



SCI Published Papers 2020

SI No	Name of the Faculty	Chicago format	Link to the relevant document
1	Dr. Sirisha K Kranthi kumar gangu	Korra, Sirisha, Kranthi Kumar Gangu, PVV Prasada Rao, and Sreekantha B. Jonnalagadda. "A study on assessment of vulnerability of seawater intrusion to groundwater in coastal areas of Visakhapatnam, India." <i>Environment, Development and Sustainability</i> 23, no. 4 (2021): 5937-5955.	https://link.springer.com/article/10.1007/s10668-020-00855-2
2	T V S P V Satya guru Kranthi kumar gangu	Tvspv, Satya Guru, Kranthi Kumar Gangu, Suresh Maddila, and Sreekantha B. Jonnalagadda. "Excellent catalytic activity of ethylenediamine stabilised oxalate ligated aluminium coordination complex for synthesis of novel benzoquinolines." <i>Polyhedron</i> 189 (2020): 114734.	https://doi.org/10.1016/j.poly.2020.114734
3	Dr. Santhosh Kumar Alla	Alla, S. K., Hima Bindu Duvuru, S. K. Shaw, BBVS Vara Prasad, M. K. Kumar, Sher Singh Meena, Nidhi Gupta, and N. K. Prasad. "Zr-substituted cobalt oxide nanoparticles: structural, magnetic and electrical properties." <i>Journal of Materials Science: Materials in Electronics</i> 30, no. 22 (2019): 20088-20098.	https://link.springer.com/article/10.1007/s10854-019-02381-y
4	Dr. Santhosh Kumar Alla	Alla, S. K., Sher Singh Meena, Nidhi Gupta, R. K. Mandal, and N. K. Prasad. "Ferromagnetic Bismuth-Substituted CeO ₂ Nanostructures and Prevalence of Antiferromagnetic Clusters." <i>Journal of Superconductivity and Novel Magnetism</i> 33, no. 12 (2020): 3941-3947.	https://link.springer.com/article/10.1007/s10948-020-05658-0
5	Dr. M P V V Bhaskar Rao	Raju, K. Deniel, MPVV Bhaskara Rao, Y. Aditya, T. Vinutha, and D. R. K. Reddy. "Kantowski–Sachs universe with dark energy fluid and massive scalar field." <i>Canadian Journal of Physics</i> 98, no. 11 (2020): 993-998.	https://doi.org/10.1139/cjp-2019-0563
6	Dr. K Yellaeswara Rao	Yellaeswara Rao, K., Habibuddin Shaik, and G. Mohan Rao. "Insights into the Mixed Oxide Thin Film Cathodes of LiCoO ₂ , LiMn ₂ O ₄ and TiO ₂ Deposited from Powder Target." <i>Journal of nanoscience and nanotechnology</i> 20, no. 6 (2020): 3762-3769.	https://doi.org/10.1166/jnn.2020.17678
7	Dr. Kranthi Kumar Ganga	Gangu, Kranthi Kumar, Varalakshmi Pothala, Satya Guru TVSPV, Suresh Maddila, and Sreekantha B. Jonnalagadda. "A study on the catalytic behaviour of Cd (II) and Sm (III) coordination complexes towards the four-component synthesis of quinoline-3-carboxylates." <i>Inorganic Chemistry Communications</i> 119 (2020): 108084.	https://doi.org/10.1016/j.inoc.2020.108084
8	Dr. B Dhana Lakshmi	Dhanalakshmi, B., B. Chandra Sekhar, K. V. Vivekananda, B. Srinivasa Rao, B. Parvatheeswara	DOI:10.1007/s00339-020-

