

Sr. No.	Impact Factor	Paper Detail
Year 2022		
1.	3.4	Zahid, I., M. Farooq , Farhan, M., Usman, M., Qamar, A., Imran, M., Alqahtani, M.A., Anwar, S., Sultan, M. and Javaid, M.Y., 2022. Thermal Performance Analysis of Various Heat Sinks Based on Alumina NePCM for Passive Cooling of Electronic Components: An Experimental Study. <i>Energies</i> , 15(22), p.8416. https://doi.org/10.3390/en15228416
2.	6.8	I. Zahid, M. Farhan, M. Farooq , M. Asim, M. Imran, Experimental investigation for thermal performance enhancement of various heat sinks using Al ₂ O ₃ NePCM for cooling of electronic devices, <i>Case Studies in Thermal Engineering</i> , 2022, 102553, https://doi.org/10.1016/j.csite.2022.102553
3.	3.8	Bilal, M., Sultan, M., Majeed, F., Farooq, M. , Sajjad, U., Ibrahim, S. M., ... & Ahmad, R. (2022). Investigating Adsorption-Based Atmospheric Water Harvesting Potential for Pakistan. <i>Sustainability</i> , 14(19), 12582. https://doi.org/10.3390/su141912582
4.	3.8	Asim, M., Qamar, A., Kanwal, A., Uddin, G. M., Abbas, M. M., Farooq, M. , ... & Shahapurkar, K. (2022). Opportunities and challenges for renewable energy utilization in Pakistan. <i>Sustainability</i> , 14(17), 10947. https://doi.org/10.3390/su141710947
5.	6.8	Qamar, A., Shaukat, R., Anwar, Z., Amjad, M., Farooq, M. , Abbas, M. M., ... & Soudagar, M. E. M. (2022). Heat transfer and pressure drop characteristics of ZnO/DIW based nanofluids in small diameter compact channels: An experimental study. <i>Case Studies in Thermal Engineering</i> , 2022, 39, 102441. https://doi.org/10.1016/j.csite.2022.102441
6.	3.2	Jamil, M. K., Akhtar, M., Farooq, M. , Abbas, M. M., Saad, Khuzaima, M., ... & Abdelrahman, A. (2022). Analysis of the Impact of Propanol-Gasoline Blends on Lubricant Oil Degradation and Spark-Ignition Engine Characteristics. <i>Energies</i> , 15(15), 5757. https://doi.org/10.3390/en15155757
7.	3.4	Asim, M., Usman, M., Hussain, J., Farooq, M., Naseer, M. I., Fouad, Y., ... & Almeahmadi, F. A. (2022). Experimental Validation of a Numerical Model to Predict the Performance of Solar PV Cells. <i>Frontiers in Energy Research</i> , 10, 873322. https://doi.org/10.3389/fenrg.2022.873322
8.	6.8	Farooq, M., et al. "Thermal performance enhancement of nanofluids based parabolic trough solar collector (NPTSC) for sustainable environment." <i>Alexandria Engineering Journal</i> (2022). https://doi.org/10.1016/j.aej.2022.02.029
9.	11.4	Farooq, M., et al. "In-situ regeneration of activated carbon with electric potential swing desorption (EPSD) for the H ₂ S removal from biogas." <i>Bioresource technology</i> 249 (2018): 125-131. https://doi.org/10.1016/j.biortech.2017.09.198
10.	2.3	Farooq, M., et al. "Bio-methane from an-aerobic digestion using activated carbon adsorption." <i>Anaerobe</i> 46 (2017): 33-40. https://doi.org/10.1016/j.anaerobe.2017.05.003
11.	3.2	Farooq, M., et al. "Thermodynamic performance analysis of hydrofluoroolefins (HFO) refrigerants in commercial air-conditioning systems for sustainable environment." <i>Processes</i> 8.2 (2020): 187. https://doi.org/10.3390/pr8020187
12.	3.8	Farooq, M. , Asim, M, Imran. M*, Imran. S, Ahmad. J, Younis. M. R, " Mapping past, current and future energy research trend in Pakistan: a scientometric assessment" <i>Scientometrics Journal</i> , Volume 117 (Issue 3) p. 1733-1753 (December-2018) https://doi.org/10.1007/s11192-018-2939-8 .
13.	4.2	Farooq, M., et al. "CO ₂ capture through electro-conductive adsorbent using physical adsorption system for sustainable development." <i>Environmental geochemistry and health</i> 42 (2020): 1507-1515. https://doi.org/10.1007/s10653-017-0036-1 .
