Assistant Professor Dr. Abdulaziz ATABANI

Profile: male, 34, Single● Nationality: Sudanese ● Tel: +905060663065
Google Scholar (A.E. Atabani) ● Citation: 3385● H Index: 22● i10 Index: 31
http://scholar.google.com.my/citations?user=SH66C0wAAAAJ&hl=en&oi=ao

Value Offered

- Fund of knowledge about Mechanical Engineering. Main research area is Alternative Fuels and Recycling of Waste.
- Three years of experience as a PhD student under Bright Spark Scholarship in a leading organization (University of Malaya, Malaysia) (27th in Asia Ranking, 114th in the World and Top 1% of world's Universities, QS Top Universities) with creative teams to provide service, support product and exceed revenue (January 2011-February 2014).
- Best Poster Prize at the 7th International Green Energy Conference (Dalian, China) 28-30th May, 2012). This prize was offered by Energy & Environmental Science Journal (ISI, Q1 Journal).
  (http://blogs.rsc.org/ee/category/poster-prize/)
- Three years of working as Assistant Professor Dr at Energy Division, Department of Mechanical Engineering, Erciyes University (Turkey) (2014- up to date).
- Three years of as Managing editor of Biofuel Research Journal (http://www.biofueljournal.com/) (2014-2017).
- More than 30 ISI published papers in archival ISI and prestigious journals (Elsevier and Springer).
- Regular reviewer of more than 30 ISI published paper in archival ISI and prestigious journal (Elsevier and Springer).
- 1 year experience as branch manager of Bio GreenPowerEnerji, Erciyes Teknopark, Kayseri, Turkey.
- Session Chair of Bioenergy/Biofuels session at 4th "International Conference on Renewable Energy: Generation and Applications" ICREGA'16, Belfort, France (8-10th February 2016).
- Conference Chair and Organizer of 1st International Conference on Alternative Fuels: Future and Challenges (ICAF2016), Kayseri, Turkey (2-4th December 2016).
  (http://icaf2016.com/).
- Professional memberships at:
  World Bioenergy Association (WBA) (http://www.worldbioenergy.org/).

Education

December 2010-February 2014 — University of Malaya — Kuala Lumpur, Malaysia
Mechanical Engineering, PhD

July 2008 – May 2010 — University of Malaya — Kuala Lumpur, Malaysia
Mechanical Engineering, Master (M.Eng), Grade 1, (CGPA 3.71)

December 2000 – August 2005 — University of Khartoum — Khartoum, Sudan
Mechanical Engineering, Bachelor (BSc) Second class CGPA (5.88 out of 10)

ABDULAZIZ ATABANI

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Experience

April 2017-	**Green Processing, Bioremediation and Alternative Energies Research Group, Faculty of Environment and Labour Safety, Ton Duc Thang University, Ho Chi Minh City** Research member	**Vietnam**
September 2014-	**Erciyes University** Assistant Professor	**Turkey**
December 2011- February 2014	**University of Malaya (UM)** Ph.D. (Bright Spark Unit, UM) (High Impact research unit, UM)	**Malaysia**
July 2010- December 2010	**University of Malaya (UM)** Tutor (Part time) Department of Mechanical Engineering	**Malaysia**
January 2010- September 2010	**University of Malaya (UM)** Research Assistant (Part time) (Energy)	**Malaysia**

Languages

- Arabic — Native
- English — Fluent
- Bahasa Melayu — Basic
- Turkish — Basic

Certificates

(1) International Green Energy Conference (IGEC-9), 2014.
(2) International Green Energy Conference (IGEC-8), 2013.
(3) International Green Energy Conference (IGEC-7), 2012.
(4) International Green Energy Conference (IGEC-6),2011.
Research Training course (Research Innovation Week 2)– University of Nottingham – Malaysia Campus, 2011.
(5) International Conference on Advanced Science, Engineering and Information Technology (ICASEIT), 2011.
(6) International Conference on Mechanical and Aerospace Engineering (ICMAE), 2010.
(7) Seminar Nasional Efisiensi Energy untuk Peningkatan Daya Saing Industri Manufaktur & Otomotif Nasional, Jakarta-Indonesia, 2010.
(8) Scientific writing workshop for advanced engineering technology research cluster 2010.
(9) Project Management Workshop "increasing project value with project management software", 2009.
(10) International English Language Testing System (IELTs) (6.5), 2007.
(11) Student Exchange Program with University of Padova, Italy, 200.

