

Sr. No.	Name of the Faculty	Department	Details of Paper publication	Journal/ Reference	Impact Factor
1	AK Biswal, S Saha	DMSE	Controllable fabrication of biodegradable Janus and Multi-layered particles with hierarchically porous structure	Journal of Colloid and Interface Science 2020, 566, Elsevier, 120-134. - SERB grant id of EEQ/2016/000455	7.5
2	S. Dey, Dandona, R., et al	CAS	Subnational mapping of under-5 and neonatal mortality trends in India: the Global Burden of Disease Study 2000–17	The Lancet, 395(10237), 1640–1658. <a href="https://doi.org/10.1016/S0140-6736(20)30471-2">https://doi.org/10.1016/S0140-6736(20)30471-2</a> . -Bill & Melinda Gates Foundation and the Indian Council of Medical Research, Department of Health Research, Government of India.	60.39
3	D Roy, T. Chakraborty, D.Basu,& B. Bhattacharjee	Civil Engineering	Feasibility and performance of ground source heat pump systems for commercial applications in tropical and subtropical climates.	Renewable Energy, 152, 467–483. <a href="https://doi.org/10.1016/j.renene.2020.01.058">https://doi.org/10.1016/j.renene.2020.01.058</a> DST No: TMD/CERI/BEE/2016/072(G)) provided by the Department of Science and Technology (DST)	6.2
4	Tóth I Y., Janovák L., Bogya ES, Deák A, Dékány I, Rawal A, Kukovecz A	Textile Technology	Characterization of the solvent specific evaporation from a fluoropolymer surface roughened by layered double oxide (LDO) particles	Journal of Molecular Liquids, 305, 112826, <a href="https://doi.org/10.1016/j.molliq.2020.112826">https://doi.org/10.1016/j.molliq.2020.112826</a> -Hungary grant 20391-3/2018/FEKUSTRAT & DST	5.0
5	Singh R., Kumar A	Applied Mechanics	A singularity free formulation for Kirchhoff rods having uniformly distributed electrostatic charge, Computer Methods in Applied Mechanics and Engineering,	367, 113133 SERB, India grant #CRG/2019/006629	5.7
6	Rajput. S., S. P. Singh	DMS	Industry 4.0 Model for circular economy and cleaner production.	Journal of Cleaner Production, 277, 123853. <a href="https://doi.org/10.1016/j.jclepro.2020.123853">https://doi.org/10.1016/j.jclepro.2020.123853</a> University Grant Commission India and UKIERI	7.2
7	Prakash S., Mishra S	Electrical Engineering	A Three Sample Based PLL-Less Hysteresis Current Control and Stability Analysis of a Single Phase Active Distribution System	IEEE Transactions on Industrial Electronics, doi: 10.1109/TIE.2020.3000094	8.7