14.	6.8	Rehman, S. U., Farooq, M. , Qamar, A., Usman, M., Ahmad, G., Sultan, M., ... & Siddiqui, F. A. (2022). Experimental investigation to thermal performance of different photo voltaic modules for efficient system design. <i>Alexandria Engineering Journal</i> , 61(12), 12623-12634. https://doi.org/10.1016/j.aej.2022.06.037

15.	3.9	Ahmad, G., Imran, S., Farooq, M. , Shah, A. N., Anwar, Z., Rehman, A. U., & Imran, M. (2023). Biodiesel Production from Waste Cooking Oil Using Extracted Catalyst from Plantain Banana Stem via RSM and ANN Optimization for Sustainable Development. <i>Sustainability</i> , 15(18), 13599. https://doi.org/10.3390/su151813599
16.	3.9	Razzaq, L., Farooq, M. , Mujtaba, M.A., Sher, F., Hassan, M.T., Soudagar, M.E.M., Atabani, A.E., Kalam, M.A. and Imran, M., 2020. Modeling viscosity and density of ethanol-diesel-biodiesel ternary blends for sustainable environment. <i>Sustainability</i> , 12(12), p.5186. https://doi.org/10.3390/su12125186
17.	4.0	Saeed, M.A., Farooq, M. , Anwar, A., Abbas, M.M., Soudagar, M.E.M., Siddiqui, F.A., Shakir, M.A., Nizami, A.S., Chaudhry, I.A., Pettinau, A. and Andrews, G.E., 2021. Flame propagation and burning characteristics of pulverized biomass for sustainable biofuel. <i>Biomass Conversion and Biorefinery</i> , 11, pp.409-417. https://doi.org/10.1007/s13399-020-00875-y
18.	3.4	Hussnain, S. A., Farooq, M. , Amjad, M., Riaz, F., Tahir, Z. U. R., Sultan, M., ... & Bokhari, A. (2021). Thermal Analysis and Energy Efficiency Improvements in Tunnel Kiln for Sustainable Environment. <i>Processes</i> , 9(9), 1629. https://doi.org/10.3390/pr9091629
19.	3.5	Usman, M., Farooq, M. , Naqvi, M., Saleem, M. W., Hussain, J., Naqvi, S. R., ... & Anukam, A. (2020). Use of gasoline, LPG and LPG-HHO blend in SI engine: A comparative performance for emission control and sustainable environment. <i>Processes</i> , 8(1), 74. https://doi.org/10.3390/pr8010074
20.	2.3	Nawaz, S., Kashif, M., Abbas, N., Farooq, M. , Farhan, M., Amjad, M., ... & Naqvi, R. A. (2020). Effect of defocused plane on entrance and exit hole geometry of high grade steel 18CrNi8 during percussion drilling by Nd: YAG millisecond laser system. <i>Materials Research Express</i> , 7(1), 016556. https://doi.org/10.1088/2053-1591/ab654c
21.	5.8	Almustapha, M.N., Farooq, M., Mohammed, M.L., Farhan, M. , Imran, M. and Andresen, J.M., 2020. Modification of acidic and textural properties of a sulphated zirconia catalyst for efficient conversion of high-density polyethylene into liquid fuel. <i>Environmental Science and Pollution Research</i> , 27, pp.55-65. https://doi.org/10.1007/s11356-019-04878-9
22.	3.9	Younis, M.R., Farooq, M. , Imran, M., Kazim, A.H. and Shabbir, A., 2021. Characterization of the viscosity of bio-oil produced by fast pyrolysis of the wheat straw. <i>Energy Sources, Part A: Recovery, Utilization, and Environmental Effects</i> , 43(15), pp.1853-1868. https://doi.org/10.1080/15567036.2019.1666181
23.	8.7	Saeed, M.A., Farooq, M. , Andrews, G.E., Phylaktou, H.N. and Gibbs, B.M., 2019. Ignition sensitivity of different compositional wood pellets and particle size dependence. <i>Journal of environmental management</i> , 232, pp.789-795. https://doi.org/10.1016/j.jenvman.2018.11.122
24.	11.2	Imran, S., Korakianitis, T., Shaikat, R., Farooq, M. , Condoor, S., & Jayaram, S. (2018). Experimentally tested performance and emissions advantages of using natural-gas and hydrogen fuel mixture with diesel and rapeseed methyl ester as pilot fuels. <i>Applied energy</i> , 229, 1260-1268. https://doi.org/10.1016/j.apenergy.2018.08.052
25.	8.0	Hafeez, S., Asim, M., Amjad, M. , Farooq, M. , Azhar, M., & Amjad, G. M. (2021). Estimation of daily diffuse solar radiation from clearness index, sunshine duration and meteorological parameters for different climatic conditions. <i>Sustainable Energy Technologies and Assessments</i> , 47, 101544. https://doi.org/10.1016/j.seta.2021.101544
26.	6.8	M. Imran, N. A. Pambudi, M. Farooq , Thermal and hydraulic optimization of plate heat exchanger using multi objective genetic algorithm, <i>Case Studies in Thermal Engineering</i> , Vol. 10 (2017) p. 570-578. https://doi.org/10.1016/j.csite.2017.10.003
27.	2.1	Farhan, M., Rizwan, H. M., Farooq, M. , Riaz, F., Tahir, Z. U. R., Sultan, M., ... & Zahid, I. (2021). Investigation of particles deposition in a square duct using optimized roughness elements for a sustainable environment. <i>Advances in Mechanical Engineering</i> , 13(9), 16878140211049029.

