

Sr. No.	Impact Factor	Paper Detail
Year 2020		
1.	3.4	Razzaq, L., Imran, S., Anwar, Z., Farooq, M. , Abbas, M. M., Mehmood Khan, H., ... & Rahman, S. A. (2020). Maximising yield and engine efficiency using optimised waste cooking oil biodiesel. <i>Energies</i> , 13(22), 5941. https://doi.org/10.3390/en13225941
2.	2.1	Khan, M. B., Kazim, A. H., Shabbir, A., Farooq, M. , H., Ali, Q., ... & Abdul Rab, H. (2020). Performance and emission analysis of high purity biodiesel blends in diesel engine. <i>Advances in Mechanical Engineering</i> , 12(11), 1687814020974156. https://doi.org/10.1177/1687814020974156
3.	4.1	Khan, M. I., A. H. Kazim, G. M. Uddin, J. Sarwar, M. Farooq , M. R. Danish, and A. Shabbir. "Thermoelectric waste heat recovery of an automotive IC engine using (Na, K) co-doped polycrystalline tin selenide (SnSe). <i>Therm Sci</i> 2021; 25 (1) Part A: 407-419." https://doi.org/10.2298/TSCI200620300K
4.	4.1	Asim, M., Anwar, Z., Farooq, M., Shaukat, R., Imran, S., Abbas, M., & Ali, Q. (2022). Flow boiling heat transfer characteristics of low global warming potential refrigerants in a vertical mini-channel. <i>Thermal Science</i> , 26(1 Part A), 63-76. https://doi.org/10.2298/TSCI200601327A
5.	3.2	Mujtaba, M. A., Masjuki, H. H., Kalam, M. A., Noor, F., Farooq, M. , Ong, H. C., ... & Razzaq, L. (2020). Effect of additivized biodiesel blends on diesel engine performance, emission, tribological characteristics, and lubricant tribology. <i>Energies</i> , 13(13), 3375. https://doi.org/10.3390/en13133375
6.	2.7	Khan, H., Soudagar, M. E. M., Kumar, R. H., Safaei, M. R., Farooq, M. , Khidmatgar, A., ... & Taqui, S. N. (2020). Effect of nano-graphene oxide and n-butanol fuel additives blended with diesel— <i>Nigella sativa</i> biodiesel fuel emulsion on diesel engine characteristics. <i>Symmetry</i> , 12(6), 961. https://doi.org/10.3390/sym12060961
7.	8.7	Mujtaba, M. A., Masjuki, H. H., Kalam, M. A., Ong, H. C., Gul, M., Farooq, M. , ... & Yusoff, M. N. A. M. (2020). Ultrasound-assisted process optimization and tribological characteristics of biodiesel from palm-sesame oil via response surface methodology and extreme learning machine-Cuckoo search. <i>Renewable Energy</i> , 158, 202-214. https://doi.org/10.1016/j.renene.2020.05.158
8.	3.9	Ijaz, M., Farooq, M. , Moeenuddin, G., Nawaz, S., Soudagar, M. E. M., ... & Ali, Q. (2021). Numerical investigation of particles characteristics on cyclone performance for sustainable environment. <i>Particulate Science and Technology</i> , 39(4), 495-503. https://doi.org/10.1080/02726351.2020.1768610
9.	3.0	Uddin, G.M., Arafat, S.M., Ashraf, W.M., Asim, M., Bhutta, M.M.A., Jatoi, H.U.K., Niazi, S.G., Jamil, A., Farooq, M. , Ghufuran, M. and Jawad, M., 2020. Artificial intelligence-based emission reduction strategy for limestone forced oxidation flue gas desulfurization system. <i>Journal of Energy Resources Technology</i> , 142(9), p.092103. https://doi.org/10.1115/1.4046468
10.	1.7	Uddin, G. M., Niazi, S. G., Arafat, S. M., Kamran, M. S., Farooq, M. , Hayat, N., ... & Chaudhry, I. A. (2020). Neural networks assisted computational aero-acoustic analysis of an isolated tire. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 234(10-11), 2561-2577. https://doi.org/10.1177/0954407020915104
11.	2.042	Ahmed, Waqar, Muhammad Amin, Khaleeq Ahmed, Shahid Mehmood, H. Fayaz, M. A. Mujtaba , Manzoore Elahi M. Soudagar, and Mustabshirha Gul. "Characteristics investigation of silicone rubber-based RTV/ μ ATH@ nSiO ₂ micro/nano composites for outdoor high voltage insulation." <i>Journal of Dispersion Science and Technology</i> (2020): 1-14.
