani F., ATABANI A.
Fuel, cilt.346, 2023 (SCI-Expanded)
- VI. **Emerging potential of spent coffee ground valorization for fuel pellet production in a biorefinery**
ATABANI A., Mahmoud E., Aslam M., Naqvi S. R., Juchelkova D., Bhatia S. K., Badruddin I. A., Khan T. M. Y., Hoang A. T., Palacky P.
ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY, cilt.25, sa.8, ss.7585-7623, 2023 (SCI-Expanded)
- VII. **Editorial Preface of the Special Issue on “The 5th International Conference on Alternative Fuels, Energy & Environment: Futures and Challenges (ICAFEE 2021)”**

ATABANI A., Pugazhendhi A., Almomani F., Rajendran K.

Fuel, cilt.343, 2023 (SCI-Expanded)

- VIII. **Supercapacitors production from waste: A new window for sustainable energy and waste management**
Bhat S. A., Kumar V., Kumar S., ATABANI A., Anjum Badruddin I., Chae K.
Fuel, cilt.337, 2023 (SCI-Expanded)
- IX. **Anaerobic digestion of dry palms from five cultivars of Algerian date palm (Phoenix dactylifera L.) namely H'mira, Teggaza, Tinacer, Aghamou and Takarbouchet: A new comparative study**
Atabani A., Djaafri M.
ENERGY, cilt.269, ss.1-10, 2023 (SCI-Expanded)
- X. **Recycling of waste tires to crude pyrolytic oil: Engine performance, combustion characteristics and emissions analysis of diesel-butanol-crude pyrolytic oil blends in CI diesel engines**
ÖNER İ. V., ATABANI A., Durnagöl T.
Sustainable Energy Technologies and Assessments, cilt.56, 2023 (SCI-Expanded)
- XI. **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, cilt.25, sa.2, ss.483-493, 2023 (SCI-Expanded)
- XII. **Editorial preface of the special issue on “the 5th international conference on alternative fuels, energy & environment: Futures & challenges (ICAFEE 2021)” (virtual) 15th – 18th, October 2021, Erciyes University (ERÜ), Türkiye**
ATABANI A., Chae K.
International Journal of Hydrogen Energy, cilt.48, sa.18, ss.6703-6704, 2023 (SCI-Expanded)
- XIII. **Environmental and economic issues for renewable production of bio-jet fuel: A global prospective**
Tiwari R., Mishra R., Choubey A., Kumar S., ATABANI A., Badruddin I. A., Khan T. Y.
Fuel, cilt.332, 2023 (SCI-Expanded)
- XIV. **Recent advances in the thermochemical transformation of biomass to bio-oil, biochar and syngas and its upgrading methods**
ATABANI A., Pugazhendhi A., Almomani F., Rene E. R., Naqvi S. R.
Process Safety and Environmental Protection, cilt.168, ss.624-625, 2022 (SCI-Expanded)
- XV. **Valorization of spent coffee grounds for biogas production: A circular bioeconomy approach for a biorefinery**
Mahmoud E., ATABANI A., Badruddin I. A.
Fuel, cilt.328, 2022 (SCI-Expanded)
- XVI. **Principles and potential of thermal hydrolysis of sewage sludge to enhance anaerobic digestion**
Gahlot P., Balasundaram G., Tyagi V. K., ATABANI A., Suthar S., Kazmi A., Štěpanec L., Juchelková D., Kumar A.
Environmental Research, cilt.214, 2022 (SCI-Expanded)
- XVII. **Scale-up of the bioelectrochemical system: Strategic perspectives and normalization of performance indices**
Jadhav D. A., Chendake A. D., Vinayak V., ATABANI A., Abdelkareem M. A., Chae K.
BIORESOURCETECHNOLOGY, cilt.363, 2022 (SCI-Expanded)
- XVIII. **Effect of stirring speeds on biodiesel yield using an innovative oscillatory reactor and conventional STR (A comparative study)**
Khelafi M., Djaafri M., Kalloum S., Atelge M. R., Abut S., Dahbi A., BEKİROĞULLARI M., ATABANI A.
FUEL, cilt.325, 2022 (SCI-Expanded)
- XIX. **A critical review of the hydrogen production from biomass-based feedstocks: Challenge, solution, and future prospect**
Taipabu M. I., Viswanathan K., Wu W., Hattu N., ATABANI A.
Process Safety and Environmental Protection, cilt.164, ss.384-407, 2022 (SCI-Expanded)
- XX. **Optimizing operation parameters of a spark-ignition engine fueled with biogas-hydrogen blend integrated into biomass-solar hybrid renewable energy system**

Bui V. G., Bui T. M. T., Ong H. C., Nizetic S., Bui V. H., Nguyen T. T. X., ATABANI A., Stepanec L., Pham L. H. P., Hoang A. T.