28.	7.4	Hussain, I., A. A. Jalil, N. S. Hassan, M. Farooq , M. A. Mujtaba, M. Y. S. Hamid, H. M. A. Sharif, W. Nabgan, M. A. H. Aziz, and A. H. K. Owgi. "Contemporary thrust and emerging prospects of catalytic systems for substitute natural gas production by CO methanation." <i>Fuel</i> (2021): 122604. https://doi.org/10.1016/j.fuel.2021.122604
29.	5.7	Sharif, H. M. A., Farooq, M* , Hussain, I., Ali, M., Mujtaba, M. A., Sultan, M., & Yang, B. (2021). Recent innovations for scaling up microbial fuel cell systems: Significance of physicochemical factors for electrodes and membranes materials. <i>Journal of the Taiwan Institute of Chemical Engineers</i> . https://doi.org/10.1016/j.jtice.2021.09.001
30.	8.0	Sultan, U., Zhang, Y., Farooq, M. , Imran, M., Khan, A.A., Zhuge, W., Khan, T.A., Yousaf, M.H. and Ali, Q., 2021. Qualitative assessment and global mapping of supercritical CO2 power cycle technology. <i>Sustainable Energy Technologies and Assessments</i> , 43, p.100978. http://dx.doi.org/10.1016/j.seta.2020.100978
31.	3.2	Sattar, A., Farooq, M. , Amjad, M., Saeed, M. A., Nawaz, S., Mujtaba, M. A., ... & Pettinau, A. (2020). Performance evaluation of a direct absorption collector for solar thermal energy conversion. <i>Energies</i> , 13(18), 4956. https://doi.org/10.3390/en13184956
32.	3.2	Arslan, M., Farooq, M. , Naqvi, M., Sultan, U., Tahir, Z. U. R., Nawaz, S., ... & Anukam, A. (2020). Impact of varying load conditions and cooling energy comparison of a double-inlet pulse tube refrigerator. <i>Processes</i> , 8(3), 352. https://doi.org/10.3390/pr8030352
33.	3.9	F. Riaz, K. H. Tan, M. Farooq , M. Imran, and P. S. Lee, "Energy Analysis of a Novel Ejector-Compressor Cooling Cycle Driven by Electricity and Heat (Waste Heat or Solar Energy)," <i>Sustainability</i> , vol. 12, no. 19, p. 8178, 2020. https://doi.org/10.3390/su12198178
34.	8.0	Amjad, M., Asim, M., Azhar, M., Farooq, M. , Ali, M. J., Ahmad, S. U., ... & Hussain, A. (2021). Improving the accuracy of solar radiation estimation from reanalysis datasets using surface measurements. <i>Sustainable Energy Technologies and Assessments</i> , 47, 101485. https://doi.org/10.1016/j.seta.2021.101485
35.	11.1	Habib, M. S., Omair, M., Ramzan, M. B., Chaudhary, T. N., Farooq, M. , & Sarkar, B. (2022). A robust possibilistic flexible programming approach toward a resilient and cost-efficient biodiesel supply chain network. <i>Journal of Cleaner Production</i> , 366, 132752. https://doi.org/10.1016/j.jclepro.2022.132752
36.	4.0	Sohoo, I., Ritzkowski, M., Sultan, M., Farooq, M. , & Kuchta, K. (2022). Conceptualization of bioreactor landfill approach for sustainable waste management in Karachi, Pakistan. <i>Sustainability</i> , 14(6), 3364. https://doi.org/10.3390/su14063364
37.	4.2	Kanwal, A., Tahir, Z. U. R., Asim, M., Hayat, N., Farooq, M. , Abdullah, M., & Azhar, M. (2023). Evaluation of reanalysis and analysis datasets against measured wind data for wind resource assessment. <i>Energy & Environment</i> , 34(5), 1258-1284. https://doi.org/10.1177/0958305X221084078
38.	2.9	Asrar Hussain, S. K., Usman, M., Umer, J., Farooq, M. , Noor, F., & Anjum, R. (2022). A novel analysis of n-butanol–gasoline blends impact on spark ignition engine characteristics and lubricant oil degradation. <i>Energy Sources, Part A: Recovery, Utilization, and Environmental Effects</i> , 1-15. https://doi.org/10.1080/15567036.2022.2036874
39.	4.6	Hussain, I., Jalil, A. A., Hamid, M. Y. S., Khoja, A. H., Farooq, M. , Sharif, H. M. A., ... & Nabgan, W. (2022). Substituted natural gas (SNG) production using an environment-friendly, metal-free modified beta zeolite (@ BEA) catalyst with a dandelion flower-like structure. <i>Molecular Catalysis</i> , 523, 112140. https://doi.org/10.1016/j.mcat.2022.112140
40.	2.1	Riaz, N., Sultan, M., Noor, S., Sajjad, U., Farooq, M. , Khan, M. U., ... & Riaz, F. (2022). Recent developments in adsorption heat pumps for heating applications. <i>Advances in Mechanical Engineering</i> , 14(4), 16878132221089444. https://doi.org/10.1177/16878132221089444