Best Poster Prize at the 7th International Green Energy Conference (Dalian, China) 28-

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Awards

30th May, 2012). This prize was offered by Energy & Environmental Science Journal (ISI, Q1 Journal).
http://blogs.rsc.org/ee/category/poster-prize/

Publications

Google Scholar (A.E. Atabani)
All my articles can be found at:
http://scholar.google.com.my/citations?user=SH66C0wAAAAJ&hl=en&oi=ao

(1) Valorization of spent coffee grounds recycling as a potential alternative fuel resource in Turkey: An experimental study
***AE Atabani**, S.M. Mercimek, Sundaram Arvindnarayan, Sutha Shobana, Gopalakrishnan Kumar, Mehmet Cadir & Ala'a H. Al-Muhtaseb*
Original Research Article
Journal of the Air & Waste Management Association (Article in Press). (ISI-Cited Publication, Impact Factor = 1.57).

(2) Optimization of Esterification Process of Crude Jatropha Oil (CJO) Containing High Levels of Free Fatty Acids: A Malaysian case study
*Hazir Farouk, Seyed Mojib Zahraee, **AE Atabani**, Mohammad Nazri Mohd Jaafar, Fatah H. Alhassan*
Original Research Article
Biofuel. (Scopus and Thomson Reuters Emerging Sources Citation Indexed Journal, SNIP = 0.449).

(3) 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
***AE Atabani**, TMI Mahlia, HH Masjuki, IA Badruddin, Hafizuddin Wan Yussof, WT Chong, KeatTeong Lee*
Original Research Article
Energy 2013, 58, 296-304. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 4.107).

(4) Effect of Croton megalocarpus, Calophyllum inophyllum, Moringa oleifera, palm and coconut biodiesel-diesel blending on their Physico-chemical properties
***A.E. Atabani**, M. Mofijur, H.H. Masjuki, Irfan Anjum Badruddin, M.A. Kalam, W.T. Chong*
Original Research Article
Industrial Crops and Products 2014, 60, 130-137. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 2.829).

*(5) Pangium edule Reinw: a promising non-edible oil feedstock for biodiesel production. **AE Atabani**, Irfan Anjum Badruddin, HH Masjuki, WT Chong, Keat Teong Lee*
Original Research Article
Arabian Journal for Science and Engineering (AJSE) 2015. 40 (2). 583-594. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 0.367).

(6) Fuel Properties of Croton megalocarpus, Calophyllum inophyllum, and Cocos nucifera (coconut) Methyl Esters and their Performance in a Multi cylinder Diesel Engine
***AE Atabani**, Irfan Anjum Badruddin, TMI Mahlia, HH Masjuki, M Mofijur, Keat Teong Lee, WT Chong*

Publications

Original Research Article

Energy Technology 2013, 1 (11), 685-694. (ISI-Cited Publication, Factor = 2.557).

(7) Calophyllum inophyllum L. – A prospective non-edible biodiesel feedstock Study of biodiesel production, properties, fatty acid composition, blending and engine performance

***AE Atabani**, Aldara Da Silva César*

Review Article

Renewable and Sustainable Energy Reviews 2014, 37, 644-655. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(8) A comprehensive review on biodiesel as an alternative energy resource and its characteristics

***AE Atabani**, AS Silitonga, IA Badruddin, TMI Mahlia, HH Masjuki, S Mekhilef*

Review Article

Renewable and Sustainable Energy Reviews 2012, 16 (4), 2070-2093. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(9) Non-edible vegetable oils: a critical evaluation of oil extraction, fatty acid compositions, biodiesel production, characteristics, engine performance and emissions production

***AE Atabani**, AS Silitonga, HC Ong, TMI Mahlia, HH Masjuki, IA Badruddin, H Fayaz*

Review Article

Renewable and Sustainable Energy Reviews 2013, 18, 211-245. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(10) Investigation of physical and chemical properties of potential edible and non-edible feedstocks for biodiesel production, a comparative analysis

***AE Atabani**, TMI Mahlia, I Anjum Badruddin, HH Masjuki, WT Chong, Keat Teong Lee*

Letter to the Editor

Renewable and Sustainable Energy Reviews 2013, 21, 749-755. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(11) A study of biodiesel production and characterization of Manketti (Ricinodendron rautonemii) methyl ester and its blends as a potential biodiesel

***A.E. Atabani**, M. Mofijur, H.H. Masjuki, Irfan Anjum Badruddin, W.T. Chong, S.F. Cheng, S.W. Gouk*

Original Research Article

Biofuel Research Journal (BRJ). Article 7, Volume 1, Issue 4, Autumn 2014, Page 139-146.