ENERGY, cilt.252, 2022 (SCI-Expanded)

- XXI. **Measurement of organic and elemental carbon in the char deposits from the combustion of permitted and undesirable fuels in domestic boilers**
Kucbel M., Švédová B., Raclavská H., Růžičková J., Raclavský K., Šafář M., Juchelková D., Kantor P., ATABANI A.
Fuel, cilt.319, 2022 (SCI-Expanded)
- XXII. **Impacts of the harvesting process on microalgae fatty acid profiles and lipid yields: Implications for biodiesel production**
Shokravi Z., Shokravi H., Atabani A., Lau W. J., Chyuan O. H., Ismail A. F.
Renewable & Sustainable Energy Reviews, cilt.161, ss.1-15, 2022 (SCI-Expanded)
- XXIII. **Comparative investigation of multi-walled carbon nanotube modified diesel fuel and biogas in dual fuel mode on combustion, performance, and emission characteristics**
Atelge M., ARSLAN E., Krisa D., Al-Samarrae R., Abut S., ÜNALAN S., MOHAMED ATABANI A., KAHRAMAN N., AKANSU S. O., Kaya M., et al.
Fuel, cilt.313, 2022 (SCI-Expanded)
- XXIV. **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, cilt.12, sa.3, ss.577-596, 2022 (SCI-Expanded)
- XXV. **Integrated biorefineries, circular bio-economy, and valorization of organic waste streams with respect to bio-products**
MOHAMED ATABANI A., Tyagi V. K., Fongaro G., Treichel H., Pugazhendhi A., Hoang A. T.
BIOMASS CONVERSION AND BIOREFINERY, cilt.12, sa.3, ss.565, 2022 (SCI-Expanded)
- XXVI. **Valorization of Wet Oily Petrochemical Sludge via Slow Pyrolysis: Thermo-Kinetics Assessment and Artificial Neural Network Modeling**
Naqvi S. R., Ammar Taqvi S. A., Khoja A. H., Ali I., Mehran M. T., Farooq W., Tippayawong N., Juchelkova D., ATABANI A.
FRONTIERS IN ENERGY RESEARCH, cilt.9, 2022 (SCI-Expanded)
- XXVII. **A state-of-the-art review on spent coffee ground (SCG) pyrolysis for future biorefinery**
MOHAMED ATABANI A., Ali I., Naqvi S. R., Badruddin I. A., Aslam M., Mahmoud E., Almomani F., Juchelkova D., Atelge M. R., Khan T. M. Y.
CHEMOSPHERE, cilt.286, 2022 (SCI-Expanded)
- XXVIII. **A performance evaluation study of nano-biochar as a potential slow-release nano-fertilizer from wheat straw residue for sustainable agriculture**
Khan H. A., Naqvi S. R., Mehran M. T., Khoja A. H., Niazi M. B. K., Juchelkova D., MOHAMED ATABANI A.
CHEMOSPHERE, cilt.285, 2021 (SCI-Expanded)
- XXIX. **Co-digestion of vegetable peel with cow dung without external inoculum for biogas production: Experimental and a new modelling test in a batch mode**
Lahbab A., Djaafri M., Kalloum S., Benatallah A., Atelge M. R., MOHAMED ATABANI A.
FUEL, cilt.306, 2021 (SCI-Expanded)
- XXX. **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, cilt.304, 2021 (SCI-Expanded)
- XXXI. **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-Expanded)
- XXXII. **A Critical Overview of the State-of-the-Art Methods for Biogas Purification and Utilization Processes**

- Atelge M. R., ŞENOL H., Djaafri M., Hansu T. A., Krisa D., MOHAMED ATABANI A., Eskicioglu C., Muratcobanoglu H., ÜNALAN S., Kalloum S., et al.
SUSTAINABILITY, cilt.13, sa.20, 2021 (SCI-Expanded)
- XXXIII. **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, cilt.296, 2021 (SCI-Expanded)
- XXXIV. **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, cilt.158, 2021 (SCI-Expanded)
- XXXV. **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, cilt.11, sa.13, 2021 (SCI-Expanded)
- XXXVI. **Synthesis of biodiesel via pre-blending of feedstocks: an optimization by the polynomial curve fitting method**
Panhwar T., Mahesar S. A., Kandhro A. A., Laghari A., Sherazi S. T. H., Atabani A.
BIOFUELS-UK, cilt.12, sa.6, ss.679-688, 2021 (SCI-Expanded)
- XXXVII. **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, cilt.46, sa.37, ss.19633-19644, 2021 (SCI-Expanded)
- XXXVIII. **Editorial preface of the special issue on “progress in alternative fuels and energies”**
MOHAMED ATABANI A.
International Journal of Energy Research, cilt.45, sa.6, ss.8123-8124, 2021 (SCI-Expanded)
- XXXIX. **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, cilt.765, 2021 (SCI-Expanded)
- XL. **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, cilt.46, sa.20, ss.11199-11200, 2021 (SCI-Expanded)
- XLI. **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, cilt.287, 2021 (SCI-Expanded)
- XLII. **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, cilt.136, 2021 (SCI-Expanded)
- XLIII. **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, cilt.285, 2021 (SCI-Expanded)
- XLIV. **Techno-enviro assessment and ranking of Turkey for use of home-scale solar water heaters**
Siampour L., Vahdatpour S., Jahangiri M., Mostafaiepour A., Goli A., Shamsabadi A. A., MOHAMED ATABANI A.

SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.43, 2021 (SCI-Expanded)

- XLV. **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.
BIORESOURCE TECHNOLOGY, cilt.322, 2021 (SCI-Expanded)
- XLVI. **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, cilt.283, 2021 (SCI-Expanded)
- XLVII. **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, cilt.751, 2021 (SCI-Expanded)
- XLVIII. **Spectral, thermoanalytical characterizations, properties, engine and emission performance of complementary biodiesel-diesel-pentanol/octanol blends**
Atabani A., Al Kulthoom S.
Fuel, cilt.282, 2020 (SCI-Expanded)
- XLIX. **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, cilt.279, 2020 (SCI-Expanded)
- L. **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, cilt.11, ss.5809-5819, 2020 (SCI-Expanded)
- LI. **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., Yildiz Y. Ş., Ünalın S.
FUEL, cilt.277, 2020 (SCI-Expanded)
- LII. **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, cilt.277, 2020 (SCI-Expanded)
- LIII. **Experimental insight into co-combustion characteristics of oxygenated biofuels in modified DICI engine**
Alagumalai A., Mathimani T., Pugazhendhi A., MOHAMED ATABANI A., Brindhadevi K., Canh N. D.
FUEL, cilt.278, 2020 (SCI-Expanded)
- LIV. **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, cilt.314, 2020 (SCI-Expanded)
- LV. **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, cilt.278, 2020 (SCI-Expanded)
- LVI. **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, cilt.276, 2020 (SCI-Expanded)

- LVII. **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, cilt.276, 2020 (SCI-Expanded)
- LVIII. **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, cilt.276, 2020 (SCI-Expanded)
- LIX. **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, cilt.273, 2020 (SCI-Expanded)
- LX. **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, cilt.31, sa.5, ss.755-784, 2020 (SSCI)
- LXI. **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, cilt.270, 2020 (SCI-Expanded)
- LXII. **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, cilt.12, sa.12, 2020 (SCI-Expanded)
- LXIII. **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, cilt.302, 2020 (SCI-Expanded)
- LXIV. **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, cilt.45, sa.23, ss.12755-12765, 2020 (SCI-Expanded)
- LXV. **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, cilt.11, sa.3, ss.1017, 2020 (SCI-Expanded)
- LXVI. **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, cilt.11, ss.1019-1040, 2020 (SCI-Expanded)
- LXVII. **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-Samaraae R.
Waste and Biomass Valorization, cilt.11, ss.1097-1113, 2020 (SCI-Expanded)
- LXVIII. **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, cilt.45, sa.10, ss.5757-5759, 2020 (SCI-Expanded)

- LXIX. **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., Ünalın S.
Biofuels, cilt.11, sa.2, ss.121-134, 2020 (SCI-Expanded)
- LXX. **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, cilt.69, sa.12, ss.1619-1626, 2020 (SCI-Expanded)
- LXXI. **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, ss.169-193, 2020 (SCI-Expanded)
- LXXII. **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, cilt.203, 2020 (SCI-Expanded)
- LXXIII. **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, cilt.240, 2019 (SCI-Expanded)
- LXXIV. **Harvesting of blooming microalgae using green synthesized magnetic maghemite (γ -Fe₂O₃) nanoparticles for biofuel production**
Duman F., Şahin U., Atabani A.
Fuel, cilt.256, 2019 (SCI-Expanded)
- LXXV. **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, cilt.254, 2019 (SCI-Expanded)
- LXXVI. **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., Ayanoglu A., Bokhari A.
Sustainable Energy Technologies and Assessments, cilt.35, ss.321-334, 2019 (SCI-Expanded)
- LXXVII. **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.
BIORESOURCİ TECHNOLOGY, cilt.283, ss.358-372, 2019 (SCI-Expanded)
- LXXVIII. **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, cilt.244, ss.419-430, 2019 (SCI-Expanded)
- LXXIX. **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, cilt.239, ss.153-161, 2019 (SCI-Expanded)
- LXXX. **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, cilt.44, sa.4, ss.2079-2080, 2019 (SCI-Expanded)
- LXXXI. **The effects on performance, combustion and emission characteristics of DICI engine fuelled with TiO₂ nanoparticles addition in diesel/biodiesel/n-butanol blends**
Ors I., Sarıkoç S., Atabani A. I., ÜNALAN S., AKANSU S. O.
FUEL, cilt.234, ss.177-188, 2018 (SCI-Expanded)

