

Publications Year 2023

1. W. B. Barnawi, M S Habeeb et al., "Control and Mitigation of Harmonics and Power Filtering in Photovoltaic Grid Tied System Using MFI," 2023 International Conference on Power, Instrumentation, Energy and Control (PIECON), Aligarh, India, 2023, pp. 1-6, doi: 10.1109/PIECON56912.2023.10085875
2. Loulijat, A., Chojaa, H., El marghichi, M., Ettalabi, N., Hilali, A., Mouradi, A., ... & Mossa, M. A. (2023). Enhancement of LVRT Ability of DFIG Wind Turbine by an Improved Protection Scheme with a Modified Advanced Nonlinear Control Loop. *Processes*, 11(5), 1417.
3. Alammar, Mohammed and Lopez-Benitez, Miguel (2023) Signal Area Estimation based on Deep Learning. *Physical Communication*.
4. Ismeil, M. A., Omar, M. M., Yousef, A. R., & Ismail, A. Review of Distributed power electronics solutions for PV Generation systems. *SVU-International Journal of Engineering Sciences and Applications*, 4(1), 85-90. (2023), https://svusrc.journals.ekb.eg/article_279717_9716651ce88663697fc3ac1ba918d629.pdf
5. Loukil, H., Mayet, A.M. Hardware implementation and validation of the fast variable block size motion estimation architecture for HEVC Standard. *Multimed Tools Appl* (2023). <https://doi.org/10.1007/s11042-023-15628-y>
6. P Sheeba, P Muneer, VP Thafasal Ijyas, M Usman, M Wajid, Equalization Techniques for SC-FDMA Systems Under Radio Imbalances at Both Transmitter and Receiver, *Wireless Personal Communications*, 1-19, 2023, <https://doi.org/10.1007/s11277-023-10246-1>
7. Monji.M Zaidi , Khaled Abdulaziz Alhamdi and Imen.R Bouazzi, "Impact of geo-positioning information in limiting forest fire damage,"7th International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2023), <https://ictis.in/gallery.php> , The submissions have already been forwarded to the publisher and are in process with Springer Nature. Further, as already announced during the conference it will take approximately six months for the publication to be available online.
8. Sharkawy, A. N., Ali, M. M., Mousa, H. H., Ali, A. S., Abdel-Jaber, G. T., Hussein, H. S., ... & Ismeil, M. A. (2023). Solar PV Power Estimation and Upscaling Forecast Using Different Artificial Neural Networks Types: Assessment, Validation, and Comparison. *IEEE Access*, 11, 19279-19300.
9. Mahalakshmi, V., Awatef Balobaid, B. Kanisha, R. Sasirekha, and M. Ramkumar Raja. "Artificial Intelligence: A Next-Level Approach in Confronting the COVID-19 Pandemic." In *Healthcare*, vol. 11, no. 6, p. 854. MDPI, 2023. <https://www.mdpi.com/2227-9032/11/6/854>
10. P Sheeba, P Muneer, VP Thafasal Ijyas, Mohammed Usman, Mohd Wajid, "Equalization Techniques for SC-FDMA Systems Under Radio Imbalances at Both Transmitter and Receiver", *Wireless Personal Communications*, Springer, pp. 1-19, 2023/3/8
11. M. Ismeil, Y. Hassan, M. Orabi, A. Alshreef, and H. S. Hussein, "Fulfill Optimum Calibrated Size of LED Driver Components for Solar Street Lighting Fixture by Adjusting the LEDs

Connections," IEEE Access, 2023. URL:
<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10122943>

