

## Research Publications in 2019

1. Anjanna Matta, **“Thermal Instability Analysis on Maxwell Fluid Flow through a Horizontal Porous Layer with the Effect of Internal Heat Source”**, *Indian Society for Heat and Mass Transfer Digital Library*, 2019, ISBN: 978-1-56700-478-6, Others.
2. Anshuman Kumar, Vivekananda Kukkala, Kumar Abhishek, **“Experimental Investigation and Optimization of process parameter for Inconel 718 using Wire Electrical Discharge Machining (WEDM)”**, *Journal of Advanced Manufacturing Systems.*, 2019, 0219-6867,1793-6896, UGC Care/Web of Science/Scopus.
3. G. Sudhaamsh Mohan Reddy, S. Srinivas rau, and b. Uma, **“Kronecker’s Lemma and a Converse with Applications”**, *International Journal of Advanced Science and Technology Vol. 28, No. 16, (2019)*, pp. 1312-1314, 2019, ISSN: 2005-4238, Others (Research Gate/Ebscohost).
4. G. Sudhaamsh Mohan Reddy, S. Srinivas rau, and b. Uma, **“A Direct Proof of Convergence of Euler Product For  $Ld(1)$ ”**, *International Journal of Advanced Science and Technology Vol. 28, No. 16, (2019)*, pp. 1308-1311, 2019, ISSN: 2005-4238 (Print), Others (Research Gate/Ebscohost).
5. Venkanna Bachu, Anjanna Matta, **“Study on hadley-prats flow in a horizontal porous layer with the effect of variable gravity and internal heat source,”**, *Indian Society for Heat and Mass Transfer Digital Library*, 2019, ISSN: 2207-6360 (Online), Others.
6. K.Kishore Kumar and P.Trinatha Rao, **“Age-Invariant Face Recognition using Multiple Descriptors along with Modified Dimensionality Reduction Approach”**, *Multimedia Tools and Applications, Springer*, June 2019, 2019, ISSN 1380-7501, Web of Science/Scopus.
7. Shaik Himam saheb, Chandrashekhar A, **“Experimental study on influence of filler rods in gas Tungsten Arc welding”**, *AIP Conf. Proc*, 2019, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
8. B. Naresh Kumar Reddy, **“Design and implementation of high performance and area efficient square architecture using Vedic Mathematics”**, *Analog Integrated Circuits and Signal Processing.*, 2019, ISSN: 0925-1030, UGC Care/Web of Science/Scopus.
9. G. Nagaraju, Anjanna Matta, S. Shilpa,, **“Second law analysis of magnetized micropolar fluid on horizontal inner rotating cylinder with chemical reaction and cross diffusions effects”**, *ARPJ Journal of Engineering and Applied Sciences*, 2019, ISSN:1819-6608, UGC Care/Scopus.
10. Kishore K Kumar, Movva Pavani, **“Monitoring Real-Time Urban Sulphur Dioxide and Ammonia Emissions Using the Wireless Sensor Networks”**, *ARPJ Journal of Engineering and Applied Sciences (JEAS) Vol. 14 No. 20, Page Nos 3504-3508, October, 2019*, 2019, ISSN:1819-6608, UGC Care/Scopus.
11. SN ARAVIND RUDRARAPU, GOURI SANKHAR BRAHMA,, **“Synthesis and Characterization of Cobalt(III) Complex of 1,5-bis(2-Hydroxybenzamido)-3-aza pentane and its Interaction with Glutathione: A Kinetic and Spectrophotometric Study”**, *Asian Journal of Chemistry*, 2019, Online ISSN: 1861-471X, UGC Care/Scopus.
12. Vijay Kumar Pujari, Srilalitha Vinnakota, Ramana Kumar Kakarla And Sridhar Marojua, **“Microwave Assisted Synthesis and Antimicrobial Activity of 1-(2-Chloropyridin-3-yl)-3-substituted Urea Derivatives”**, *Asian Journal of Chemistry*, 2019, 9707077, UGC Care/Scopus.