- LXXXII. **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, cilt.1, sa.1, ss.1-10, 2018 (SCI-Expanded)
- LXXXIII. **"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., Çarpınhoğlu M.
International Journal of Hydrogen Energy, cilt.43, sa.25, ss.11431, 2018 (SCI-Expanded)
- LXXXIV. **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-Muhateb A. H.
Journal of the Air and Waste Management Association, cilt.68, ss.196-214, 2018 (SCI-Expanded)
- LXXXV. **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-Muhateb 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, cilt.155, ss.128-137, 2018 (SCI-Expanded)
- LXXXVI. **Optimization of the esterification process of crude jatropha oil (CJO) containing high levels of free fatty acids: a Malaysian case study**
Farouk H., Zahrae S. M., Atabani A. I., Jaafar M. N. M., Alhassan F. H.
Biofuels, cilt.1, ss.1-8, 2017 (SCI-Expanded)
- LXXXVII. **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, cilt.316, ss.882-892, 2017 (SCI-Expanded)
- LXXXVIII. **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, cilt.19, sa.1, ss.44-67, 2017 (SCI-Expanded)
- LXXXIX. **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, cilt.6, sa.29, ss.24584-24595, 2016 (SCI-Expanded)
- XC. **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, cilt.49, ss.1213-1220, 2015 (SCI-Expanded)
- XCI. **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, cilt.94, ss.51-67, 2015 (SCI-Expanded)
- XCII. **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, cilt.65, ss.367-373, 2015 (SCI-Expanded)
- XCIII. **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, cilt.92, ss.535-542, 2015 (SCI-Expanded)
- XCIV. **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, cilt.40, sa.2, ss.583-594, 2015 (SCI-Expanded)
- XCV. **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, cilt.91, ss.149-157, 2015 (SCI-Expanded)
- XCVI. **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, cilt.79, ss.82-90, 2014 (SCI-Expanded)
- XCVII. **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, cilt.37, ss.840-851, 2014 (SCI-Expanded)
- XCVIII. **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, cilt.37, ss.644-655, 2014 (SCI-Expanded)
- XCIX. **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, cilt.60, ss.130-137, 2014 (SCI-Expanded)
- C. **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, cilt.82, ss.169-176, 2014 (SCI-Expanded)
- CI. **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, cilt.65, ss.304-310, 2014 (SCI-Expanded)
- CII. **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, cilt.53, ss.78-84, 2014 (SCI-Expanded)
- CIII. **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, cilt.28, ss.441-455, 2013 (SCI-Expanded)
- CIV. **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, cilt.1, sa.11, ss.685-694, 2013 (SCI-Expanded)
- CV. **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, cilt.58, ss.296-304, 2013 (SCI-Expanded)
- CVI. **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, cilt.23, ss.391-404, 2013 (SCI-Expanded)
- CVII. **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, cilt.55, ss.879-887, 2013 (SCI-Expanded)
- CVIII. **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, cilt.24, ss.514-533, 2013 (SCI-Expanded)
- CIX. **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, cilt.21, ss.749-755, 2013 (SCI-Expanded)
- CX. **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, cilt.18, ss.211-245, 2013 (SCI-Expanded)
- CXI. **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, cilt.16, sa.5, ss.3547-3558, 2012 (SCI-Expanded)
- CXII. **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, cilt.16, sa.4, ss.2070-2093, 2012 (SCI-Expanded)
- CXIII. **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, cilt.16, sa.3, ss.1683-1695, 2012 (SCI-Expanded)
- CXIV. **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, cilt.15, sa.9, ss.4586-4610, 2011 (SCI-Expanded)
- CXV. **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, cilt.15, sa.9, ss.5212-5217, 2011 (SCI-Expanded)
- CXVI. **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, cilt.15, sa.8, ss.3733-3756, 2011 (SCI-Expanded)
- CXVII. **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, cilt.15, sa.5, ss.2262-2289, 2011 (SCI-Expanded)
- CXVIII. **A review on electrical and thermal energy for industries**
Saidur R., Atabani A. I., Mekhilef S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.15, sa.4, ss.2073-2086, 2011 (SCI-Expanded)
- CXIX. **A review on energy saving strategies in industrial sector**
Abdelaziz E. A., Saidur R., Mekhilef S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.15, sa.1, ss.150-168, 2011 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- 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, cilt.21, 2019 (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., Uğuz G., Shobana S., Bokhari A., Kumar G.
Biocatalysis and Agricultural Biotechnology, cilt.20, 2019 (ESCI)

- III. **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, cilt.11, sa.6, ss.715-731, 2017 (Scopus)
- IV. **Transesterification of moringa oleifera oil to biodiesel using potassium flouride loaded eggshell as catalyst**
Aziz M., Triwahyono S., Jalil A., Rapai H., ATABANI A. I.
Malaysian Journal of Catalysis, cilt.1, sa.1, ss.1-5, 2016 (Hakemli Dergi)
- V. **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, cilt.1, sa.4, ss.139-146, 2014 (Scopus)
- VI. **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), cilt.69, sa.3, ss.65-72, 2014 (Scopus)
- VII. **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, cilt.5, sa.1, ss.87-94, 2010 (Scopus)

