

Journal Publications
Academic Year 2021 – 2022

1. R. Jai Ganesh, **A. Arun Kumar**, B. Devi Sri, P. Pragadeesh and N. Srivatshan, “IoT based Covid Patient health monitor during self-quarantine”, Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 6, July, 2021: 7750-7762 (**Scopus Indexed**).
2. R. Marisankar, **S. Sharmila Kumari**, **G. Sivapriya**, "Solar Powered Agricultural Water Pumping with Auto Tracking", International Journal of Scientific Research in Science and Technology (IJSRST), Online ISSN: 2395-602X, Print ISSN : 2395-6011, Volume 8 Issue 4, pp. 216-223, 13 July 2021. Available at doi : <https://doi.org/10.32628/IJSRST218435> Journal URL : <https://ijsrst.com/IJSRST218435> (**UGC Approved Journal No : 64011**).
3. R.Rajeswari, **G.Sivapriya**, **A. Guna**, “GSM based Low Cost Water Level Monitoring and Control System using Arduino”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering(IJAREEIE),e-ISSN: 2278 – 8875, p-ISSN: 2320 – 3765 www.ijareeie.com, Impact Factor: 7.282,| Volume 10, Issue 7, July 2021| DOI:10.15662/IJAREEIE.2021.1007037. (**UGC Approved**)
4. A. Bhuvanesh, **S. Kannan**, M. Arumuga Babu, J. Leema Rose, S. Dhanalakshmi, “Application of interval type-2 fuzzy logic data fusion using multiple sensors to detect wildfire”, Tierärztliche Praxis, Vol 41, 2021 (**SCIE**)
5. S. Amosedinakaran, K.Mala, A.Bhuvanesh, **S.Kannan** and M.Karuppasamy Pandian, “Energy Source Expansion Planning for a Real-world Deregulated electric Utility Considering emission”, IETE Journal of Research (Taylor & Francis), DoI: 10.1080/03772063.2021.1959422, 31 Aug 2021. (**SCIE**)
6. K. Karunanithi, S. P. Raja, N. K. Rayaguru, S. Saravanan and **S. Kannan**, “An assessment of GHG mitigation potential by generation expansion planning using LEAP model”, International Journal of Global warming, Vol. 25, No.2, page 135 – 149, 13 October 2021. (**SCIE**)
7. S. Amosedinakaran, T. A. Sunil Raj, R. Robin Jesubalan & **A. Arun Kumar**, “Scada Based Monitoring and Control of DC Motor”, Natural Volatiles & Essential oils, Vol. 8, No. 4, pp. 1587-1601, November 2021. (**SCOPUS indexed**)
8. R. Kannan, V. Jenitha, **K. Karthikeyan** & A. Ram Kumar, “Speed control of three phase induction motor using Arduino and V/F technique”, Natural Volatiles

- & Essential oils, Vol. 8, No. 4, pp. 1602-1611, November 2021. (**SCOPUS indexed**)
9. P. Muthulakshmi, T. Ramya, S. Jerome Singh, K. Parthasarathy & **K. Karthikeyan**, “Fault identification and rectification in a wind energy conversion system: A real time investigation”, Natural Volatiles & Essential oils, Vol. 8, No. 4, pp. 1551-1560, November 2021. (**SCOPUS indexed**)
 10. M. Thilagaraj, B. Dwarakanath, S. Ramkumar, **K. Karthikeyan**, A. Prabhu, Gurusamy Saravanakumar, M. Pallikonda Rajasekaran and N. Arunkumar, “Eye Movement Signal Classification for Developing Human-Computer Interface Using Electrooculogram”, Hindawi, Journal of Healthcare Engineering Volume 2021, Article ID 7901310, 11 pages <https://doi.org/10.1155/2021/7901310> (**SCIE**)
 11. Arumugababu Mariakuttikan, Mahalakshmi Rajaram, Bhuvanesh Ananthan, **Kannan Subramanian** and Karuppasamy Pandiyan Murugesan, “Multi-objective economic dispatch of distributed generation using differential evolution algorithm”, IOP Conference Series: Materials Science and Engineering, IOP Science, 1084 (2021) 012016, doi:10.1088/1757-899X/1084/1/012016 (**Scopus**)
 12. S. Amosedinakaran, K. Mala, A. Bhuvanesh, **S. Kannan** and Karuppasamy Pandiyan M "Application of metaheuristic algorithms for solving real-world electricity demand forecasting and generation expansion planning problems", Iranian Journal of Science and Technology, Transactions of Electrical Engineering. <https://doi.org/10.1007/s40998-022-00480-x> (**SCIE**)
 13. M. Thilagaraj, S. Ramkumar, N. Arunkumar, A. Durgadevi, **K. Karthikeyan**, S. Hariharasitaraman, M. Pallikonda Rajasekaran, and Petchinathan Govindan, “Classification of Electroencephalogram Signal for Developing Brain-Computer Interface Using Bioinspired Machine Learning Approach” Hindawi Computational Intelligence and Neuroscience Volume 2022, Article ID 4487254, 17 pages <https://doi.org/10.1155/2022/4487254>. (**SCIE**)
 14. D. Karthik Prabhu, R. V. Maheswari and B. Vigneshwaran, “Deep Learning based Power Transformer Monitoring using Partial discharge Patterns”, Intelligent Automation & Soft Computing, Volume:34, Issue:3, PP-1441-1454, Doi:10.32604/iasc.2022.024128. (**SCIE**) Published on 25.05.2022
 15. Rajeev Kapoor, Anitha. T, K. Karthikeyan and Aleem Ali, “Machine Learning to provide automated, deeper understanding of health care data to improve patient outcomes”, Bulletin of Environment, Pharmacology and Life Sciences, Bull. Env. Pharmacol. Life Sci., Vol 11 [5] April 2022 : 38-43 ©2021 Academy for

Environment and Life Sciences, India, Online ISSN 2277-1808, Journal's
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- 16.M. Muthu Krishnan, K. Sathya, **E.Thangam** ,“An Intelligent System to Detect Faults and Condition Monitoring in Transformers”, International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 6 June 2022, pp: 1534-1544 www.ijaem.net , ISSN: 2395-5252 (UGC Care)