12.	3.662	Khan, Yusuf, Shahid Bashir, Maryam Hina, S. Ramesh, K. Ramesh, M. A. Mujtaba , and Indranil Lahiri. "Effect of Charge Density on the Mechanical and Electrochemical Properties of Poly (acrylic acid) Hydrogel Electrolytes Based Flexible Supercapacitors." <i>Materials Today Communications</i> 25 (2020): 101558.
13.	4.967	Bashir, Shahid, Maryam Hina, Javed Iqbal, A. H. Rajpar, M. A. Mujtaba , N. A. Alghamdi, S. Wageh, K. Ramesh, and S. Ramesh. "Fundamental Concepts of Hydrogels: Synthesis, Properties, and Their Applications." <i>Polymers</i> 12, no. 11 (2020): 2702.

14.	4.936	Gul, M., M. A. Kalam, M. A. Mujtaba , Saira Alam, M. Nasir Bashir, Iqra Javed, Umair Aziz, M. Rizwan Farid, M. Tahir Hassan, and Shahid Iqbal. "Multi-objective-optimization of process parameters of industrial-gas-turbine fueled with natural gas by using Grey-Taguchi and ANN methods for better performance." <i>Energy Reports</i> 6 (2020): 2394-2402.
15.	8.035	Mujtaba, M. A. , M. A. Kalam, H. H. Masjuki, M. Gul, Manzoore Elahi M. Soudagar, Hwai Chyuan Ong, Waqar Ahmed, A. E. Atabani, L. Razzaq, and Mnam Yusoff. "Comparative study of nanoparticles and alcoholic fuel additives-biodiesel-diesel blend for performance and emission improvements." <i>Fuel</i> 279 (2020): 118434.
16.	4.936	Mujtaba, M. A. , Haeng Muk Cho, H. H. Masjuki, M. A. Kalam, H. C. Ong, M. Gul, M. H. Harith, and M. N. A. M. Yusoff. "Critical review on sesame seed oil and its methyl ester on cold flow and oxidation stability." <i>Energy Reports</i> 6 (2020): 40-54.
17.	3.252	Marikatti, Mahantesh, N. R. Banapurmath, V. S. Yaliwal, Y. H. Basavarajappa, Manzoore Elahi M. Soudagar, Fausto Pedro García Márquez, M. A. Mujtaba et al. "Hydrogen injection in a dual fuel engine fueled with low-pressure injection of methyl ester of thevetia peruviana (METP) for diesel engine maintenance application." <i>Energies</i> 13, no. 21 (2020): 5663.
18.	4.755	Soudagar, M.E.M., Afzal, A., Safaei, M.R., Manokar, A.M., EL-Seesy, A.I., Mujtaba, M.A. , Samuel, O.D., Badruddin, I.A., Ahmed, W., Shahapurkar, K. and Goodarzi, M., 2020. Investigation on the effect of cottonseed oil blended with different percentages of octanol and suspended MWCNT nanoparticles on diesel engine characteristics. <i>Journal of Thermal Analysis and Calorimetry</i> , pp.1-18.
19.	8.035	Gul, M., Zulkifli, N.W.M., Masjuki, H.H., Kalam, M.A., Mujtaba , M.A., Harith, M.H., Syahir, A.Z., Ahmed, W. and Farooq, A.B., 2020. Effect of TMP-based-cottonseed oil-biolubricant blends on tribological behavior of cylinder liner-piston ring combinations. <i>Fuel</i> , 278, p.118242.
20.	8.634	Mujtaba, M. A. , H. H. Masjuki, M. A. Kalam, Hwai Chyuan Ong, M. Gul, M. Farooq, Manzoore Elahi M. Soudagar, Waqar Ahmed, M. H. Harith, and M. N. A. M. Yusoff. "Ultrasound-assisted process optimization and tribological characteristics of biodiesel from palm-sesame oil via response surface methodology and extreme learning machine-Cuckoo search." <i>Renewable Energy</i> 158 (2020): 202-214.
21.	4.996	Soudagar, Manzoore Elahi M., N. R. Banapurmath, Asif Afzal, Nazia Hossain, Muhammad Mujtaba Abbas , Mhd Abd Cader Mhd Haniffa, Bharat Naik, Waqar Ahmed, Sabzoi Nizamuddin, and N. M. Mubarak. "Study of diesel engine characteristics by adding nanosized zinc oxide and diethyl ether additives in Mahua biodiesel–diesel fuel blend." <i>Scientific reports</i> 10, no. 1 (2020): 1-17.