12. Rajasree Sarkar, Syed Muhammad Amrr, Javed Khan Bhutto, Abdelaziz Salah Saidi, Abdullah Algethami, Arunava Banerjee. Finite Time Fractional Order ISMC with Time Delay Estimation for Re-entry Phase of RLV with Enhanced Chattering Suppression. *Acta Astronautica*. Vol. 202, (2023), pp.130–138.
<https://doi.org/10.1016/j.actaastro.2022.10.002>
13. AS Saidi, F Alsharari, EM Ahmed, SF Al-Gahtani, SM Irshad, S Alalwani "Investigating the Impact of Grid-Tied Photovoltaic System in the Aljouf Region Saudi Arabia, Using Dynamic Reactive Power Control", *Energies* 16 (5), 2368
14. Abdul Wasa Bakr Barnawi, Mohammed Salman Arafath, Javed Khan Bhutto, Mohammed Abdul Muqeet, et.al. "Control and Mitigation of Harmonics and Power Filtering in Photovoltaic Grid Tied System Using MFI", 2023 International Conference on Power, Instrumentation, Energy and Control (PIECON), Aligarh, India, IEEE, 10-12 February 2023. DOI: 10.1109/PIECON56912.2023.10085875
15. SHAMIMUL QAMAR, Amrita Rai, Salman Arafath Mohammed et al. "Quality of Service Enhancement of Circular Microstrip Patch Antenna (CMPA) for 5G Communication Network", 10 June 2022, PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-1685386/v1>]
16. Tao Hai, Haitao Lin, Bhupendra Singh Chauhan, Hamdi Ayed, Hassen Loukil, Ahmed M Galal, Deniz Yaman, "Performance analysis and optimization of a novel geothermal trigeneration system with enhanced Organic Rankine cycle, Kalina cycle, reverse osmosis, and supercritical CO₂ cycle", *Renewable Energy*, vol. 211, pp. 539–562. Apr 2023. URL: <https://www.sciencedirect.com/science/article/abs/pii/S096014812300530X>
17. G MADHAVI, V HARIKA, HEMALATHA J, MUZEEB K P, G. VEERANNA, MAJAHAR H M, "An Optimal Power Problem Solution Using Multiple Soft Computing Techniques" *Journal of Theoretical and Applied Information Technology*, Volume 101 July 2023.
18. Galang P. N. Hakim , Mohamed Hadi Habaebi , Elfatih A. A. Elsheikh , Fakhereldin M. Suliman , Md. Rafiqul Islam , Siti Hajar Binti Yusoff , Erry Yulian T. Adesta and Rabeya Anzum (Levenberg Marquardt artificial neural network model for self- organising networks implementation in wireless sensor network) *IET Wireless Sensor Systems*, special issue ,pp 1-14 <https://doi.org/10.1049/wss2.12052>
19. F. E. M. Suliman, "Building Performance Simulation for Energy Rationalization," *Buildings*, vol. 13, no. 5, p. 1122, Apr. 2023, doi: 10.3390/buildings13051122. [Online]. Available: <http://dx.doi.org/10.3390/buildings13051122>
20. A. W. B. Barnawi et al., M. S. Habeeb "Advancement and Control of Power Quality using Hybrid GoA-FPA approach for Grid Tied PV System," 2023 International Conference on Power, Instrumentation, Energy and Control (PIECON), Aligarh, India, 2023, pp. 1-6, doi: 10.1109/PIECON56912.2023.10085767.
21. Alkhaledi, Khaled, et al. "Photovoltaic Power Retrieving Multilevel Converter for Smart Grids." *Frontiers in Energy Research* 11: 364.

22. Mohamed A Ismeil, Hany S Hussein, Mohammed Farrag, and M. Nasrallah, "Transmission and Distribution Smart Grid System Based on Self-Hailing Controllable Crowbar" IEEE Access, Vol 11, pp. 10149-10157, 2023/1/30, <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10029349> .
23. G. Zhang et al., "Efficient Implementation of Spontaneous Calcium Oscillations in the Central Nervous System on Reconfigurable Digital Boards," in IEEE Transactions on Circuits and Systems I: Regular Papers, doi: 10.1109/TCSI.2023.3251579.
24. Elizaveta Berkova, Anastasia Panyutischeva, Monji Mohamed Zaidi & Gennadiy Turk, "Overview of the DJI ZENMUSE L1 Laser Scanner for Spatial Planning Purposes," International Scientific and Practical Conference Digital and Information Technologies in Economics and Management, pp 32–41, First Online: 16 April 2023, DOI: 10.1007/978-3-031-30926-7_4, https://link.springer.com/chapter/10.1007/978-3-031-30926-7_4#chapter-info .
25. Ismeil, M. A., Hussein, H. S., Farrag, M., & Nasrallah, M. (2023). Transmission and Distribution Smart Grid System Based on Self-Hailing Controllable Crowbar. IEEE Access, 11, 10149-10157.
26. P. P. Rahoof, Latha R. Nair, and V. P. Thafasal Ijyas, "A Secure Two-Tier Domain Verification and Certificate Validation Integrating Intermediate Certificate Authorities and Secure Certificate Box", Journal of Circuits, Systems and Computers, Vol. 32, No. 06, 2350103 (2023)
27. M. A. Ismeil, H. S. Hussein, M. Farrag, and M. Nasrallah, "Transmission and Distribution Smart Grid System Based on Self-Hailing Controllable Crowbar," IEEE Access, vol. 11, pp. 10149-10157, 2023. URL: <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10029349>
28. Feras Alasali, Abdelaziz Salah Saidi, Naser El-Naily, Othman Alsmadi, Mohamed Khaleel and Ibrahim Ghirani. Assessment of the impact of a 10-MW grid-tied solar system on the Libyan grid in terms of the power protection system stability. Clean Energy, 2023, Vol. 7, No. 2, 389–407. <https://doi.org/10.1093/ce/zkac084>
29. Salman Arafath Mohammed, Md Rashid Mahmood, "Security in Ambient Intelligence and Internet of Things", 2023, Scrivener Publishing, WILEY, CHAPTER 4. [<https://scrivenerpublishing.com/cart/title.php?id=788>]
30. S Bourazza, Sami H Altoum, Hamdi Ayed, Hassen Loukil, Muhammed I Syam, Sondos M Syam, AMA Abd Elmotaleb, "Discharging process within a storage container considering numerical method", Journal of Energy Storage, vol. 66, pp. 107490. Apr 2023. URL: <https://www.sciencedirect.com/science/article/abs/pii/S2352152X23008873>
31. G MADHAVI, V HARIKA, HEMALATHA J, G. VEERANNA, MUZEEB K P, MAJAHAR H M, "Investigation Of Voltage Stability Utilizing Continuation Power Flow Under A Contingency With STATCOM" Journal Of Theoretical And Applied Information Technology, Volume 101 July 2023.