Kitap & Kitap Bölümleri

- 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.
Sustainable Agriculture Reviews, Naushad Mu, Lichtfouse Eric, Editör,
https://link.springer.com/chapter/10.1007/978-3-030-11345-2_6, ss.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.
Gum Arabic Structure, Properties, Application and Economics, Mariod A.A, Editör, Academic Press , Amsterdam, ss.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.
Gum ArabicStructure, Properties, Application and Economics, Mariod Mariod, Editör,
<https://www.sciencedirect.com/science/article/pii/B9780128120026000191>, ss.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.
Clean Energy for Sustainable Development, Mohammad G. Rasul, Abul kalam Azad, Subhash C. Sharma, Editör,
<https://www.sciencedirect.com/science/article/pii/B978012805423900017X?via3Dihub!>, ss.507-556, 2017
- V. **Edible and Nonedible Biodiesel Feedstocks: Microalgae and Future of Biodiesel**
ATABANI A. I., El-Sheekh M., Kumar G., Shobana S.
CLEAN ENERGY FOR SUSTAINABLE DEVELOPMENT Comparisons and Contrasts of New Approaches, MOHAMMAD G. RASUL, ABUL KALAM AZAD, SUBHASH C. SHARMA, Editör, Academic Press Elsevier Science, Oxford/Amsterdam, Amsterdam, ss.507-556, 2016

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **ANAEROBIC CO-DIGESTION OF DEFATTED SPENT COFFEE GROUNDS WITH DIFFERENT WASTE SUBSTRATE FOR BIOGAS PRODUCTION**

ATELGE M. R., Abdulaziz A., ABUT S., KAYA M., Eskicioglu C., Kumar G., Lee C., YILDIZ Y. Ş., ÜNALAN S., Mohanasundaram R., et al.
Proceedings of INCOS2020, 17 - 19 Eylül 2020

- II. **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, Türkiye, 18 - 21 Mayıs 2017, ss.45-50
- III. **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, Türkiye, 18 - 21 Mayıs 2017, cilt.6, ss.1
- IV. **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, Türkiye, 18 - 21 Mayıs 2017, cilt.6, ss.1
- V. **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, Türkiye, 2 - 04 Aralık 2016, cilt.1, ss.57
- VI. **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, Türkiye, 2 - 04 Aralık 2016, cilt.1, ss.10
- VII. **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, Türkiye, 1 - 04 Aralık 2016, cilt.1, sa.1, ss.14
- VIII. **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, Türkiye, 2 - 04 Aralık 2016, cilt.1, ss.9
- IX. **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, Türkiye, 22 - 25 Eylül 2016, cilt.9, sa.9, ss.569
- X. **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, Bangladeş, 19 - 21 Aralık 2014, cilt.105, ss.665-669
- XI. **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, Tayland, 29 - 31 Temmuz 2011, ss.3223-3233

Desteklenen Projeler

ATABANI A., ATELGE M. R., YILDIZ Y. Ş., AKANSU S. O., ÜNALAN S., DEMİR KIVRAK H., AVCI HANSU T., KAYA M., ABDULWAHHAB AL-SAMARAAE R. R., BOGREKCI I., et al., Yükseköğretim Kurumları Destekli Proje, Development of a small-scale SCG-based biorefinery to produce biofuels and value-added products: pathways towards green environment and circular bioeconomy, 2022 - 2024

Avcı Hansu T., Atelge M. R., Atabani A., Demir Kıvrak H., Kaya M., Yükseköğretim Kurumları Destekli Proje, Yeni nesil aktif karbon temelli heterojen biyodizel katalizörlerinin sentezi, karakterizasyonu ve atık yağlardan biyodizel üretim uygulamaları, 2021 - 2023

Atelge M. R., Mohamed Atabani A., Avcı Hansu T., Demir Kıvrak H., Abut S., Kaya M., Yükseköğretim Kurumları Destekli Proje, Hayvan gübresi ve kahve telvesinden yenilenebilir biyo-yakıt olarak biyogazın üretim potansiyelinin araştırılması, 2021 - 2023

Öner İ. V., Mohamed Atabani A., Yükseköğretim Kurumları Destekli Proje, Kullanılmış Lastik Atıklarından Alternatif Yakıt Üretimi Ve Karakterizasyonu İle İçten Yanmalı Motorlardaki Uygulamalarının Araştırılması, 2020 - 2021

ATABANI A., ÜNALAN S., YILDIZ Y. Ş., DUMAN F., ESKICIOĞLU C., KUMAR G., KAYA M., ATELGE M. R., LEE C., RANGANATHAN D. M., Yükseköğretim Kurumları Destekli Proje, 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., Yükseköğretim Kurumları Destekli Proje, Biyodizel yakıtlı CI motorun yanma ve emisyonlarının karakteristiği motor performansı katkı maddelerinin fiziksel ve kimyasal özellikleri üzerine etkileri, 2015 - 2017

