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### ***List of Publications:***

1. K, S. & M, S. (2020). Design of Robot Gripper with Topology Optimization and Its Fabrication Using Additive Manufacturing. Lecture Notes on Multidisciplinary Industrial Engineering Advances in Additive Manufacturing and Joining:75–85. doi: 10.1007/978-981-32-9433-2\_6.
2. M, P., K, S. & S., P. (2019). Influence of morphology on the photocatalytic and fiber optic ammonia gas sensing performance of tin oxide nanostructures by a novel microwave irradiation method. Journal of the Iranian Chemical Society, 16(11):2315–2325. doi: 10.1007/s13738-019-01702-6.
3. K, S. & M, M. (2019). Effect of Hydrogen Energy Share on a Hydrogen Diesel Dual Fuel Mode using a Common Rail Direct Injection System. International Journal of Engineering and Advanced Technology Regular Issue, 9(1):6463–6469. doi: 10.35940/ijeat.A2251.109119.
4. K, S., Sathishkumar, M., D, N., Manoharan M, M., M, M. & D, N. (2019). Investigation of Metallurgical and Mechanical Properties of Hastelloy X by Key-Hole Plasma Arc Welding Process. SAE Technical Paper Series. doi: 10.4271/2019-28-0152
5. K, S. & M, M. (2019). Preclusion of carbide precipitates in the Hastelloy X weldment using the current pulsing technique. Journal of Manufacturing Processes, 45:9–21. doi: 10.1016/j.jmapro.2019.06.027.
6. C, K., K, S., V, I. & B.S., R. (2019). A novel distribution system reconfiguration for loss minimization using symbiotic organism search algorithm. Journal of Intelligent & Fuzzy Systems, 36(5):4319–4326. doi: 10.3233/JIFS-169988.
7. R, P., M, S., K, S. & G., A. (2019). Metal bellow hydroforming using additive manufactured die: a case study. Rapid Prototyping Journal, 25(4):765–774. doi: 10.1108/RPJ-07-2018-0182
8. S, V., Gokulakrishnan G, M., K, S. & Murali, N. (2019). A Novel Distribution Circuit Reconfiguration for Loss Minima With Symbiotic Organism Search Algorithm. 2019 IEEE 2nd International Conference on Power and Energy Applications (ICPEA). doi: 10.1109/icpea.2019.8818519.

9. E, P., K, S., N, P., G, V. & R., V. (2019). Conjugated hole-transport molecules based on triphenylamine and aminofluorene: Synthesis, structural, solvatochromic and electrochemical properties. *Journal of Molecular Structure*, 1179:145–153. doi: 10.1016/j.molstruc.2018.10.075
10. Verma, P., Gokulakrishnan G, M. & K, S. (2019). Continuous Monitoring of DC Motor using LabVIEW. 2019 Innovations in Power and Advanced Computing Technologies (i-PACT). doi: 10.1109/i-pact44901.2019.8960120
11. M, P., K, S., D, P., J, J. & R., B. (2018). High visible light-driven photocatalytic activity of large surface area Cu doped SnO<sub>2</sub> nanorods synthesized by novel one-step microwave irradiation method. *Journal of the Iranian Chemical Society*, 15(12):2789–2801. doi: 10.1007/s13738-018-1466-0
12. K, P., K, S. & N, R. (2018). A comprehensive review on parameter estimation techniques for Proton Exchange Membrane fuel cell modelling. *Renewable and Sustainable Energy Reviews*, 93:121–144. doi: 10.1016/j.rser.2018.05.017
13. M, P., V, S., K, S. & S.A., G. (2018). A Rapid One-Pot Synthesis of CuO Rice-Like Nanostructure and Its Structural, Optical and Electrochemical Performance. *Journal of Electronic Materials*, 47(9):5443–5451. doi: 10.1007/s11664-018-6435-y
14. K.B, C., K, S., B, K. & K, R. (2018). Design and Analysis of Electrical Drives Using Active Front End Converter. 2018 Second International Conference on Inventive Communication and Computational Technologies (ICICCT). doi: 10.1109/ICICCT.2018.8473042
15. M, P., K, S. & S., P. (2018). Enhanced visible light photocatalytic activity of tin oxide nanoparticles synthesized by different microwave optimum conditions. *Journal of Materials Science: Materials in Electronics*, 29(3):2341–2350. doi: 10.1007/s10854-017-8152-3
16. Priya, K., K, P., Roy Choudhury, S., S.R, C., K, S., K, S., N, R. & N, R. (2018). PEM Fuel Cell Modeling Using Genetic Algorithm—A Novel Approach. *Lecture Notes in Electrical Engineering Advances in Smart Grid and Renewable Energy*:541–550. doi: 10.1007/978-981-10-4286-7\_53
17. Krishna K, S. & K, S. (2018). Generation System Reliability Assessment Incorporating Photovoltaic Energy. *Advances in Power Systems and Energy Management Lecture Notes in Electrical Engineering*:647–654. doi: 10.1007/978-981-10-4394-9\_63
18. Esther B, P., K, S., S, V., G, G. & Rani M.S., A. (2018). Genetic Algorithm Based Peak Load Management for Low Voltage Consumers in Smart Grid – A Case Study. *Information and Communication Technology for Intelligent Systems (ICTIS 2017) - Volume 2 Smart Innovation, Systems and Technologies*:445–453. doi: 10.1007/978-3-319-63645-0\_51
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25. A, D. & K, S. (2017). Review on sheppard taylor topology based Luo-converter. 2017 International Conference on Innovative Research in Electrical Sciences (IICIRES). doi: 10.1109/iicires.2017.8078310
26. K, S. & K, R. (2017). A Study on Vehicle to Vehicle Collision Prevention Using Fog, Cloud, Big Data and Elliptic Curve Security Based on Threshold Energy Efficient Protocol in Wireless Sensor Network. 2017 Second International Conference on Recent Trends and Challenges in Computational Models (ICRTCCM). doi: 10.1109/ICRTCCM.2017.32
27. M, M., M, A., N, A., T, P., N, S., Murugan B, A., K, S. & S., S. (2016). High Temperature Corrosion studies on Pulsed Current Gas Tungsten Arc Welded Alloy C-276 in Molten Salt Environment. IOP Conference Series: Materials Science and Engineering, 149. doi: 10.1088/1757-899X/149/1/012020
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