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8	Sahoo S., Mishra S., Jha S. and Singh B	Electrical Engineering	A Cooperative Adaptive Droop Based Energy Management and Optimal Voltage Regulation Scheme for DC Microgrids	IEEE Transactions on Industrial Electronics, vol. 67, no. 4, pp. 2894-2904, April 2020, doi: 10.1109/TIE.2019.2910037.	8.7
9	Srinivas V. L., Singh B. and Mishra S	Electrical Engineering	Self-Synchronizing VSM With Seamless Operation During Unintentional Islanding Events	IEEE Transactions on Industrial Informatics, vol. 16, no. 9, pp. 5680-5690, Sept. 2020, doi: 10.1109/TII.2019.2958735	8.5
10	Sharma R. K., Mishra S. and Pullaguram D	Electrical Engineering	A Robust $H_{\infty}$ Multivariable Stabilizer Design for Droop Based Autonomous AC Microgrid	IEEE Transactions on Power Systems, vol. 35, no. 6, pp. 4369-4382, Nov. 2020, doi: 10.1109/TPWRS.2020.3000312	6.1
11	S. Mudaliyar, B. Duggal and S. Mishra	Electrical Engineering	Distributed Tie-Line Power Flow Control of Autonomous DC Microgrid Clusters	IEEE Transactions on Power Electronics, vol. 35, no. 10, pp. 11250-11266, Oct. 2020, doi: 10.1109/TPEL.2020.2980882.	8.5
12	Firdaus A. and Mishra S	Electrical Engineering	Mitigation of Power and Frequency Instability to Improve Load Sharing Among Distributed Inverters in Microgrid Systems	IEEE Systems Journal, vol. 14, no. 1, pp. 1024-1033, March 2020, doi: 10.1109/JSYST.2019.2920018	5.3
13	Kumar, M., Pant, A., Bansal, R., Pandey, A., Gomes, J., Khare, K., Banerjee, M.	Physics, KSBS	Electron microscopy-based semi-automated characterization of aggregation in monoclonal antibody products	Computational and Structural Biotechnology Journal, 18, 1458–1465. <a href="https://doi.org/10.1016/j.csbj.2020.06.009">https://doi.org/10.1016/j.csbj.2020.06.009</a>	6.0
14	Gadkari R.R, Ali S. Wazed, Joshi M., Rajendran S., Das A., Alagirusamy R.,	Textile Technology	Leveraging antibacterial efficacy of silver loaded chitosan nanoparticles on layer-by-layer self-assembled coated cotton fabric	International Journal of Biological Macromolecules, 162, 548-560, - Department of Science and Technology (DST), Govt. of India, for funding to complete this researchwork under 'Water Research Initiative' Scheme	5.1
15	Bairagi S., Ali S. Wazed	Textile Technology	Flexible lead-free SM-KNN/PVDF electro spun nanocomposite based piezoelectric materials: significant enhancement of energy harvesting efficiency of the nanogenerator	Energy, 198, 117385. -SERB	6.0

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16	Afreen, G.; Pathak, S.; Upadhyayula, S	Chemical Engineering	Gas phase alkylation of biomass-derived m-cresol with iso-propanol over zinc modified HY zeolite: Elucidating reaction mechanism and kinetics including deactivation	Chemical Engineering Journal, 400, 125824. – Ministry of Human Resource Development, Government of India	10.8
17	Godiyal A., Joshi D	CBME	Optimal force myography placement for maximizing locomotion classification accuracy in transfemoral amputees: A pilot study	IEEE Journal of Biomedical and Health Informatics DOI: 10.1109/JBHI.2020.3015317, Funded by DST, GoI	5.2
18	Thakur, G., Thori, S., & Rathore, A. S.	Chemical Engineering	Implementing PAT for single-pass tangential flow ultrafiltration for continuous manufacturing of monoclonal antibodies.	Journal of Membrane Science, 613 doi:10.1016/j.memsci.2020.118492 -DBT and DST Uchchar Avishkar Yojana/MHRD 21–105/2015-TS.II/TC	7.1
19	Parmar, V., & Suri, M	Electrical Engineering	A Hybrid CMOS-Memristive Approach to Designing Deep Generative Models.	IEEE Transactions on Neural Networks and Learning Systems, (Mim), 1–7. <a href="https://doi.org/10.1109/tnnls.2020.3008154">https://doi.org/10.1109/tnnls.2020.3008154</a>	12.1
20	Sumit Kumar, Neerja Yadav, Lata Nain and S.K. Khare	Chemistry	A simple downstream processing protocol for the recovery of lactic acid from the fermentation broth	Bioresource Technology, 318, 124260. NASF GOI project	7.5
21	Syeda Warisul Fatima, Sayan Barua, Meryam Sardar and S.K. Khare	Chemistry	Immobilization of Transglutaminase on Multi-walled Carbon Nanotubes and its Application as Bioinspired Hydrogel Scaffolds	International Journal of Biological Macromolecules, 163, 1747-1758. MFIRP-IITD-NII	5.1