41.	4.2	Jathar, L.D., Ganesan, S., Shahapurkar, K., Soudagar, M.E.M., Mujtaba, M.A., Anqi, A.E., Farooq, M. , Khidmatgar, A., Goodarzi, M. and Safaei, M.R., 2022. Effect of various factors and diverse

		approaches to enhance the performance of solar stills: a comprehensive review. <i>Journal of Thermal Analysis and Calorimetry</i> , 147(7), pp.4491-4522. https://doi.org/10.1007/s10973-021-10826-y
42.	4.2	Jathar, L.D., Ganesan, S., Shahapurkar, K., Soudagar, M.E.M., Mujtaba, M.A., Anqi, A.E., Farooq, M. , Khidmatgar, A., Goodarzi, M. and Safaei, M.R., 2022. Effect of various factors and diverse approaches to enhance the performance of solar stills: a comprehensive review. <i>Journal of Thermal Analysis and Calorimetry</i> , 147(7), pp.4491-4522. https://doi.org/10.1007/s10973-021-10826-y
43.	2.1	Wasti, T. Z., Sultan, M., Aleem, M., Sajjad, U., Farooq, M. , Raza, H. M., ... & Noor, S. (2022). An overview of solid and liquid materials for adsorption-based atmospheric water harvesting. <i>Advances in Mechanical Engineering</i> , 14(3), 16878132221082768. https://doi.org/10.1177/16878132221082768
44.	4.6	Hussain, I., Jalil, A. A., Hamid, M. Y. S., Khoja, A. H., Farooq, M. , Sharif, H. M. A., ... & Nabgan, W. (2022). Substituted natural gas (SNG) production using an environment-friendly, metal-free modified beta zeolite (@ BEA) catalyst with a dandelion flower-like structure. <i>Molecular Catalysis</i> , 112140. https://doi.org/10.1016/j.mcat.2022.112140
45.	7.0	Bilal, M., Sultan, M., Morosuk, T., Den, W., Sajjad, U., Aslam, M. M., ... & Farooq, M. (2022). Adsorption-based atmospheric water harvesting: A review of adsorbents and systems. <i>International Communications in Heat and Mass Transfer</i> , 133, 105961. https://doi.org/10.1016/j.icheatmasstransfer.2022.105961
46.	3.447	Hussain, G., Aleem, M., Sultan, M., Sajjad, U., Ibrahim, S.M., Shamshiri, R.R., Farooq, M. , Usman Khan, M. and Bilal, M., 2022. Evaluating Evaporative Cooling Assisted Solid Desiccant Dehumidification System for Agricultural Storage Application. <i>Sustainability</i> , 14(3), p.1479. https://doi.org/10.3390/su14031479
47.	3.249	Ashraf, Hadeed, M. Sultan, Uzair Sajjad, M. Wakil Shahzad, Farooq, M* , Sobhy M. Ibrahim, Muhammad Usman Khan, and Muhammad Ahmad Jamil. "Potential Investigation of Membrane Energy Recovery Ventilators for the Management of Building Air-Conditioning Loads." <i>Energies</i> 15, no. 6 (2022): 2139. https://doi.org/10.3390/en15062139
48.	6.8	Ashraf, W. M., Rafique, Y., Uddin, G. M., Riaz, F., Asim, M., Farooq, M. , ... & Salman, C. A. (2022). Artificial intelligence based operational strategy development and implementation for vibration reduction of a supercritical steam turbine shaft bearing. <i>Alexandria Engineering Journal</i> , 61(3), 1864-1880.
49.	7.7	Javed, M. A., Zafar, A. M., Hassan, A. A., Zaidi, A. A., Farooq, M. , El Badawy, A., ... & Al-Zuhair, S. (2022). The role of oxygen regulation and algal growth parameters in hydrogen production via biophotolysis. <i>Journal of Environmental Chemical Engineering</i> , 10(1), 107003. https://doi.org/10.1016/j.jece.2021.107003
50.	9.0	Siddiqi, M.H., Liu, X.M., Hussain, M.A., Qureshi, T., Tabish, A.N., Lateef, H.U., Zeb, H., Farooq, M. , Nawaz, S. and Nawaz, S., 2022. Evaluation of physiochemical, thermal and kinetic properties of wheat straw by demineralising with leaching reagents for energy applications. <i>Energy</i> , 238, p.122013. https://doi.org/10.1016/j.energy.2021.122013
51.	3.889	Djamari, Djati Wibowo, Muhammad Idris, Permana Andi Paristiawan, Muhammad Mujtaba Abbas, Olusegun David Samuel, Manzoore Elahi M. Soudagar, Safarudin Gazali Herawan et al. "Diesel Spray: Development of Spray in Diesel Engine." <i>Sustainability</i> 14, no. 23 (2022): 15902.
52.	3.889	Tahir, Zia R., Ammara Kanwal, Muhammad Asim, M. Bilal, Muhammad Abdullah, Sabeena Saleem, M. A. Mujtaba, Ibhama Veza, Mohamed Mousa, and M. A. Kalam. "Effect of Temperature and Wind Speed on Efficiency of Five Photovoltaic Module Technologies for Different Climatic Zones." <i>Sustainability</i> 14, no. 23 (2022): 15810.