ATABANI A., ABDELRAHEEM ELHAJ H. F., SARIKOÇ S., ÜNALAN S., TRIWAHYONO S., EFE Ş., ÖRS İ., Yükseköğretim Kurumları Destekli Proje, 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

Bilimsel Dergilerdeki Faaliyetler

Fuel, Özel Sayı Editörü, 2018 - Devam Ediyor

Biofuels, Editörler Kurulu Üyesi, 2018 - Devam Ediyor

International Journal of Hydrogen Energy, Özel Sayı Editörü, 2017 - Devam Ediyor

Energy and Environment, Özel Sayı Editörü, 2017 - Devam Ediyor

Waste and Biomass Valorization, Özel Sayı Editörü, 2017 - Devam Ediyor

Malaysian Journal of Catalysis, Yardımcı Editör/Bölüm Editörü, 2017 - Devam Ediyor

International Journal of Energy Applications and Technologies, Yayın Kurul Üyesi, 2017 - Devam Ediyor

International Journal of Hydrogen Energy, Özel Sayı Editörü, 2017 - 2017

Biofuel Research Journal, Editör, 2014 - 2017

Bilimsel Hakemlikler

ENERGY, SCI Kapsamındaki Dergi, Mayıs 2019

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Kapsamındaki Dergi, Mayıs 2019

Biomass and Bioenergy, SCI Kapsamındaki Dergi, Şubat 2019

International Journal of Hydrogen Energy, SCI Kapsamındaki Dergi, Aralık 2018

International Journal of Hydrogen Energy, SCI Kapsamındaki Dergi, Aralık 2018

Bioresource Technology, SCI Kapsamındaki Dergi, Aralık 2018

Waste and Biomass Valorization, SCI Kapsamındaki Dergi, Aralık 2018

International Journal of Hydrogen Energy, SCI Kapsamındaki Dergi, Kasım 2018

International Journal of Hydrogen Energy, SCI Kapsamındaki Dergi, Kasım 2018

Fuel, SCI Kapsamındaki Dergi, Ekim 2018

Fuel, SCI Kapsamındaki Dergi, Ekim 2018

International Journal of Hydrogen Energy, SCI Kapsamındaki Dergi, Eylül 2018
Fuel, SCI Kapsamındaki Dergi, Ağustos 2018
Biofuels, Bioproducts & Biorefining, SCI Kapsamındaki Dergi, Temmuz 2018
Renewable Energy , SCI Kapsamındaki Dergi, Nisan 2018
Fuel, SCI Kapsamındaki Dergi, Nisan 2018
Waste and Biomass Valorization , SCI Kapsamındaki Dergi, Nisan 2018
Data in Brief, SSCI Kapsamındaki Dergi, Mart 2018
Fuel, SCI Kapsamındaki Dergi, Mart 2018
Renewable Energy, SCI Kapsamındaki Dergi, Mart 2018
Renewable Energy, SCI Kapsamındaki Dergi, Mart 2018
Fuel, SCI Kapsamındaki Dergi, Şubat 2018
Waste and Biomass Valorization, SCI Kapsamındaki Dergi, Şubat 2018
Data in Brief, SSCI Kapsamındaki Dergi, Şubat 2018
Iranian Journal of Chemistry and Chemical Engineering (IJCCCE), SCI Kapsamındaki Dergi, Şubat 2018
Engineering Science and Technology, an International Journal, SCI Kapsamındaki Dergi, Şubat 2018
Industrial Crops and Products, SCI Kapsamındaki Dergi, Şubat 2018
Renewable Energy, SCI Kapsamındaki Dergi, Şubat 2018
Environmental Science and Pollution Research, SCI Kapsamındaki Dergi, Ocak 2018
Fuel, SCI Kapsamındaki Dergi, Ocak 2018
Engineering Science and Technology, SSCI Kapsamındaki Dergi, Ocak 2018
Renewable Energy, SCI Kapsamındaki Dergi, Ocak 2018
Bioresource Technology, SCI Kapsamındaki Dergi, Ocak 2018
International Journal of Industrial Chemistry (IJIC), SCI Kapsamındaki Dergi, Aralık 2017
Fuel, SCI Kapsamındaki Dergi, Aralık 2017
Renewable Energy, SCI Kapsamındaki Dergi, Aralık 2017
Fuel, SCI Kapsamındaki Dergi, Aralık 2017
Fuel, SCI Kapsamındaki Dergi, Aralık 2017
Fuel, SCI Kapsamındaki Dergi, Kasım 2017
Renewable Energy, SCI Kapsamındaki Dergi, Kasım 2017
Green Processing and Synthesis, SCI Kapsamındaki Dergi, Kasım 2017
Energy Technology, SCI Kapsamındaki Dergi, Kasım 2017
Renewable Energy, SCI Kapsamındaki Dergi, Kasım 2017
Fuel, SCI Kapsamındaki Dergi, Kasım 2017
Fuel, SCI Kapsamındaki Dergi, Ekim 2017
Fuel, SCI Kapsamındaki Dergi, Eylül 2017
Environmental Science and Pollution Research, SCI Kapsamındaki Dergi, Eylül 2017
Energy, SCI Kapsamındaki Dergi, Eylül 2017
Waste and Biomass Valorization, SCI Kapsamındaki Dergi, Eylül 2017
International Journal of Green Energy, SCI Kapsamındaki Dergi, Eylül 2017
South African Journal of Chemical Engineering, SCI Kapsamındaki Dergi, Eylül 2017
Energy, SCI Kapsamındaki Dergi, Eylül 2017
Fuel, SCI Kapsamındaki Dergi, Eylül 2017
International Journal of Green Energy, SCI Kapsamındaki Dergi, Eylül 2017
Renewable Energy, SCI Kapsamındaki Dergi, Eylül 2017
Environmental Science and Pollution Research , SCI Kapsamındaki Dergi, Ağustos 2017
Renewable Energy, SCI Kapsamındaki Dergi, Ağustos 2017
Fuel, SCI Kapsamındaki Dergi, Temmuz 2017
Environmental Science and Pollution Research, SCI Kapsamındaki Dergi, Temmuz 2017
Atmospheric Pollution Research, SCI Kapsamındaki Dergi, Temmuz 2017
Fuel, SCI Kapsamındaki Dergi, Temmuz 2017
Renewable Energy, SCI Kapsamındaki Dergi, Temmuz 2017