32. M. M. Alam, M. R. Islam, M. Koohestani and E. A. A. Elsheikh, "Prediction of Time Diversity Gain for Earth-to-Satellite Microwave Link Design Based on Real Time Rain Intensity Measurement," in IEEE Access, doi: 10.1109/ACCESS.2023.3249962.
33. Galang P. N. Hakim , Mohamed Hadi Habaebi , Elfatih A. A. Elsheikh , Fakhreldin M. Suliman , Md. Rafiqul Islam , Siti Hajar Binti Yusoff , Erry Yulian T. Adesta and Rabeya Anzum (Levenberg Marquardt artificial neural network model for self- organising networks implementation in wireless sensor network) IET Wireless Sensor Systems, special issue pp 1-14 <https://doi.org/10.1049/wss2.12052>
34. A. Haddad, M. H. Habaebi, F. E. M. Suliman, E. A. A. Elsheikh, M. R. Islam, and S. A. Zabidi, "Generic Patient-Centered Blockchain-Based EHR Management System," Applied Sciences, vol. 13, no. 3, p. 1761, Jan. 2023, doi: 10.3390/app13031761. [Online]. Available: <http://dx.doi.org/10.3390/app13031761>
35. Khadar, Saad, et al. "An Improved Sensorless Nonlinear Control Based on SC-MRAS Estimator of Open-End Winding Five-Phase Induction Motor Fed by Dual NPC Inverter: Hardware-in-the-Loop Implementation." Machines 11.4 (2023): 469.
36. I. Hamdan, Ahmed Alfouly, and Mohamed A Ismeil "A literature review on hosting capacity methodologies and inverter control technologies for photovoltaic system" 2023 IEEE Conference on Power Electronics and Renewable Energy (CPERE), pp. 1-7, 2023/2/19, <https://ieeexplore.ieee.org/abstract/document/10119630>.
37. Abdulilah Mohammad Mayet, Seyed Mehdi Alizadeh, Thafasal Ijyas V P, et.al., "Introducing an intelligent method to detect volume percentages of components in a symmetrical homogeneous three-phase fluid with the presence of scale inside pipe", Symmetry, MDPI (Accepted).
38. M. A. Khan, H. Arshad, W. Z. Khan, M. Alhaisoni, U. Tariq, H. S. Hussein, et al., "HGRBOL2: human gait recognition for biometric application using Bayesian optimization and extreme learning machine," Future Generation Computer Systems, vol. 143, pp. 337-348, 2023. URL: <https://www.sciencedirect.com/science/article/abs/pii/S0167739X23000468>
39. Naser El-Naily, Othman Alsmadi, Abdelaziz Salah Saidi, Mohamed Khaleel, Ibrahim Ghirani. Advanced Coordination Method for Overcurrent Protection Relays Using New Hybrid and Dynamic Tripping Characteristics for Microgrid. IEEE Access. 2022. Vol. 10, pp. 127377-127396. 10.1109/ACCESS.2022.3226688
40. Man-Wen Tian, Ibrahim B Mansir, Sayed M Eldin, Hamdi Ayed, Hassen Loukil, Nawaf Alkhamis, "Economic and thermal performance analysis of two-stage thin-film solar thermoelectric power generator", Case Studies in Thermal Engineering, vol. 45, pp. 103012. May 2023. URL: <https://www.sciencedirect.com/science/article/pii/S2214157X23003180>
41. HEMALATHA J, G MADHAVI, V HARIKA, G. VEERANNA, MUZEEB K P, MAJAHAR H M, "Single Input And Multiple Output Dc-Dc Converter For Electric Vehicle Applications": Journal of Theoretical and Applied Information Technology, Volume 101 July 2023.