		Rao, and PSV Subba Rao. "Enhanced dielectric and magnetic properties in Mn-doped bismuth ferrite multiferroic nanoceramics." <i>Applied Physics A</i> 126, no. 7 (2020): 1-9.	03745-6
9	Dr.M.P.V.V. Bhaskara Rao	Raju, K. Deniel, MPVV Bhaskara Rao, Y. Aditya, T. Vinutha, and D. R. K. Reddy. "Kantowski–Sachs universe with dark energy fluid and massive scalar field." <i>Canadian Journal of Physics</i> 98, no. 11 (2020): 993-998.	https://doi.org/10.1139/cjp-2019-0563
10	Dr. E Laxmi Lydia	Sivaram, M., E. Laxmi Lydia, Irina V. Pustokhina, Denis Alexandrovich Pustokhin, Mohamed Elhoseny, Gyanendra Prasad Joshi, and K. Shankar. "An optimal least square support vector machine based earnings prediction of blockchain financial products." <i>IEEE Access</i> 8 (2020): 120321-120330.	DOI: 10.1109/ACCESS.2020.3005808
11	Dr. E Laxmi Lydia	Mohanty, Sachi Nandan, E. Laxmi Lydia, Mohamed Elhoseny, Majid M. Gethami Al Otaibi, and K. Shankar. "Deep learning with LSTM based distributed data mining model for energy efficient wireless sensor networks." <i>Physical Communication</i> 40 (2020): 101097.	https://doi.org/10.1016/j.phycom.2020.101097
12	Dr. E Laxmi Lydia	Nguyen, B. L., E. L. Lydia, M. Elhoseny, I. V. Pustokhina, D. A. Pustokhin, M. M. Selim, G. N. Nguyen, and K. Shankar. "Privacy preserving blockchain technique to achieve secure and reliable sharing of IoT data." <i>Comput. Mater. Contin</i> 65 (2020): 87-107.	doi:10.32604/cm.2020.011599
13	Dr. E Laxmi Lydia	Anupama, C. S. S., M. Sivaram, E. Laxmi Lydia, Deepak Gupta, and K. Shankar. "Synergic deep learning model–based automated detection and classification of brain intracranial hemorrhage images in wearable networks." <i>Personal and Ubiquitous Computing</i> (2020): 1-10.	https://link.springer.com/article/10.1007/s00779-020-01492-2
14	Dr. E Laxmi Lydia	Lydia, E. Laxmi, G. Jose Moses, Vijayakumar Varadarajan, Fredi Nonyelu, Andino Maselena, Eswaran Perumal, and K. Shankar. "CLUSTERING AND INDEXING OF MULTIPLE DOCUMENTS USING FEATURE EXTRACTION THROUGH APACHE HADOOP ON BIG DATA." <i>Malaysian Journal of Computer Science</i> (2020): 108-123.	https://ejournal.um.edu.my/index.php/MJCS/article/view/27338
15	Dr. S.V. Jagadeesh Chandra	Rajvee, Mohammad Hayath, SV Jagadeesh Chandra, P. Rajesh Kumar, C. H. V. V. Ramana, and Kalahasthi Neelama. "Synthesis and Analysis of Zirconium Titanate Thin Films by using Sol-Gel Method." (2020).	https://doi.org/10.33263/BRIAC115.1276112768
16	Mrs. Uma Maheswari Ramisetty	Ramisetty, Uma Maheswari, and Sumanth Kumar Chennupati. "Optimization of number of base station antennas in downlink massive MIMO and analysis of imperfect channel state information by perfection factor." <i>Engineering Science and Technology, an International Journal</i> 23, no. 4 (2020): 851-858.	https://doi.org/10.1016/j.jestch.2019.10.009
17	Dr. S.V. Jagadeesh Chandra	Kondaiah, Paruchuri, S. V. Jagadeesh Chandra, Elvira Fortunato, Choi Chel Jong, G. Mohan Rao, DV Rama Koti Reddy, and S. Uthanna. "Substrate temperature influenced ZrO ₂ films for MOS devices." <i>Surface and Interface Analysis</i> 52, no. 9 (2020): 541-546.	https://doi.org/10.1002/sia.6775
18	Dr. Sourav Roy	Roy, Sourav, Soumendu Ghosh, Soumya Sundar Pattanayak, and Ujjal Chakarborty. "Dual-polarized textile-based two/four element MIMO antenna with	https://doi.org/10.1002/m

		improved isolation for dual wideband application." <i>International Journal of RF and Microwave Computer-Aided Engineering</i> 30, no. 9 (2020): e22292.	mce.22292
19	Dr. Sourav Roy	Roy, Sourav, and Ujjal Chakraborty. "Mutual coupling reduction in a multi-band MIMO antenna using meta-inspired decoupling network." <i>Wireless Personal Communications</i> 114 (2020): 3231-3246.	https://link.springer.com/article/10.1007%2Fs11277-020-07526-5
20	Dr. T. V. MADHUSUDHANA RAO	Rao, P. Srinivasa, Pradeep Bheemavarapu, PS Latha Kalyampudi, and TV Madhusudhana Rao. "An Efficient Method for Coronavirus Detection Through X-rays using deep Neural Network." <i>Current Medical Imaging</i> (2021).	DOI: 10.2174/1573405617999210112193220
21	Dr. G Yoganjaneyulu	Yoganjaneyulu, G., Natarajan Manikandan, and C. Sathiya Narayanan. "Investigations on multi-sheets single point incremental forming of commercial pure titanium alloys." <i>Materials and Manufacturing Processes</i> 35, no. 9 (2020): 1002-1009.	https://doi.org/10.1080/10426914.2020.1753882
22	Dr. G Yoganjaneyulu	Ganesh, Saikrishnan, Yoganjaneyulu Gunda, Sudhan Raj Jegan Mohan, Vijay Raghunathan, and Jafrey Daniel James Dhillip. "Influence of stacking sequence on the mechanical and water absorption characteristics of areca sheath-palm leaf sheath fibers reinforced epoxy composites." <i>Journal of Natural Fibers</i> (2020): 1-11.	https://doi.org/10.1080/15440478.2020.1787921
23	Dr. L V V Gopala Rao	Rao, LVV Gopala, and S. Narayanan. "Optimal response of half car vehicle model with sky-hook damper based on LQR control." <i>International Journal of Dynamics and Control</i> 8, no. 2 (2020): 488-496.	https://link.springer.com/article/10.1007/s40435-019-00588-9
24	Dr. Girish E Bhiogade	Karwade, Amit, Shashikant Thombre, and Girish Bhiogade. "Investigations on premixed charge compression ignition type combustion using butanol-diesel blends." <i>Journal of Thermal Science and Technology</i> 15, no. 3 (2020): JTST0026-JTST0026.	https://doi.org/10.1299/jtst.2020jtst0026