22.	3.852	Yusoff, Mohd Nur Ashraf Mohd, Nurin Wahidah Mohd Zulkifli, Nazatul Liana Sukiman, Ong Hwai Chyuan, Masjuki Haji Hassan, Muhammad Harith Hasnul, Muhammad Syahir Amzar Zulkifli, Muhammad Mujtaba Abbas , and Muhammad Zulfattah Zakaria. "Sustainability of palm biodiesel in transportation: a review on biofuel standard, policy and international collaboration between Malaysia and Colombia." <i>Bioenergy research</i> (2020): 1-18.
23.	2.940	Khan, H., Soudagar, M.E.M., Kumar, R.H., Safaei, M.R., Farooq, M., Khidmatgar, A., Banapurmath, N.R., Farade, R.A., Abbas, M.M. , Afzal, A. and Ahmed, W., 2020. Effect of nano-graphene oxide and n-butanol fuel additives blended with diesel—Nigella sativa biodiesel fuel emulsion on diesel engine characteristics. <i>Symmetry</i> , 12(6), p.961.
24.	4.755	Ahmed, Waqar, S. N. Kazi, Z. Z. Chowdhury, M. R. B. Johan, Naveed Akram, M. A. Mujtaba , M. Gul, and C. S. Oon. "Experimental investigation of convective heat transfer growth on ZnO@ TiO ₂ /DW binary composites/hybrid nanofluids in a circular heat exchanger." <i>Journal of Thermal Analysis and Calorimetry</i> (2020): 1-20.
25.	2.940	S Gavhane, Rakhamaji, Ajit M Kate, Abhay Pawar, Mohammad Reza Safaei, Manzoore Elahi M Soudagar, Muhammad Mujtaba Abbas , Hafiz Muhammad Ali et al. "Effect of zinc oxide nano-additives and soybean biodiesel at varying loads and compression ratios on VCR diesel engine characteristics." <i>Symmetry</i> 12, no. 6 (2020): 1042.
26.	2.013	Asim, Muhammad, Zahid Anwar, Muhammad Farooq, Rabia Shaukat, Shahid Imran, Mujtaba Abbas , and Qasim Ali. "Flow boiling heat transfer characteristics of low GWP refrigerants in a vertical mini-channel." <i>Thermal Science</i> 00 (2020): 327-327.
27.	3.252	Razzaq, L., Imran, S., Anwar, Z., Farooq, M., Abbas, M.M. , Mehmood Khan, H., Asif, T., Amjad, M., Soudagar, M.E.M., Shaukat, N. and Rizwanul Fattah, I.M., 2020. Maximising Yield and Engine Efficiency Using Optimised Waste Cooking Oil Biodiesel. <i>Energies</i> , 13(22), p.5941.

28.	3.252	Sattar, Abdul, Muhammad Farooq, Muhammad Amjad, Muhammad A. Saeed, Saad Nawaz, M. A. Mujtaba , Saqib Anwar et al. "Performance Evaluation of a Direct Absorption Collector for Solar Thermal Energy Conversion." <i>Energies</i> 13, no. 18 (2020): 4956.
29.	3.252	Hussain, Fayaz, Manzoore Elahi M. Soudagar, Asif Afzal, M. A. Mujtaba , I. M. Fattah, Bharat Naik, Mohammed Huzaifa Mulla et al. "Enhancement in combustion, performance, and emission characteristics of a diesel engine fueled with Ce-ZnO nanoparticle additive added to soybean biodiesel blends." <i>Energies</i> 13, no. 17 (2020): 4578.
30.	3.252	Mujtaba, M. A. , H. H. Masjuki, M. A. Kalam, Fahad Noor, Muhammad Farooq, Hwai Chyuan Ong, M. Gul et al. "Effect of additivized biodiesel blends on diesel engine performance, emission, tribological characteristics, and lubricant tribology." <i>Energies</i> 13, no. 13 (2020): 3375.
31.	3.889	Razzaq, Luqman, Muhammad Farooq, M. A. Mujtaba , Farooq Sher, Muhammad Farhan, Muhammad Tahir Hassan, Manzoore Elahi M. Soudagar, A. E. Atabani, M. A. Kalam, and Muhammad Imran. "Modeling viscosity and density of ethanol-diesel-biodiesel ternary blends for sustainable environment." <i>Sustainability</i> 12, no. 12 (2020): 5186.