(12) Energy economic and environmental analysis of industrial boilers using VSD

***AE Atabani**, R Saidur, AS Silitonga, TMI Mahlia*

Original Research Article

Applied Mechanics and Materials 110, 3223-3233.

(13) Energy economical and environment analysis of industrial boiler using economizers

***AE Atabani**, R Saidur, AS Silitonga, TMI Mahlia, AH Sebayang*

Original Research Article

International Journal of Energy Engineering.

(14) The prospects of using Acrocomia aculeata (macaúba) a non-edible biodiesel feedstock in Brazil

*Aldara da Silva César, Fabiano de Azedias Almeida, Raquel Pereira deSouza, Gilmar Clemente Silva, **A.E. Atabani***

Publications

Review Article

Renewable and Sustainable Energy Reviews 2015, 49, 1213-1220. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(15) A study of energy efficiency, economic and environmental benefits of a cooling tower

*R Saidur, **EA Abdelaziz**, M Hasanuzzaman, MAH Mamun*

Original Research Article

International Journal of Mechanical and Materials Engineering 5 (1), 87-94.

(16) Energy Economical and Environmental Analysis of Industrial Boilers Using Fuel Switching

***AE Atabani**, S Rahman, AS Silitonga, AH Sebayang*

Original Research Article

International Journal on Advanced Science, Engineering and Information Technology 1 (5), 501-506.

(17) Cost benefit analysis and environmental impact of fuel economy standards for passenger cars in Indonesia

***AE Atabani**, AS Silitonga, TMI Mahlia*

Letter to the Editor

Renewable and Sustainable Energy Reviews 2012, 16 (5), 3547-355. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(18) Influence of biodiesel blending on physicochemical properties and importance of mathematical model for predicting the properties of biodiesel blend

Original Research Article

*MA Wakil, MA Kalam, HH Masjuki, **AE Atabani**, IMR Fattah*

Energy Conversion and Management 2015, 94, 51-67. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 3.075).

(19) Ceiba pentandra, Nigella sativa and their blend as prospective feedstocks for biodiesel

*T.M. Yunus Khan, **A.E. Atabani**, Irfan Anjum Badruddin, R.F. Ankalgi, T.K. Mainuddin Khan, Ahmad Badarudin*

Original Research Article

Industrial Crops and Products 2015, 367-373 (ISI-Cited Publication, Q1, 5-Year Impact Factor = 2.829).

(20) Production, characterization, engine performance and emission characteristics of Croton megalocarpus and Ceiba pentandra complementary blends in a single-cylinder diesel engine

Original Research Article

*A.M. Ruhul, M.A. Kalam, H.H. Masjuki, Abdullah Alabdulkarem, **A.E. Atabani**, I.M. Rizwanul Fattah, M.J. Abedin*

RSC Advances 6 (29), 24584-24595. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 3.128).

(21) Synthetic phenolic antioxidants to biodiesel: Path toward NO_x unmodified indirect injection diesel engine

*I.M. Rizwanul Fattah, Masjuki Hj. Hassan, Md. Abul Kalam, **Abdelaziz Emad Atabani**, Md. Joynul Abedin*

Original Research Article

Journal of Cleaner Production 2014, 79, 82-90. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 3.587).

(22) Properties and use ofMoringa oleifera biodiesel and diesel fuel blends in a multi-cylinder diesel engine

*M Mofijur, HH Masjuki, MA Kalam, **AE Atabani**, MI Arbab, SF Cheng*

Publications

Original Research Article

Energy Conversion and Management 82, 169-176. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 3.075).

*(23) Comparative evaluation of performance and emission characteristics ofMoringa oleifera and Palm oil based biodiesel in a diesel engine M Mofijur, HH Masjuki, MA Kalam, **AE Atabani**, IM Fattah, HM Mobarak*

Original Research Article

Industrial Crops and Products 53, 78-84. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 2.829).

(24) Physicochemical characterization and thermal behavior of biodiesel and biodiesel-diesel blends derived from crude Moringa peregrina seed oil.