42. A. Balla, M. H. Habaebi, E. A. A. Elsheikh, Md. R. Islam, and F. M. Suliman, "The Effect of Dataset Imbalance on the Performance of SCADA Intrusion Detection Systems," *Sensors*, vol. 23, no. 2, p. 758, Jan. 2023, doi: 10.3390/s23020758. [Online]. Available: <http://dx.doi.org/10.3390/s23020758>
43. Abdel Mohsen, Sally E., et al. "Unified Power Quality Conditioner Using Recent Optimization Technique: A Case Study in Cairo Airport, Egypt." *Sustainability* 15.4 (2023): 3710
44. Abdel-Nasser Sharkawy, Mustafa M Ali, Hossam HH Mousa, Ahmed S Ali, Gamal T Abdel-Jaber, Hany S Hussein, Mohammed Farrag , and M. A Ismeil "Solar PV Power Estimation and Upscaling Forecast Using Different Artificial Neural Networks Types: Assessment, Validation, and Comparison" *IEEE Access*, Vol 11, pp. 19279-19300, 2023/2/24, <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10052652>
45. Mayet, A.M.; Shukla, N.K.; Raja, M.R.; Ahmad, I.; Aiesh Qaisi, R.M.; Al-Qahtani, A.A.; Taparwal, A.; Tirth, V.; AL-Dossary, R. Experimental Analysis to Detect Corona COVID-19 Virus Symptoms in Male Patients through Breath Pattern Using Machine Learning Algorithms. *Electronics* 2023, 12, 10. <https://doi.org/10.3390/electronics12010010>
46. M. Majid, L. Goel, A. Saxena, A. K. Srivastava, G. K. Singh, R. Verma, H. S. Hussein, et al., "Firefly Algorithm and Neural Network Employment for Dilution Analysis of Super Duplex Stainless Steel Clads over AISI 1020 Steel Using Gas Tungsten Arc Process," *Coatings*, vol. 13, p. 841, 2023. URL: <https://www.mdpi.com/2079-6412/13/5/841>
47. Syed Muhammad Amrr, Abdelaziz Salah Saidi and M. Nabi. Event-Driven Fault-Tolerant Attitude Control of Spacecraft with Finite-Time Disturbance Observer under Input Saturation. *International Journal of Robust and Nonlinear Control*. Volume 33, Issue 5, 25 March 2023, Pages 3227-3246. Wiley 2023. <https://doi.org/10.1002/rnc.6573>
48. Hassen Loukil, Abdulilah Mohammad Mayet, "Hardware implementation and validation of the fast variable block size motion estimation architecture for HEVC Standard", *Multimedia Tools and Applications*, vol. 82, pp. 1-19. May 2023. URL: <https://link.springer.com/article/10.1007/s11042-023-15628-y>
49. Boudjemai, H., Ardjoun, S. A. E. M., Chafouk, H., Denai, M., Elbarbary, Z. S., Omar, A. I., & Mahmoud, M. M. (2023). Application of a novel synergetic control for optimal power extraction of a small-scale wind generation system with variable loads and wind speeds. *Symmetry*, 15(2), 369.
50. Mohamed Ali Ismeil, Mohamed Orabi, and Omima Abdelaal" High Robust Control Model of High Step Up Three Phase Y Source Inverters based on Model Predictive Control" *SVU-International Journal of Engineering Sciences and Applications*, Vol. 4 (2), pp. 76-83, March 2023, https://svusrc.journals.ekb.eg/article_289905_3b109dd81857b62c7248901a8e113e70.pdf
51. A.-N. Sharkawy, M. M. Ali, H. H. Mousa, A. S. Ali, G. T. Abdel-Jaber, H. S. Hussein, et al., "Solar PV Power Estimation and Upscaling Forecast Using Different Artificial Neural Networks Types: Assessment, Validation, and Comparison," *IEEE Access*, vol. 11, pp. 19279-19300, 2023. URL: <https://ieeexplore.ieee.org/abstract/document/10052652>

