

Sr. No.	Impact Factor	Paper Detail
2019 & Previous		
1.	3.852	Gul, M., H. H. Masjuki, M. A. Kalam, N. W. M. Zulkifli, and M. A. Mujtaba . "A review: role of fatty acids composition in characterizing potential feedstock for sustainable green lubricants by advance transesterification process and its global as well as Pakistani prospective." <i>BioEnergy Research</i> (2019): 1-22.
2.	2.902	Gul, M., Asad Naeem Shah, Umair Aziz, Naveed Husnain, M. A. Mujtaba , Tasmiya Kousar, Rauf Ahmad, and Muhammad Farhan Hanif. "Grey-Taguchi and ANN based optimization of a better performing low-emission diesel engine fueled with biodiesel." <i>Energy Sources, Part A: Recovery, Utilization, and Environmental Effects</i> (2019): 1-14.
3.		M. A. Munir , M. A. Zaheer, M. Haider, M. Z. Rafique, M. A. Rasool, and M. S. Amjad, "Problems and Barriers Affecting Total Productive Maintenance Implementation", Eng. Technol. Appl. Sci. Res., vol. 9, no. 5, pp. 4818–4823, Oct. 2019.
4.	11.889	Funke, A., A. Niebel, D. Richter, M. M. Abbas , A-K. Müller, S. Radloff, M. Paneru, J. Maier, N. Dahmen, and J. Sauer. "Fast pyrolysis char–Assessment of alternative uses within the bioliq® concept." <i>Bioresource technology</i> 200 (2016): 905-913.
5.	6.0	Almustapha, Muhammad Nurudeen, Muhammad Farooq , and John M. Andresen. "Sulphated zirconia catalysed conversion of high density polyethylene to value-added products using a fixed-bed reactor." <i>Journal of Analytical and Applied Pyrolysis</i> 125 (2017): 296-303. https://doi.org/10.1016/j.jaap.2017.03.013
6.		Farooq, M., et al. "Design and Analysis of Packed Bed Activated Carbon Reactor for the Enrichment of Biogas." <i>Technical Journal of University of Engineering & Technology Taxila</i> 21.1 (2016).
7.		Siddiqui, F. A., Hayat, N., Farhan, M., Farooq, M. , & Bilal, H. (2009). Effect of phase angle on the efficiency of beta type Stirling engine. <i>Journal of Faculty of Engineering & Technology</i> , 22(2), 99-109.
8.		Bilal, H., Alami, A. H., Farooq, M. , Qamar, A., & Siddiqui, F. A. (2016). The economic analysis of portable photo-voltaic reverse osmosis (PVRO) system. <i>Technical Journal</i> , 21, 1-6.
9.		Qamar, A., Farooq, M. , Amjad, M., Bilal, H., & Sultan, M. M. (2009). Effect of Heat Sink Configuration on the COP of Thermoelectric Vaccine Refrigerator. <i>Journal of Faculty of Engineering & Technology</i> , 23(1), 33-43.
10.		Farooq, M., et al. "experimental analysis of performance characteristics of diesel engine using biodiesel blends prepared with ethanol." <i>journal of faculty of engineering & technology</i> 22.1 (2015): 147-156.
11.		Qamar, A., Farooq, M. , Amjad, M., Syed, M. S., & Yousaf, A. (2015). Performance Analysis of a Directly Coupled Solar Powered Thermoelectric Refrigeration System. <i>Journal of Faculty of Engineering & Technology</i> , 22(1), 157-169.
12.		ASIM, M., KAMRAN, M. S., FAROOQ, M. , AMJAD, M., & QAMAR, A. (2015). Modelling Of Optimized Stand-Alone Pv System For Basic Domestic Energy Use In Pakistan. <i>Journal of Faculty of Engineering & Technology</i> , 22(2), 61-68.
13.		SYED, M. S., Chaudhry, I. A., Farooq, M. , & Qamar, A. (2014). Modeling and forecasting of energy scenario in Pakistan with application of decentralized energy planning. <i>Journal of Faculty of Engineering & Technology</i> , 21(3), 11-24.
14.		Shah, A. N., Mir, F., & Farooq, M. (2014). An Optimized Thermal Analysis of Electronic Unit Used in Aircraft. <i>Pakistan Journal of Engineering and Applied Sciences</i> .
15.		Farooq, M., et al. "Biogas up gradation for power generation applications in Pakistan." <i>Journal of Quality and Technology Management</i> 8.2 (2012): 107-118.