53.	3.889	Mushtaq, Muhammad Hammad, Fahad Noor, M. A. Mujtaba, Salman Asghar, Abdulfatah Abdu Yusuf, Manzoore Elahi M. Soudagar, Abrar Hussain, Mohamed Fathy Badran, and Kiran Shahapurkar. "Environmental Performance of Alternative Hospital Waste Management Strategies Using Life Cycle Assessment (LCA) Approach." <i>Sustainability</i> 14, no. 22 (2022): 14942.

54.	6.268	Siddiqi, H.-u.-R., A. Qamar, R. Shaukat, Z. Anwar, M. Amjad, M. Farooq, M. M. Abbas, S. Imran, H. Ali, T. M. Y. Khan, F. Noor, H. M. Ali, M. A. Kalam and M. E. M. Soudagar (2022). "Heat transfer and pressure drop characteristics of ZnO/DIW based nanofluids in small diameter compact channels: An experimental study." <i>Case Studies in Thermal Engineering</i> : 102441.
55.	3.858	Ditta, Allah, Asif Nadeem Tabish, MA ABBAS, Muhammad Amjad, Abdulfatah Abdu Yusuf, Ghulam Qadar Chaudhary, Luqman Razzaq, Anas Abdelrahman, and M. A. Kalam. "Experimental Investigation of Hybrid Configuration of Solar Thermal Collectors and Desiccant Indirect Evaporative Cooling System." <i>Frontiers in Energy Research</i> : 1432.
56.	5.47	Asghar, Salman, George Edward Torrens, Mamuna Iqbal, Hassan Iftikhar, and M. A. Mujtaba. "Cultural bias: a comparison of semantic responses by 126 students from Pakistan and the United Kingdom to a wheelchair when viewed against a congruent and incongruent background." <i>Disability and Rehabilitation: Assistive Technology</i> (2022): 1-13.
57.	2.902	Vallapudi Dhana Raju, Jayashri N Nair, Harish Venu, Lingesan Subramani, Manzoore Elahi M. Soudagar, MA Mujtaba, T.M. Yunus Khan, Khadiga Ahmed Ismail, Ashraf Elfakhany, Abdulfatah Abdu Yusuf, Badr A Mohamed & Islam M. R. Fattah (2022) Combined assessment of injection timing and exhaust gas recirculation strategy on the performance, emission and combustion characteristics of algae biodiesel powered diesel engine, <i>Energy Sources, Part A: Recovery, Utilization, and Environmental Effects</i> , 44:4, 8554-8571
58.	4.927	Khalid, Zunera, Maha Abdallah Alnuwaiser, Hafiz Adnan Ahmad, Syed Salman Shafqat, Munawar Ali Munawar, Kashif Kamran, Muhammad Mujtaba Abbas, M. A. Kalam, and Menna A. Ewida. "Experimental and Computational Analysis of Newly Synthesized Benzotriazinone Sulfonamides as Alpha-Glucosidase Inhibitors." <i>Molecules</i> 27, no. 20 (2022): 6783.
59.	3.858	Farhan, Muhammad, Muhammad Ihsan Shahid, Furqan Jamil, Muhammad Usman, M. A. Mujtaba, Muhammad Wajid Saleem, Syed Nasir et al. "Performance Evaluation of Compound Parabolic Solar Collector Using Different Hybrid Nanofluids: An Experimental Study." <i>Frontiers in Energy Research</i> : 1348.
60.	3.889	Jabeen, M.; Munir, M.; Abbas, M.M.; Ahmad, M.; Waseem, A.; Saeed, M.; Kalam, M.A.; Zafar, M.; Sultana, S.; Mohamed, A.; et al. Sustainable Production of Biodiesel from Novel and Non-Edible <i>Ailanthus altissima</i> (Mill.) Seed Oil from Green and Recyclable Potassium Hydroxide Activated <i>Ailanthus</i> Cake and Cadmium Sulfide Catalyst. <i>Sustainability</i> 2022, 14, 10962. https://doi.org/10.3390/su141710962
61.	3.889	Hassan, M.U.; Usman, M.; Bashir, R.; Naeem Shah, A.; Ijaz Malik, M.A.; Mujtaba, M.; Elkhatib, S.E.; Kalam, M.A. Tribological Analysis of Molybdenum Disulfide (MOS ₂) Additivated in the Castor and Mineral Oil Used in Diesel Engine. <i>Sustainability</i> 2022, 14, 10485. https://doi.org/10.3390/su141710485
62.	3.889	Asim, M.; Milano, J.; Khan, H.I.; Hanzla Tahir, M.; Mujtaba, M.A.; Shamsuddin, A.H.; Abdullah, M.; Kalam, M.A. Investigation of MonoCrystalline Photovoltaic Active Cooling Thermal System for Hot Climate of Pakistan. <i>Sustainability</i> 2022, 14, 10228. https://doi.org/10.3390/su141610228
63.	3.889	Akhtar, M.T.; Ahmad, M.; Asma, M.; Munir, M.; Zafar, M.; Sultana, S.; Mujtaba, M.A.; Mohamed, A.; Kalam, M.A. Efficient Production of Wild and Non-Edible <i>Brassica juncea</i> (L.) Czern. Seed Oil into High-Quality Biodiesel via Novel, Green and Recyclable NiSO ₄ Nano-Catalyst. <i>Sustainability</i> 2022, 14, 10188. https://doi.org/10.3390/su141610188
64.	3.252	Jamil, Muhammad Kashif, Maaz Akhtar, Muhammad Farooq, Muhammad Mujtaba Abbas, Muhammad Khuzaima, Khurshid Ahmad, Md Abul Kalam, and Anas Abdelrahman. "Analysis of the Impact of Propanol-Gasoline Blends on Lubricant Oil Degradation and Spark-Ignition Engine Characteristics." <i>Energies</i> 15, no. 15 (2022): 5757.