52. Ruben Zieba Falama, Abdelaziz Salah Saidi, Marcel Hamda Soulouknga, Chokri Ben Salah. A techno-economic comparative study of renewable energy systems based different storage devices. *Energy*, Volume 266, 1 March 2023, 126411. <https://doi.org/10.1016/j.energy.2022.126411>
53. Shafiq, A., Iqbal, S., Rehman, A. U., Elbarbary, Z. M. S., Kotb, H., Selim, A., & Kamel, S. (2023). Integration of solar based charging station in power distribution network and charging scheduling of EVs. *Frontiers in Energy Research*, 11.
54. Mohammed Ismeil, Youssef Hassan, Mohammed Orabi, Abdulaziz Alshreef, Hany S Hussein, "Fulfill Optimum Calibrated Size of LED Driver Components for Solar Street Lighting Fixture by Adjusting the LEDs Connections" *IEEE Access*, <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10122943>
55. D. K. Singh, A. Singh, A. Gacem, S. Kashyap, V. K. Yadav, K. K. Yadav, H. S. Hussein, et al., "Multiple Site Dissimilarities of Herbaceous Species Due to Coal Fly Ash Dumping Based Soil Heavy Metal Toxication," *Toxics*, vol. 11, p. 90, 2023. URL: <https://www.mdpi.com/2305-6304/11/2/90>
56. Alasali, F.; Saidi, A.S.; El-Naily, N.; Smadi, M.A.; Holderbaum, W. Hybrid Tripping Characteristic-Based Protection Coordination Scheme for Photovoltaic Power Systems. *Sustainability* 2023, 15(2), 1540. <https://doi.org/10.3390/su15021540>
57. Aldin, N. A. N., Abdellatif, W. S., Elbarbary, Z. S., Omar, A. I., & Mahmoud, M. M. (2023). Robust Speed Controller for PMSG Wind System Based on Harris Hawks Optimization via Wind Speed Estimation: A Real Case Study. *IEEE Access*.
58. R. K. Singh, M. Shindhe, P. Rawat, A. K. Srivastava, G. K. Singh, R. Verma, H. S. Hussein, et al., "The Effect of Various Contaminants on the Surface Tribological Properties of Rail and Wheel Materials: An Experimental Approach," *Coatings*, vol. 13, p. 560, 2023. URL: <https://www.mdpi.com/2079-6412/13/3/560>
59. Deepak Kumar Singh, Anushka Singh, Amel Gacem, Shruti Kashyap, Virendra Kumar Yadav, Krishna Kumar Yadav, Hany S. Hussein, Neeraj Kumar Shukla, Amnah Mohammed Alsuhaibani, Magda H. Abdellatif, Chaigoo Lee, Wonjae Lee, Timsi Modi, and Byong-Hun Jeon, "MDPI Toxics", 2023, 11(2), 90. URL: <https://doi.org/10.3390/toxics11020090>
60. S. Soundararajan, Chinnarao Kurangi, Anwer Basha, J. Uthayakumar, K. Kalaivani, M. Dhamodaran, Neeraj Kumar Shukla, "Metaheuristic Optimization Based Node Localization and Multihop Routing Scheme with Mobile Sink for Wireless Sensor Networks," *Springer Wireless Personal Communications*, Volume 128, Issue 4, February 2023. URL: <https://doi.org/10.1007/s11277-023-10247-0>
61. Shaifali Ruhil, Vandana Khanna, Umesh Dutta, Neeraj Kumar Shukla, "A 7T high stable and low power SRAM cell design using QG-SNS FinFET", *AEU - International Journal of Electronics and Communications*, Volume 168, May 2023, 154704, ISSN 1434-8411. URL: <https://doi.org/10.1016/j.aeue.2023.154704>.
62. Falama, R.Z.; Dumbrava, V.; Saidi, A.S.; Houdji, E.T.; Salah, C.B.; Doka, S.Y. A Comparative -Analysis-Based Multi-Criteria Assessment of On/Off-Grid-Connected

Renewable Energy Systems: A Case Study. *Energies* 2023, 16, 1540.
<https://doi.org/10.3390/en16031540>