A. Abstracts published/ Proceedings/Scopus/Book Chapters

S#	Title	Year
1	Hosamai, Anand K., Chetan C. Jadhav, Manzoore Elahi M. Soudagar, Sher Afghan Khan, M. A. Mujtaba , and Harpal Singh. "A novel methodology to simulate a hydraulic power pack for a portable tilting furnace in small foundry applications." In AIP Conference Proceedings, vol. 2800, no. 1. AIP Publishing, 2023.	2023
2	Hosamai, Anand K., Raju N. Patil, Manzoore Elahi M. Soudagar, M. A. Mujtaba , Waqar Ahmed, and Harpal Singh. "Investigation of double pipe heat exchanger by use of several nanofluids with vary of base fluids-A computational fluid dynamics analysis." In AIP Conference Proceedings, vol. 2800, no. 1. AIP Publishing, 2023.	2023
3	Imran, Shahab, M. Gul, M. A. Kalam, N. W. M. Zulkifli, M. A. Mujtaba , M. N. A. M. Yusoff, and M. S. N. Awang. "Effect of various nanoparticle biodiesel blends on thermal efficiency and exhaust pollutants." International Journal of Energy and Environmental Engineering (2023): 1-12.	2023
4	Asfahan, H. M., Sultan, M., Ahmad, F., Majeed, F., Ahamed, M. S., Aziz, M., ... & Farooq, M. (2022). Agrovoltaic and Smart Irrigation: Pakistan Perspective. In <i>Irrigation and Drainage-Recent Advances</i> . IntechOpen. DOI: 10.5772/intechopen.106973	2023
5	Imran Zahid, M. Farooq, M. Farhan, "Phase Change Materials (PCMs) 2023, https://link.springer.com/chapter/10.1007/978-981-99-5475-9_2	2023
6	Hussain, Abrar, Dmitri Goljandin, Vitali Podgursky, Muhammad Mujtaba Abbas , and Illia Krasnou. "Experimental mechanics analysis of recycled polypropylene-cotton composites for commercial applications." Advanced Industrial and Engineering Polymer Research (2022).	2022
7	Veza, Ibham, Anh Tuan Hoang, Muhammad Mujtaba Abbas , Noreffendy Tamaldin, Muhammad Idris, Djati Wibowo Djamari, Ahmed Sule, Eka Maulana, Nicky Rahmana Putra, and A. C. Opia. "Microalgae and Macroalgae for Third-Generation Bioethanol Production." In Liquid Biofuels: Bioethanol, pp. 301-331. Springer, Cham, 2022.	2022
8	Sulthana, Razia, Syed Noeman Taqui, Usman Taqui Syed, Manzoore Elahi M. Soudagar, M. A. Mujtaba , Rayees Afzal Mir, Kiran Shahapurkar et al. "Biosorption of crystal violet by nutraceutical industrial fennel seed spent equilibrium, kinetics, and thermodynamic studies." Biocatalysis and Agricultural Biotechnology 43 (2022): 102402.	2022
9	Gul M., Kalam M.A., Zulkifli N.W.M., Masjuki H.H., Mujtaba M.A. (2022) The Comparison of Tribological Characteristics of TMP Based Cotton-Bio Lubricant and Commercial Lubricant for Cylinder Liner-Piston Ring Combination.	2022
10	Farooq, M., et al. "Carbon Capture for Sustainable Environment in Developing Countries. " Energy and Environmental Security in Developing Countries (2021): 525-544. https://doi.org/10.1007/978-3-030-63654-8_21	2021
11	Imran, M., Muhammad, H. A., Sher, F., Farooq, M. , Baik, Y. J., & Rehman, Z. (2021). Exergoeconomic optimization of a binary geothermal power plant. In Thermodynamic Analysis and Optimization of Geothermal Power Plants (pp. 315-326). Elsevier. https://doi.org/10.1016/B978-0-12-821037-6.00001-9	2021
12	Gul, M., M. A. Mujtaba , H. H. Masjuki, M. A. Kalam, and N. W. M. Zulkifli. "Methods for Biodiesel Production." Biodiesel Technology and Applications (2021): 267-283.	2021
13	Awang, Muhamad Sharul Nizam, Nurin Wahidah Mohd Zulkifli, Abul Kalam, Muhammad Mujtaba Abbas , Muhammad Hazwan Ahmad, Syahir Amzar Zulkifli, Mohd Nur Ashraf Mohd Yusoff, Wan Mohd Ashri Wan Daud, Neneng Siti Silfi Ambarwati, and Rose Fadzilah Abdullah. "Carbon nanotube as effective enhancer for performance and emission of diesel engine fueled with waste plastic pyrolytic oil-diesel blend and its combination with titanium oxide nanoparticle." Jurnal Tribologi 31 (2021): 97-114.	2021
14	Sathish, T. and Arunkumar, M. and Rajan, K. and Mohanavel, V. and Soudagar, Manzoore Elahi M. and Mujtaba, MA and Salmen, Saleh H. and Shahapurkar, Kiran and Alfarraj, Saleh and Sivakumar, S., Processing of Azadirachta Indica Biodiesel Blend with Ethanol and Diesel and Application in Diesel Engine for Emission Profile. Available at SSRN: https://ssrn.com/abstract=3994491 or http://dx.doi.org/10.2139/ssrn.3994491	2021
15	Hussain, A., and M. M. Abbas . "A Review of Elemental Mass Origin and Fundamental Forces Unification for Nuclear and Aero-space Industries." J Mod Nanotechnol 1, no. 1 (2021): 2.	2021

16	Awang, Muhamad Sharul Nizam, Nurin Wahidah Mohd Zulkifli, Muhammad Mujtaba Abbas , Syahir Amzar Zulkifli, Mohd Nur Ashraf Mohd Yusoff, Muhammad Hazwan Ahmad, and Wan Mohd Ashri Wan Daud. "Effect of blending local plastic pyrolytic oil with diesel fuel on lubricity." <i>Jurnal Tribologi</i> 27 (2020): 143-157.	2020
17	Funke, A., M. M. Abbas , and N. Dahmen. "Upgrading of Fast Pyrolysis Byproducts for Material Use with High Value." (2015).	2015