65.	3.748	Choukimath, Mantesh C., Nagaraj R. Banapurmath, Fahid Riaz, Arun Y. Patil, Arun R. Jalawadi, M. A. Mujtaba, Kiran Shahapurkar et al. "Experimental and Computational Study of Mechanical and Thermal Characteristics of h-BN and GNP Infused Polymer Composites for Elevated Temperature Applications." <i>Materials</i> 15, no. 15 (2022): 5397.

66.	3.858	Asim, Muhammad, Muhammad Usman, Jafar Hussain, Muhammad Farooq, Muhammad Irfan Naseer, M. A. Mujtaba, Fahad Awjah Almeahmadi, and Yasser Fouad. "Experimental Validation of Numerical Model to predict the performance of Solar PV cells." <i>Frontiers in Energy Research</i> : 735.
67.	3.889	Ameen, Maria, Mushtaq Ahmad, Muhammad Zafar, Mamoon Munir, Muhammad Mujtaba Abbas, Shazia Sultana, Samah Elsayed Elkhatib, Manzoore Elahi M. Soudagar, and M. A. Kalam. "Prospects of Catalysis for Process Sustainability of Eco-Green Biodiesel Synthesis via Transesterification: A State-Of-The-Art Review." <i>Sustainability</i> 14, no. 12 (2022): 7032.
68.	3.889	Asim, Muhammad, Shoaib Muhammad, Muhammad Amjad, Muhammad Abdullah, M. A. Mujtaba, M. A. Kalam, Mohamed Mousa, and Manzoore Elahi M. Soudagar. "Design and Parametric Optimization of the High-Speed Pico Waterwheel for Rural Electrification of Pakistan." <i>Sustainability</i> 14, no. 11 (2022): 6930.
69.	3.889	Razzaq, Luqman, Muhammad Mujtaba Abbas, Sajjad Miran, Salman Asghar, Saad Nawaz, Manzoore Elahi M. Soudagar, Nabeel Shaukat, Ibhram Veza, Shahid Khalil, Anas Abdelrahman, and Muhammad A. Kalam. 2022. "Response Surface Methodology and Artificial Neural Networks-Based Yield Optimization of Biodiesel Sourced from Mixture of Palm and Cotton Seed Oil" <i>Sustainability</i> 14, no. 10: 6130. https://doi.org/10.3390/su14106130
70.	3.748	Rafique, Muhammad, Neelam Safdar, Muneeb Irshad, Muhammad Usman, Maaz Akhtar, Muhammad Wajid Saleem, Muhammad Mujtaba Abbas, Ahmed Ashour, and Manzoore Elahi Soudagar. 2022. "Influence of Low Sintering Temperature on BaCe _{0.2} Zr _{0.6} Y _{0.2} O _{3-δ} IT-SOFC Perovskite Electrolyte Synthesized by Co-Precipitation Method" <i>Materials</i> 15, no. 10: 3585. https://doi.org/10.3390/ma15103585
71.	2.663	Hussain, Abrar, Vitali Podgursky, Maksim Antonov, Muhammad Mujtaba Abbas, and Muhammad Rizwan Awan. "Tungsten carbide material tribology and circular economy relationship in polymer and composites industries." <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> (2022): 14644207221096929.
72.	1.814	Shahapurkar, Kiran, Mengistu Gelaw, Vineet Tirth, Manzoore Elahi M. Soudagar, Pavan Shahapurkar, M. A. Mujtaba, Kiran MC, and Gulam Mohammed Sayeed Ahmed. "Comprehensive review on polymer composites as electromagnetic interference shielding materials." <i>Polymers and Polymer Composites</i> 30 (2022): 09673911221102127.
73.	1.024	Hussain, A., Podgursky, V., Goliandin, D., Antonov, M., Kumar, R., Kamboj, N., Ahranjani, R.R., Viljus, M., Ahmad, T., Farid, M.M. and Abbas, M.M., 2022. Tribological and circular economy aspects of polypropylene/cotton fibre hybrid composite. <i>Proceedings of the Estonian Academy of Sciences</i> , 71(2).
74.	3.889	Asim, Muhammad, Muhammad Usman, Muhammad Salman Abbasi, Saad Ahmad, M. A. Mujtaba, Manzoore Elahi M. Soudagar, and Abdullah Mohamed. 2022. "Estimating the Long-Term Effects of National and International Sustainable Transport Policies on Energy Consumption and Emissions of Road Transport Sector of Pakistan" <i>Sustainability</i> 14, no. 9: 5732. https://doi.org/10.3390/su14095732
75.	8.035	Veza, I.; Deniz Karaoglan, A.; Ileri, E.; Afzal, A.; Tuan Hoang, A.; Tamaldin, N.; Gazali Herawan, S.; M.A. Mujtaba.; Farid Muhamad Said, M. Multi-objective optimization of diesel engine performance and emission using grasshopper optimization algorithm. <i>Fuel</i> 2022, 323, 124303, doi: https://doi.org/10.1016/j.fuel.2022.124303 .