Original Research Article

Energy Conversion & Management 92, 535-542. 2014. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 3.075).

(25) Evaluation of biodiesel blending, engine performance and emissions characteristics ofJatropha curcas methyl ester: Malaysian perspective

*M Mofijur, HH Masjuki, MA Kalam, **AE Atabani***

Original Research Article

Energy 2013, 55, 879-88. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 4.107).

(26) Biodiesel production, characterization, diesel engine performance, and emission characteristics of methyl esters from Aphanamixispolystachya oil of Bangladesh.

Original Research Article

*SM Palash, HH Masjuki, MA Kalam, **AE Atabani**, IMR Fattah, A Sanjid, Energy Conversion and Management 91, 149-157*

Energy Conversion & Management 2015,91, 149-157(ISI-Cited Publication, Q1, 5-Year Impact Factor = 3.075).

*(27) Performance and emission analysis ofJatropha curcas andMoringa oleifera methyl ester fuel blends in a multi-cylinder diesel engine MdMofijur Rahman, Masjuki Hj Hassan, MdAbulKalam, **Abdelaziz EmadAtabani**, Liaquat Ali Memon, SM Rahman*

Original Research Article

Journal of Cleaner Production 2014, 65, 15 February, 304-310. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 3.587).

(28) Effect of Biodiesel-diesel Blending on Physico-chemical Properties of Biodiesel Produced from Moringa Oleifera

Original Research Article

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

Procedia Engineering, 105, 2015, 665-669

(29) Physicochemical characterization and thermal behavior of biodiesel and biodiesel–diesel blends derived from crudeMoringa peregrina seed oil

Original Research Article

*Mohammed Salaheldeen, M.K. Aroua, A.A. Mariod, Sit Foon Cheng, Malik A. Abdelrahman, **A.E. Atabani***

Energy Conversion and Management, 92, 1 March 2015, 535-542

(30) A Study of Biodiesel Production from Crude Jatropha Oil (CJO) with High Level of Free Fatty Acids

*Hazir Farouk, Mohammad Nazri Mohd Jaafar, **AE Atabani***

Original Research Article

Jurnal Teknologi (Sciences & Engineering) 69 (3), 65-72. (Non-ISI/Scopus indexed).

(31) Recent scenario and technologies to utilize non-edible oils for biodiesel

Publications

production
*T.M. Yunuskhan, **A.E. Atabani**, Irfan Anjum Badruddin, Ahmad Badarudin, M.S. Khayoon, S. Triwahyono*
Review Article
Renewable and Sustainable Energy Reviews 2014, 37, 840-851. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(32) A review on prospect ofJatropha curcas for biodiesel in Indonesia
*AS Silitonga, **AE Atabani**, TMI Mahlia, HH Masjuki, Irfan Anjum Badruddin, S Mekhilef*
Review Article
Renewable and Sustainable Energy Reviews 2011, 15 (8), 3733-3756. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(33) A study on the effects of promising edible and non-edible biodiesel feedstocks on engine performance and emissions production: a comparative evaluation
*M Mofijur, **AE Atabani**, HH Masjuki, MA Kalam, BM Masum*
Review Article
Renewable and Sustainable Energy Reviews 2013, 23, 391-404. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(34) Effect of biodiesel from various feedstocks on combustion characteristics, engine durability and materials compatibility: A review
*M Mofijur, HH Masjuki, MA Kalam, **AE Atabani**, M Shahabuddin, SM Palash, MA Hazrat*
Review Article
Renewable and Sustainable Energy Reviews 2013, 28, 441-455. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(35) Techno-economic analysis and environmental impact of fuel economy labels for passenger cars in Indonesia
*AS Silitonga, **AE Atabani**, TMI Mahlia, AH Sebayang*
Letter to the Editor
Renewable and Sustainable Energy Reviews 2011, 15 (9), 5212-5217. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(36) Review on fuel economy standard and label for vehicle in selected ASEAN countries
*AS Silitonga, **AE Atabani**, TMI Mahlia*
Review Article
Renewable and Sustainable Energy Reviews 2012, 16 (3), 1683-1695. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(37) A review on global fuel economy standards, labels and technologies in the transportation sector
***AE Atabani**, IA Badruddin, S Mekhilef, AS Silitonga*
Review Article
Renewable and Sustainable Energy Reviews 2011, 15 (9), 4586-4610. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(38) A review on biomass as a fuel for boilers
*R Saidur, **EA Abdelaziz**, A Demirbas, MS Hossain, S Mekhilef*
Review Article
Renewable and Sustainable Energy Reviews 15 (5), 2262-2289. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).