Energy & Fuels , SCI Kapsamındaki Dergi, Temmuz 2017
Fuel, SCI Kapsamındaki Dergi, Haziran 2017
South African Journal of Chemical Engineering, SCI Kapsamındaki Dergi, Haziran 2017
Energy, SCI Kapsamındaki Dergi, Haziran 2017
Renewable Energy, SCI Kapsamındaki Dergi, Haziran 2017
International Journal of Industrial Chemistry, SCI Kapsamındaki Dergi, Haziran 2017
Renewable Energy, SCI Kapsamındaki Dergi, Haziran 2017
Renewable Energy, SCI Kapsamındaki Dergi, Mayıs 2017
Preparative Biochemistry and Biotechnology, SCI Kapsamındaki Dergi, Mayıs 2017
Energy Conversion and Management, SCI Kapsamındaki Dergi, Mayıs 2017
Environmental Science and Pollution Research, SCI Kapsamındaki Dergi, Mayıs 2017
Energy & Fuels, SCI Kapsamındaki Dergi, Mayıs 2017
Transportation Research Part D: Transport and Environment, SCI Kapsamındaki Dergi, Mart 2017
Industrial Crops and Products, SCI Kapsamındaki Dergi, Şubat 2017
Fuel, SCI Kapsamındaki Dergi, Şubat 2017
Journal of Cleaner Production, SCI Kapsamındaki Dergi, Şubat 2017
Renewable Energy, SCI Kapsamındaki Dergi, Aralık 2016
Fuel, SCI Kapsamındaki Dergi, Eylül 2016
Case Studies in Thermal Engineering, SCI Kapsamındaki Dergi, Eylül 2016
Fuel, SCI Kapsamındaki Dergi, Eylül 2016
Fuel, SCI Kapsamındaki Dergi, Ağustos 2016
Fuel, SCI Kapsamındaki Dergi, Ağustos 2016
Energy Conversion and Management, SCI Kapsamındaki Dergi, Haziran 2016
Energy & Fuels, SCI Kapsamındaki Dergi, Haziran 2016
Fuel Processing Technology, SCI Kapsamındaki Dergi, Haziran 2016
Renewable Energy, SCI Kapsamındaki Dergi, Haziran 2016
Industrial Crops and Products, SCI Kapsamındaki Dergi, Haziran 2016
Energy, SCI Kapsamındaki Dergi, Haziran 2016
Fuel, SCI Kapsamındaki Dergi, Mayıs 2016
Energy Technology, SCI Kapsamındaki Dergi, Mayıs 2016
Fuel, SCI Kapsamındaki Dergi, Mayıs 2016
Bioresource Technology, SCI Kapsamındaki Dergi, Nisan 2016
Waste and Biomass Valorization, SCI Kapsamındaki Dergi, Nisan 2016
Journal of Cleaner Production, SCI Kapsamındaki Dergi, Nisan 2016
Journal of Cleaner Production, SCI Kapsamındaki Dergi, Şubat 2016
Fuel, SCI Kapsamındaki Dergi, Şubat 2016
Energy, SCI Kapsamındaki Dergi, Ocak 2016
Fuel, SCI Kapsamındaki Dergi, Ocak 2016
Renewable Energy, SCI Kapsamındaki Dergi, Ocak 2016
Energy Conversion and Management, SCI Kapsamındaki Dergi, Aralık 2015
Fuel, SCI Kapsamındaki Dergi, Aralık 2015
Energy, SCI Kapsamındaki Dergi, Aralık 2015
Journal of Cleaner Production, SCI Kapsamındaki Dergi, Kasım 2015
Industrial Crops and Products, SCI Kapsamındaki Dergi, Kasım 2015
Energy, SCI Kapsamındaki Dergi, Ekim 2015
Fuel, SCI Kapsamındaki Dergi, Ekim 2015
Fuel, SCI Kapsamındaki Dergi, Ekim 2015
Fuel, SCI Kapsamındaki Dergi, Eylül 2015
Renewable Energy, SCI Kapsamındaki Dergi, Eylül 2015
Renewable Energy, SCI Kapsamındaki Dergi, Ağustos 2015
Journal of Cleaner Production, SCI Kapsamındaki Dergi, Ağustos 2015