76.	3.352	Ahmed, Wajahat, Muhammad Usman, Muhammad Haris Shah, Muhammad Mujtaba. Abbas, Muhammad W. Saleem, Muhammad A. Kalam, and Omar Mahmoud. 2022. "A Comparison of Performance, Emissions, and Lube Oil Deterioration for Gasoline–Ethanol Fuel" <i>Processes</i> 10, no. 5: 876. https://doi.org/10.3390/pr10050876
77.	3.889	Khan, Haris Mahmood, Tanveer Iqbal, Saima Yasin, Muhammad Irfan, Muhammad Mujtaba Abbas, Ibhram Veza, Manzoore Elahi M. Soudagar, Anas Abdelrahman, and Md Abul Kalam. "Heterogeneous Catalyzed Biodiesel Production Using Cosolvent: A Mini Review." <i>Sustainability</i> 14, no. 9 (2022): 5062.

78.	1.814	Hallad, S.A., Ganachari, S.V., Soudagar, M.E.M., Banapurmath, N.R., Hunashyal, A.M., Fattah, I.M., Hussain, F., Mujtaba, M.A., Afzal, A., Kabir, M.S. and Elfasakhany, A., 2022. Investigation of flexural properties of epoxy composite by utilizing graphene nanofillers and natural hemp fibre reinforcement. <i>Polymers and Polymer Composites</i> , 30, p.09673911221093646.
79.	6.626	M.N.A.M. Yusoff, N.W.M. Zulkifli, N.L. Sukiman, M.A. Kalam, H.H. Masjuki, A.Z. Syahir, M.S.N. Awang, M.A. Mujtaba, J. Milano, A.H. Shamsuddin, Microwave irradiation-assisted transesterification of ternary oil mixture of waste cooking oil – <i>Jatropha curcas</i> – Palm oil: Optimization and characterization, <i>Alexandria Engineering Journal</i> 61(12) (2022) 9569-9582
80.	8.857	Yaqoob, H., Teoh, Y.H., Sher, F., Jamil, M.A., Ali, M., Ağbulut, Ü., Salam, H.A., Arslan, M., Soudagar, M.E.M., Mujtaba, M.A. and Elfasakhany, A., 2022. Energy, exergy, sustainability and economic parameters of petrol blended with iron oxide-graphite nanoparticles and tire pyrolysis oil in spark-ignition engine. <i>Energy</i> , p.123697.
81.	8.035	T. Sathish, V. Mohanavel, M. Arunkumar, K. Rajan, M.E.M. Soudagar, M.A. Mujtaba, S.H. Salmen, S. Al Obaid, H. Fayaz, S. Sivakumar, Utilization of <i>Azadirachta indica</i> biodiesel, ethanol and diesel blends for diesel engine applications with engine emission profile, <i>Fuel</i> 319 (2022) 123798.
82.	7.139	S.S. Halewadimath, N.R. Banapurmath, V.S. Yaliwal, M.G. Prasad, S.S. Jalihal, M.E.M. Soudagar, H. Yaqoob, M.A. Mujtaba, K. Shahapurkar, M.R. Safaei, Effect of manifold injection of hydrogen gas in producer gas and neem biodiesel fueled CRDI dual fuel engine, <i>International Journal of Hydrogen Energy</i> (2022).
83.	2.098	Gujjar, Sandeep V., Nandini Nadar, Kanaram Choudhary, Anand M. Hunashyal, Kiran Shahapurkar, M. A. Mujtaba, Mohammed Asadullah et al. "Investigation of Various Coating Resins for Optimal Anticorrosion and Mechanical Properties of Mild Steel Surface in NaCl Solution." <i>Advances in Materials Science and Engineering 2022</i> (2022).
84.	1.442	Awang, Muhamad Sharul Nizam, Nurin Wahidah Mohd Zulkifli, Muhammad Mujtaba Abbas, Muhammad Syahir Amzar Zulkifli, Md Abul Kalam, Mohd Nur Ashraf Mohd Yusoff, Muhammad Hazwan Ahmad, and Wan Mohd Ashri Wan Daud. "Effect of plastic pyrolytic oil and waste cooking biodiesel on tribological properties of palm biodiesel–diesel fuel blends." <i>Industrial Lubrication and Tribology</i> (2022).
85.	7.632	H. Fayaz, S. Rasachak, M. Shakeel Ahmad, L. Kumar, B. Zhang, JeyrajSelvaraj, M.A. Mujtaba, M. Elahi M. Soudagar, R. Kumar, M. Rasoul Omidvar, Improved surface temperature of absorber plate using metallic titanium particles for solar still application, <i>Sustainable Energy Technologies and Assessments</i> 52 (2022) 102092.