(39) A review on energy saving strategies in industrial sector
***EA Abdelaziz**, R Saidur, S Mekhilef*
Review Article

Renewable and Sustainable Energy Reviews 15 (1), 150-168. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).
(40) A review on electrical and thermal energy for industries
*R Saidur, **AE Atabani**, S Mekhilef*
Review Article
Renewable and Sustainable Energy Reviews 15 (4), 2073-2086. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).
(41) The prospects of using Acrocomia aculeata (macaúba) a non-edible biodiesel feedstock in Brazil
Review Article
*Aldara da Silva César, Fabiano de Azedias Almeida, Raquel Pereira de Souza, Gilmar Clemente Silva, **A.E. Atabani***
Renewable and Sustainable Energy Reviews, 49, September 2015, 1213-1220. (ISI-Cited Publication, Q1, 5-Year Impact Factor = 6.577).
(40) A review of thermochemical conversion of microalgal biomass for biofuels: Chemistry and processes
Review Article
*G. Kumar. S Shobana, WH Chen, QV Bach, SH Kim, **AE Atabani**, JS Chang.*
Green Chemistry (Article in Press), (ISI-Cited Publication, Q1, Impact Factor = 8.506).
(41) Transesterification of moringa oleifera oil to biodiesel using potassium flouride loaded eggshell as catalyst
Original Research Article
*MAA Aziz, S Triwahyono, AA Jalil, HAA Rapai, **AE Atabani.***
Malaysian Journal of Catalysis 1 (1).

Publications achievement

*My article (Non-edible vegetable oils: A critical evaluation of oil extraction, fatty acid compositions, biodiesel production, characteristics, engine performance and emissions production) has appeared in the 25 most popular articles of the first half of 2013 from Elsevier published journals in **Alternative / Renewable Energy**. The Top 25 Articles 2013 are ranked in order of the number of full-text downloads they received from the Science Direct platform during the period of Jan- Jun 2013.*

*Moreover, the following articles; A comprehensive review on biodiesel as an alternative energy resource and its characteristics has appeared in the **Most Cited Renewable & Sustainable Energy Reviews Articles** (The second most cited articles published since 2012) at:*
https://www.journals.elsevier.com/renewable-and-sustainable-energy-reviews/most-cited-articles

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Conference Chairs

Session Chair of Bioenergy/Biofuels at 4th "International Conference on Renewable Energy: Generation and Applications" ICREGA'16, Belfort, France (8-10th February 2016).

Conference Chair (1st International Conference on Alternative Fuels: Future and Challenges (ICAF2016), Kayseri, Turkey (2-4th December 2016).

Chapter in Book

A.E. Atabani, M.M. El-Sheekh, G. Kumar and S. Shobana
Edible and Nonedible Biodiesel Feedstocks: Microalgae and Future of Biodiesel
Chapter in: Clean Energy for Sustainable Development
Elsevier

A.E. Atabani
Biodiesel: a promising alternative energy resource
Chapter in: Alternative Fuel Research Progress
by Maher A.R. Sadiq Al-Baghdadi (Editor)
CreateSpace Independent Publishing Platform 2013
International Energy and Environment Foundation
ISBN-13: 978-1484057711.

Reviewer

RENEWABLE ENERGY (ELSEVIER)

Empty Fruit Bunches (EFBs) as a promising feedstock for Bioethanol production in Malaysia, *Renewable Energy, RENE-D-17-01839 (Under Review).*

Characterization of heterocystous cyanobacterial strains for biodiesel production based on fatty acid content analysis and hydrocarbon production, *Renewable Energy, RENE-D-17-01380 (Minor Revisions).*

Application of Response Surface Methodology and Artificial Neural Networks for Optimization of Methyl Ester Production from Prunus Amygdalus Seed Oil, *Renewable Energy, RENE-D-17-01837 (Major Revisions).*

Synthesis and Characterization of A La-Ni/α-Al2O3 Catalyst and Its Use in Pyrolysis of Glycerol to Syngas, *Renewable Energy, RENE-D-17-01005 (Major Revisions).*

Geographical Regions Influence on Jatropha Biodiesel Fatty Acid Composition and Biofuel Properties, *Renewable Energy, RENE-D-16-022921 (Rejected).*