Fuel, SCI Kapsamındaki Dergi, Ağustos 2015
Energy, SCI Kapsamındaki Dergi, Ağustos 2015
Energy Conversion and Management, SCI Kapsamındaki Dergi, Temmuz 2015
Renewable Energy, SCI Kapsamındaki Dergi, Haziran 2015
Energy & Fuels, SCI Kapsamındaki Dergi, Mayıs 2015
Energy, SCI Kapsamındaki Dergi, Mayıs 2015
Renewable Energy, SCI Kapsamındaki Dergi, Mayıs 2015
Renewable Energy, SCI Kapsamındaki Dergi, Mayıs 2015
Renewable Energy , SCI Kapsamındaki Dergi, Mayıs 2015
TRANSPORT POLICY, SCI Kapsamındaki Dergi, Mayıs 2015
Energy Conversion and Management, SCI Kapsamındaki Dergi, Nisan 2015
Journal of Cleaner Production, SCI Kapsamındaki Dergi, Şubat 2015
Journal of Cleaner Production, SCI Kapsamındaki Dergi, Ocak 2015
Renewable and Sustainable Energy Reviews, SCI Kapsamındaki Dergi, Ocak 2015
Industrial Crops and Products, SCI Kapsamındaki Dergi, Ocak 2015
Fuel, SCI Kapsamındaki Dergi, Ekim 2014
Energy Conversion and Management, SCI Kapsamındaki Dergi, Ekim 2014
Fuel, SCI Kapsamındaki Dergi, Ekim 2014
Fuel, SCI Kapsamındaki Dergi, Eylül 2014
Energy Conversion and Management, SCI Kapsamındaki Dergi, Eylül 2014
Energy Conversion and Management, SCI Kapsamındaki Dergi, Eylül 2014
Energy Conversion and Management, SCI Kapsamındaki Dergi, Ağustos 2014
Energy Technology, SCI Kapsamındaki Dergi, Ağustos 2014
International Journal of Industrial Chemistry, SCI Kapsamındaki Dergi, Ağustos 2014
Fuel, SCI Kapsamındaki Dergi, Temmuz 2014
Energy Conversion and Management, SCI Kapsamındaki Dergi, Haziran 2014
Energy Conversion and Management, SCI Kapsamındaki Dergi, Haziran 2014
Journal of Cleaner Production, SCI Kapsamındaki Dergi, Haziran 2014
Fuel, SCI Kapsamındaki Dergi, Nisan 2014
Energy, SCI Kapsamındaki Dergi, Mart 2014
Energy Conversion and Management, SCI Kapsamındaki Dergi, Mart 2014
Energy, SCI Kapsamındaki Dergi, Ocak 2014
Energy, SCI Kapsamındaki Dergi, Aralık 2013
Industrial Crops and Products, SCI Kapsamındaki Dergi, Aralık 2013
Energy Conversion and Management, SCI Kapsamındaki Dergi, Kasım 2013
Energy Conversion and Management, SCI Kapsamındaki Dergi, Ağustos 2013
Industrial Crops and Products, SCI Kapsamındaki Dergi, Ağustos 2012

Metrikler

Yayın: 142

Atf (WoS): 7370

Atf (Scopus): 9519

H-İndeks (WoS): 41

H-İndeks (Scopus): 47

Kongre ve Sempozyum Katılımı Faaliyetleri

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

Katılımcı, Nanjing, Çin, 2018

The 2nd International Conference on Alternative Fuels and Energy: Future and Challenges (ICAFE2017), Katılımcı, Daegu, Güney Kore, 2017

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

4th "International Conference on Renewable Energy: Generation and Applications" ICREGA'16, Oturum Başkanı, Belfort, Fransa, 2016

Burslar

Bright Spark (BS), PhD, Üniversite, 2011 - Devam Ediyor

Ödüller

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

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

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

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

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

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