

Journal Publications - 2020

- R.G. Babu, K.U. Maheswari, C. Zarro, B.D. Parameshachari, S.L. Ullo, Land-Use and Land-Cover Classification Using a Human Group-Based Particle Swarm Optimization Algorithm with an LSTM Classifier on Hybrid Pre-Processing Remote-Sensing Images, *Remote Sens.* 12 (2020) 1–28. <https://doi.org/10.3390/rs12244135>.
- R.G. Babu, G. Ramesh, G. Manikandan, A survey of fog and cloud computing framework based on IoT signal solutions for secure communication, *Int. J. Adv. Sci. Technol.* 29 (2020) 2473–2479. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084142551&partnerID=40&md5=60dcfaeb136ba698715b7908e1ea1c9e>.
- A.B.H. Bejaxhin, K. Ramkumar, Influence of machining constraints on surface quality of ferrous and nonferrous materials, in: *Mater. Today Proc.*, 2020: pp. 152–160. <https://doi.org/10.1016/j.matpr.2020.04.732>.
- A. Bovas Herbert Bejaxhin, G. Paulraj, S. Aravind, Influence of TiN/AlCrN electrode coatings on surface integrity, removal rates and machining time of EDM with optimized outcomes, in: *Mater. Today Proc.*, 2020: pp. 340–345. <https://doi.org/10.1016/j.matpr.2019.05.459>.
- C. Chellaswamy, R. Ganesh Babu, M. Saravanan, M. Abirami, R. Boosuphasri, M. Balaji, Machine learning based condition recognition system for bikers, in: 2020 7th Int. Conf. Smart Struct. Syst. ICSSS 2020, 2020. <https://doi.org/10.1109/ICSSS49621.2020.9202245>.
- R.S. Devi, J. Suganya, P. Elangovan, K. Sakthidasan, Energy efficient adaptive device-dependent data transmission method for internet of things aided wireless sensor networks, *J. Green Eng.* 10 (2020) 8414–8426. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096539253&partnerID=40&md5=b90f4e92ed7844e9716d392408b4ec12>.
- P. Elangovan, V. Maheswari, P. Manigandan, Performance analysis of solar energy conversion system using super-lift Luo converter, in: *Proc. 2020 IEEE Int. Conf. Adv. Dev.*

Electr. Electron. Eng. ICADEE 2020, 2020.
<https://doi.org/10.1109/ICADEE51157.2020.9368951>.

- R. Ganesh Babu, C. Chellaswamy, T.S. Geetha, T. Daniel Raj, K. Venkatachalam, M.A. Mulla, Soil test based smart agriculture management system, in: 2020 7th Int. Conf. Smart Struct. Syst. ICSSS 2020, 2020. <https://doi.org/10.1109/ICSSS49621.2020.9202313>.
- R. Ganesh Babu, C. Chellaswamy, M. Surya Bhupal Rao, M. Saravanan, E. Kanchana, J. Shalini, Deep learning based pothole detection and reporting system, in: 2020 7th Int. Conf. Smart Struct. Syst. ICSSS 2020, 2020. <https://doi.org/10.1109/ICSSS49621.2020.9202061>.
- K. Kannagi, K.K. Purushothaman, P. Suganya, B. Sethuraman, Synthesis and characterization of 3d flower like Co₃O₄ for supercapacitor application, in: AIP Conf. Proc., 2020. <https://doi.org/10.1063/5.0019465>.
- N. Ramya, M. Sujatha, T. Jayasankar, P.J. Christydass, Metamaterial inspired circular antenna with DGS for tetra band application, Int. J. Control Autom. 13 (2020) 877–882. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084145289&partnerID=40&md5=76dc39e622ed52910bc5f4766385da82>.
- M. Rani Subathra, N. Sathya, Financial harvestment stratagem – a panorama of salaried investors, Int. J. Adv. Sci. Technol. 29 (2020) 850–855. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081999363&partnerID=40&md5=dc8c67de3383d3613d7f8b7571eec69b>.
- P. Sabarish, L. Hubert Tony Raj, G. Ramprakash, R. Karthick, An Energy Efficient Microwave Based Wireless Solar Power Transmission System, in: IOP Conf. Ser. Mater. Sci. Eng., 2020. <https://doi.org/10.1088/1757-899X/937/1/012013>.
- A.T. Sankara Subramanian, S. Priyadharsini, S. Palaniyappan, A. Nazar Ali, A novel IOT based domestic automation system for load monitoring and efficient control, in: IOP Conf. Ser. Mater. Sci. Eng., 2020. <https://doi.org/10.1088/1757-899X/937/1/012028>.

- S. Sarojini Mary, Enhanced power generation from plants plant-e technology using high voltage gain dc-dc converter topology, Int. J. Electr. Eng. Technol. 11 (2020) 175–180. <https://doi.org/10.34218/IJEET.11.4.2020.020>.
- B. Sasikumar, D. Naveenraju, K. Anand, S. Hariharan, P. Sudhakaran, N. Bharathiraja, Diabetes prediction using sensors by analysing skin temperature, J. Eng. Sci. Technol. 15 (2020) 1357–1370. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084128003&partnerID=40&md5=02f532d7edd982a6f2209ad0108dd909>.
- P. Sudhakaran, S. Swaminathan, D. Yuvaraj, S.S. Priya, Load Predicting Model of Mobile Cloud Computing Based on Glowworm Swarm Optimization LSTM Network, Int. J. Interact. Mob. Technol. 14 (2020) 150. <https://doi.org/10.3991/ijim.v14i05.13361>.
- P. Tamilarasu, J. Jones Praveen, B. Siddharthan, U. Vivek, M. Giridharan, Enhancing the material properties of EN24 pinion material by heat treatment process, IOP Conf. Ser. Mater. Sci. Eng. 764 (2020). <https://doi.org/10.1088/1757-899X/764/1/012021>.
- N. Tamil Selvi, P. Thiruvalar Selvan, S.P.K. Babu, R. Pandeewari, Multiband metamaterial-inspired antenna using split ring resonator, Comput. Electr. Eng. 84 (2020) 106613. <https://doi.org/10.1016/j.compeleceng.2020.106613>.
- T. Vigneshwaran, K.S. Guruprakash, K. Thaslima Nasreen, M. Supraja, Effective framework for real time video face recognition system, J. Adv. Res. Dyn. Control Syst. 12 (2020) 680–684. <https://doi.org/10.5373/JARDCS/V12I6/S20201080>.