A Fuzzy-based Multi-Responsive Inference using GEP Model for Experimental Investigation on Performance and Emission Analysis of a Single Cylinder DI Diesel Engine Fuelled with Neem Methyl Ester-based biodiesel and ethanol, *Renewable Energy, RENE-D-16-00791 (Rejected).*

Unregulated Emissions and Health Risk Potential from Biodiesel (KB5, KB20) and Methanol Blend (M5) Fuelled Transportation Diesel Engines, *Renewable Energy, RENE-D-15-02947 (Major revisions).*

One-step Production of Biodiesel through Simultaneous Esterification and Transesterification from Highly Acidic Unrefined Feedstock over Efficient and Recyclable ZnO Nanostar Catalyst, *Renewable Energy, RENE-D-15-01868 (Minor revisions).*

Optimization of biodiesel production from palm oil using low-cost solid catalyst

derived from waste bovine bone and response surface methodology, *Renewable Energy, RENE-D-15-01620 (Rejected).*

Comparative study of three ways of using Jatropha curcas vegetable oil in a direct injection diesel engine*, Renewable Energy, RENE-D-15-00682 (Major revisions).*

Fuel property enhancement of biodiesel fuels from common and alternative feedstocks via complementary blending, *Renewable Energy, RENE-D-14-02321R1 (Published).*

ENERGY CONVERSION AND MANAGEMENT (ELSEVIER)

Neat diesel beats waste-oriented biodiesel from the exergoeconomic and exergoenvironmental point of views!, *Energy Conversion and Management, ECM-D-17-01766R1 (Published).*

Waste polymers recycling in biodiesel as a strategy to simultaneously enhance fuel properties and recycle the wastes: realistic simulation and economical assessment approach*, Energy Conversion and Management, ECM-D-15-04563 (Rejected).*

The Evaluation of Developing Vehicle Technologies on the Fuel Economy of Long-Haul Trucks. *Energy Conversion and Management. ECM-D-15-02466 (Published).*

Reviewer

Improving exergetic and sustainability parameters of a DI diesel engine using polymer waste dissolved in biodiesel as a novel diesel additive. *Energy Conversion and Management. ECM-D-15-01294 (Published).*

Improving the fuel properties of biodiesel via complementary blending with diesel from direct coal liquefaction (DDCL)*, Energy Conversion and Management, ECM-D-14-02236 (Rejected).*

Effect of antioxidant stabilized palm biodiesel on performance and emission characteristics of a diesel engine fuelled with biodiesel blends*, Energy Conversion and Management, ECM-D-13-01260R1 (Published).*

A review on Idling reduction strategies to improve fuel economy and exhaust emissions of transport vehicles*. Energy Conversion and Management. ECM-D-14-01438R2 (Published).*

A study of Jatropha, Palm, Coconut and Calophyllum inophyllum biodiesel fuelled engine on energy consumption and exhaust emission under idling conditions*. Energy Conversion and Management. ECM-D-14-02619 (Rejected).*

Biodiesel production and performance evaluation of coconut, palm and their combined blend with diesel in a single-cylinder diesel engine*, Energy Conversion and Management, ECM-D-14-00604R1 (Published).*

INDUSTRIAL CROPS AND PRODUCTS (ELSEVIER)

Methyl Ester Synthesis of Pistacia khinjuk Seed Oil by Ultrasonic-Assisted Cavitation System, *Industrial Crops and Products, INDCRO-D-17-00596 (Published).*

Analysis on physicochemical property and thermal stability of emulsified biodiesel, *Industrial Crops and Products, INDCRO-D-15-03479 (Rejected).*

Performance and emission characteristics of a CI engine fueled with Cocos nucifera and Jatropha curcas B20 blends accompanying antioxidants, *Industrial Crops and Products, INDCRO-D-13-02253 (Published).*

Thermochemical characterization of Parinaripolyandra Benth fruit shell for bio-oil production, *Industrial Crops and Products, INDCRO-D-12-00958 (Published).*

Friction and wear characteristics of Calophyllum inophyllum biodiesel, *Industrial Crops and Products, INDCRO-D-14-03111 (Published).*

Optimization of Alcoholic Soybean Oil Extraction as a Step towards Developing In-situ Transesterification for Fatty Acid Isopropyl Esters, *Industrial Crops and Products, INDCRO-D-14-01673 (Under Review).*