86.	4.755	Basha, J. Sadhik, Montaha Al Balushi, Manzoore Elahi M. Soudagar, Mohammad Reza Safaei, M. A. Mujtaba, T. M. Khan, Nazia Hossain, and Ashraf Elfasakhany. "Applications of Nano-Additives in Internal Combustion Engines: A Critical Review." <i>Journal of Thermal Analysis and Calorimetry</i> (2022): 1-21.
87.	6.626	I. Veza, A. Afzal, M.A. Mujtaba, A. Tuan Hoang, D. Balasubramanian, M. Sekar, I.M.R. Fattah, M.E.M. Soudagar, A.I. El-Seesy, D.W. Djamari, A.L. Hananto, N.R. Putra, N. Tamaldin, Review of artificial neural networks for gasoline, diesel and homogeneous charge compression ignition engine, <i>Alexandria Engineering Journal</i> (2022).
88.	4.831	Yusuf, Abdulfatah Abdu, H. Dandakouta, Ibrahim Yahuza, Danjuma Abdu Yusuf, M. A. Mujtaba, A. S. El-Shafay, and Manzoore Elahi M. Soudagar. "Effect of low CeO ₂ nanoparticles dosage in biodiesel-blends on combustion parameters and toxic pollutants from common-rail diesel engine." <i>Atmospheric Pollution Research</i> (2021): 101305.
89.	6.626	Awang, Muhamad Sharul Nizam, Nurin Wahidah Mohd Zulkifli, Muhammad Mujtaba Abbas, Syahir Amzar Zulkifli, Md Abul Kalam, Mohd Nur Ashraf Mohd Yusoff, Wan Mohd Ashri Wan Daud, and Muhammad Hazwan Ahmad. "Effect of diesel-palm biodiesel fuel with plastic pyrolysis oil and waste cooking biodiesel on tribological characteristics of lubricating oil." <i>Alexandria Engineering Journal</i> (2022).

90.	3.8	Munir, M. A., et al. "Blockchain Adoption for Sustainable Supply Chain Management: Economic, Environmental, and Social Perspectives." <i>Frontiers in Energy Research</i> , vol. 10, 2022, p. 899632, https://doi.org/10.3389/fenrg.2022.899632 . Accessed 26 Nov. 2023.
91.	4.755	Adnan Qamar, Zahid Anwar, Hassan Ali, Rabia Shaukat, Shahid Imran, Attique Arshad, Hafiz Muhammad Ali, Theodosios Korakianitis, Preparation and dispersion stability of aqueous metal oxide nanofluids for potential heat transfer applications: A review of experimental studies, <i>J. Therm. Anal. Calorim.</i> , vol. 147, no. 1, pp. 23–46, 2022, doi: 10.1007/s10973-020-10372-z.
92.	6.268	Muhammad Aurangzeb, Fahad Noor, Adnan Qamar, Zahir Shah, Poom Kumam, Asad Naeem Shah, Meshal Shutaywi, Investigation of enhancement in the thermal response of phase change materials through nano powders, <i>Case Stud. Therm. Eng.</i> , vol. 29, p. 101654, 2022, doi: 10.1016/j.csite.2021.101654.
93.	3.154	S. Asad Ali Gillani, Muhammad Rizwan Riaz, Rashid Hameed, Adnan Qamar, Ahmed Toumi, Anaclet Turatsinze, Fracture energy of fiber-reinforced and rubberised cement- based compo sites: A sustainable approach towards recycling of waste scrap tires, <i>Energy Environ.</i> , pp. 1–15, 2022, doi: 10.1177/0958305x221089223.
94.	7.144	M. Hamza Latif, Muhammad Amjad, Zia ur Rehman Tahir, Adnan Qamar, Muhammad Asim, Waqar Mahmood, Waqas Khalid, Abdur Rehman, <i>Nexus implementation of sustainable development goals (SDGs) for sustainable public sector buildings in Pakistan</i> , <i>J. Build. Eng.</i> , vol. 52, p. 104415, 2022, doi: 10.1016/j.jobe.2022.104415.
95.	2.361	H. M. Ali Hassan, M. Amjad, Z. R. Tahir, Adnan Qamar, F. Noor, Yanwei Hu, Talha bin Yaqoob, E. P. Bandarra Filho, Performance analysis of nanofluid based water desalination system using integrated solar still, flat plate and parabolic trough collectors, <i>J. Brazilian Soc. Mech. Sci. Eng.</i> , vol. 1, pp. 1–9, 2022, doi: 10.1007/s40430-022-03734-1.
96.	3.154	Z. R. Tahir, G. M. Amjad, M. Hamza, M. R. Shad, Adnan Qamar, P. Blanc, S. Abbas, M. Azhar, M. Sufyan, M. Abdullah, M. Atif, S.T. Haider, Validating global horizontal irradiance estimated by McClear model under clear-sky and all-sky conditions in Pakistan, <i>Energy and Environment, Energy Environ.</i> , pp. 1–33, 2022, doi: 10.1177/0958305X221118869.
97.		Yang DL, Fazal F, Wang JX, Radacsi N. Combination of 3D Printing and Electrospinning Techniques for Biofabrication. <i>Adv Mater Technol</i> 2022;7:1–27. https://doi.org/10.1002/admt.202101309