63. Said, A., Saad, M. H., Eladl, S. M., Elbarbary, Z. S., Omar, A. I., & Saad, M. A. (2023). Support Vector Machine Parameters Optimization for 500 kV Long OHTL Fault Diagnosis. *IEEE Access*.
64. Saidi, A.S.; Alsharari, F.; Ahmed, E.M.; Al-Gahtani, S.F.; Irshad, S.M.; Alalwani, S. Investigating the Impact of Grid-Tied Photovoltaic System in the Aljouf Region, Saudi Arabia, Using Dynamic Reactive Power Control. *Energies* 2023, 16, 2368. <https://doi.org/10.3390/en16052368>
65. Larik, N. A., Tahir, M. F., Elbarbary, Z. S., Yousaf, M. Z., & Khan, M. A. (2023). A comprehensive literature review of conventional and modern islanding detection methods. *Energy Strategy Reviews*, 44, 101007.
66. Ruben Zieba Falama, Soulouknga Hamda Marcel, Virgil Dumbrava, Adelaziz Salah Saidi, Maxime Dawoua Kaoutoing, Chokri Ben Salah, Serge Yamigno Doka. Renewable energy systems for hydrogen production in Sub-Saharan Africa: a comparative study based on a techno-economic analysis. *U.P.B. Sci. Bull., Series C, Vol. 85, Iss. 1, 2023*
67. Cheema, K. M., Chaudhary, N. I., Tahir, M. F., Mehmood, K., Mudassir, M., Kamran, M., ... & Elbarbary, Z. S. (2023). Virtual synchronous generator: Modifications, stability assessment and future applications. *Energy Reports*, 8, 1704-1717.
68. Khaled, F., talal, G., Ahmed, S., & Saidi, A. S. (2023). Optimal Planning of Photovoltaic-based DG Units in Uncertain Distribution Network. *All Sciences Abstracts*, 1(1), 11. <https://doi.org/10.59287/as-abstracts.653>
69. Rajasree Sarkar , Syed Muhammad Amrr , Javed Khan Bhutto, Abdelaziz Salah Saidi, Abdullah Algethami ,, Arunava Banerjee - Finite time fractional order ISMC with time delay estimation for re-entry phase of RLV with enhanced chattering suppression. *Acta Astronautica Volume 202, January 2023, Pages 130-138. URL - <https://www.sciencedirect.com/science/article/pii/S0094576522005392>*
70. Ramu Srikakulapu a, Vivekanandan Subburaj, S. Sujith c, Mohammad Shahid, Javed Khan Bhutto, G. Charan kumar . Ahamed Saleel - Modelling farm-based electric vehicles on charging systems for power distribution networks with dynamic grid interactions. *Ain Shams Engineering Journal ,Volume 14, Issue 8, August 2023, URL - <https://www.sciencedirect.com/science/article/pii/S2090447922003574>*
71. Rohan Verma,,Santosh Kumar Sharma ,Pushpendra Singh, ,Javed Khan Bhutto and Abdul Rahman Abdullah Alharbi - Analysis and Sizing of Charging Stations in Kota City. *Sustainability* 2023, 14(18), 11759; <https://doi.org/10.3390/su141811759>
72. Vineet Singh, Vinod Singh Yadav, Abdulwasa Bakr Barnawi, Javed Khan Bhutto, Rajesh Verma, - Comparison of different designs of solar air heater with the simple solar heater of having reflecting mirrors, *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, URL - <https://journals.sagepub.com/doi/abs/10.1177/09544062231158530>*

73. Ying-Fang Zhang, Javed Khan Bhutto, Abdulwasa Bakr Barnawi, Hosam A. Saad - Thermophysical improvement of PCM with inclusion of nanoparticles during solidification, International Journal of Modern Physics B Vol. 37, No. 13, 2350130 (2023)
74. Karima Rouibah, Hana Ferkous, Amel Delimi, Touhida Himeur, Messaoud Benamira, Mohammed, Krishna Kumar Yadav, Javed Khan Bhutto - Biosorption of zinc (II) from synthetic wastewater by using Inula Viscos a leaves as a low-cost biosorbent: Experimental and molecular modelling studies. Journal of Environmental Management 326, 116742, <https://pubmed.ncbi.nlm.nih.gov/36375437/>
75. Gokul Raghavendra Srinivasan, Ranjitha Jambulingam, Amel Gacem, Akil Ahmad, Javed Khan Bhutto, Krishna Kumar Yadav - Effect of Fuel Preheating on Engine Characteristics of Waste Animal Fat-Oil Biodiesel in Compression Ignition Engine. Polymers 2023, 14(18), 3896; <https://doi.org/10.3390/polym14183896>.