Reviewer

FUEL (ELSEVIER)

Experimental investigation of the effects of turkey rendering fat biodiesel on combustion, performance and exhaust emissions of a diesel engine. *Fuel. JFUE-D-17-02737 (Major Corrections).*

FTIR assessment and investigation of synthetic antioxidant on the fuel stability of Calophyllum inophyllum biodiesel. *Fuel. JFUE-D-17-00313R1 (Accepted).*

The Effect of Aluminum Oxide Nanoparticles Addition with Jojoba Methyl Ester-Diesel Fuel Blend on a Diesel Engine Performance, Combustion and Emission Characteristics. *Fuel. JFUE-D-17-02358 (Under Review).*

Experimental Investigation on Performance and Emission Characteristics of a 4-S CI Engine using Pumpkin seed Bio-Diesel as an alternative Fuel by varying the Injection Pressure. *Fuel. JFUE-D-16-03080 (Rejected).*

Computer aided system engineering applied to biodiesel production process from palm and Jatropha curcas oil. *Fuel. JFUE-D-16-01496 (Revise).*

A Comparative Engine Performance Studies of Biofuels with Higher Biodiesel Content Blends. *Fuel. JFUE-D-16-02798 (Rejected).*

Measurements and empirical correlations in predicting biodiesel-diesel blends' viscosity and density. *Fuel. JFUE-D-16-02653 (Published).*

Synthesis, Stability characteristics and Effect of Anti-Oxidants on Stability of Fenugreek Methyl Esters. *Fuel. JFUE-D-16-02818 (Rejected).*

Butyl ester preparation from waste cooking oil having high free fatty acids, *Fuel, JFUE-D-15-02500 (Rejected).*

Assessment of performance, emission and combustion characteristics of palm, jatropha and calophyllum inophyllum biodiesel blends. *Fuel. JFUE-D-15-00202R1 (Published).*

Experimental Evaluation of Diesel Engine Fueled with Balanites Aegyptiaca (L.) Del Biodiesel Blends*, Fuel, JFUE-D-15-03342 (Rejected).*

Effect of antioxidant additives on the Performance and Emission Characteristics of a DICI engine using neat Lemongrass oil-diesel blend. *Fuel. JFUE-D-15-02672R1 (Published).*

Liquid-Liquid Equilibrium for Ternary system containing biodiesel, methanol and water. *Fuel. JFUE-D-15-02885 (Rejected).*

Reviewer

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Journals	*Managing Editor at Biofuel Research Journal May2014-May2017.* *Associate Editor at Malaysian Journal of Catalysis, April 2017-* *Special Issue Guest Editor at International Journal of Hydrogen Energy, April 2017-* *Member of Editorial Board at International Journal of Energy Applications and Technologies (IJEAT), March 2017-*
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Ongoing	**(1)** *Implementation of a small-scale biodiesel production project from waste for the state of Kayseri (FOA-2015-5790). Project manager (Erciyes University, Turkey) (May 2015-April 2017) (Project Completed).*

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(2) *The effect of additives on physicochemical properties, engine performance exhaust emissions and combustion characteristics of biodiesel fueled CI engine (FOA-2015-5817). Project member and researcher (Erciyes University, Turkey) (May 2015-July 2017) (Project Completed).*

(3) *Biogas and Biodiesel Production from Different Waste Resources in Sudan Deputy Project Manager (Ministry of Higher Education and Scientific Research/Scientific Research and Innovation Authority/Sudan) (May 2017-)(On-going Project).*

Supervision Experience

Master's Degree

1- Mr. Mebrouk Mekaoussi (Completed, July 2017) (Erciyes University, Turkey) (Main supervisor).
Thesis Title: *Evaluation, characterization and engine performance of complementary fuel blends of butanol-biodiesel-diesel blends from Aleurites moluccanus as potential alternative fuels for ci engines*

2- Mr. Ramiz Rafel Abdulwahhab Al-Samaraae (On-going) (Erciyes University, Turkey) (Main supervisor).

3- Mr. Mahmood Noaman Mohammed (On-going) (Erciyes University, Turkey) (Main supervisor).

PhD Degree

1- Mr. Selcuk Sarikoc (On-going) (Erciyes University, Turkey) (Co-Supervisor).

2- Ms. Mey Ahmed Hamed (On-going) (Sudan University of Science and Technology, Sudan) (Co-Supervisor/External).

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