13. U.Ravikiran, P. Sarah, Gagan Anand, Elizabeth Zacharias, **"Influence of Na, Sm substitution on dielectric properties of SBT ceramics"**, *Ceramics International*, 2019, 0272-8842, UGC Care/Web of Science/Scopus.
14. U.Ravikiran, Elizabeth Zacharias, G.Rajashekhar and P.Sarah, **"Impedance spectroscopy studies on samarium and sodium substituted strontium bismuth titanate"**, *Ceramics International*, 2019, 0272-8842, UGC Care/Web of Science/Scopus.
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16. R. Balamurali, K. Kathiravan, T. Krishnan, **"Mitigating Hotspot Issue in WSN Using Sensor Nodes with Varying Initial Energy Levels and Quantification Algorithm"**, *Cybernetics and Information Technologies*, 2019, Print ISSN: 1311-9702; Online ISSN: 1314-4081, UGC Care/Web of Science/Scopus.
17. U. Ravikiran, P. Sarah, M. Buchi Suresh, and Elizabeth Zacharias, **"Effect of Sm and Na substitution on dielectric properties of SrBi4Ti4O15"**, *FERROELECTRICS*, VOL. 537, 237–245 May (2019), 2019, 0015-0193, UGC Care/Web of Science/Scopus.
18. Sachi Nandan Mohanty, K. C. Ramya, S. Sheeba Rani, Deepak Gupta, K. Shankar, S. K. Laksmanaprabu, Ashish Khanna, **"An efficient Lightweight integrated Blockchain(ELIB) model for IoT security and privacy"**, *Future Generation Computer Systems*, Vol.102, Issue-2,1027-1037 (2019), 2019, ISSN:1027-1037, UGC Care/Web of Science/Scopus.
19. Anjanna Matta, **"Mono-diffusive Hadley–Prats flow in a horizontal porous layer subject to variable gravity and internal heat generation"**, *Heat Transfer - Asian Research (Feb 2019)*, 1-14, 2019, 10992871, UGC Care/Web of Science/Scopus.
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24. S. Shilpa, G. Nagaraju, Anjanna Matta,, **"Thermodynamic Analysis for a Cross Diffusive Magnetized Couple Stress Fluid in Horizontal Inner Rotating Cylinder"**, *International Journal of Advanced Trends in Computer Applications*, 2019, 2395-3519, Others.

25. Anjanna Matta, **“A Study of Thermal Convection in a Horizontal Porous Layer with Effect of Variable Gravity and Internal Heat Source”**, *International Journal of Advanced Trends in Computer Applications*, 2019, 2395-3519, Others.
26. G SUDHAAMSH MOHAN REDDY, **“Annular Apertures in Point Spread Function of Amplitude Anodization Filters in Peripheral Obscuration”**, *International Journal of Control and Automation*, 2019, ISSN: 2005-4297, UGC Care/Scopus.
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31. S. Vairachilai, **“Reversible Data Hiding in Digital Image”**, *International Journal of Engineering and Advanced Technology (IJEAT), Volume-8, Issue-6S3, 2019*, 2019, ISSN: 2249 – 8958,, Others (Research Gate/Ebscohost).
32. P Rohini,L K Rao, M Narayana, **“Lemp: a Robust Image Feature Descriptor for Retrieval Applications”**, *International Journal of Engineering and Advanced Technology (IJEAT) Volume-9 Issue-1, October, 2019*, 2019, ISSN: 2249 – 8958,, Others (Research Gate/Ebscohost).
33. Shubhangi Urkude, Kshitij Gupta, **“Student Intervention System using Machine Learning Techniques”**, *International Journal of Engineering and Advanced Technology, volume-8, issue-6S3, september 2019*, 2019, ISSN: 2249 – 8958, Others (Research Gate/Ebscohost).
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35. Kishore K Kumar, Movva Pavani, **“Design of A Flexible PET Based Yagi Dipole Antenna”**, *International Journal of Innovative Technology and Exploring Engineering*, 2019, ISSN: 2278-3075, Others (Research Gate/Ebscohost).
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37. Sandeep Kumar Panda, Sathya A.R, Manoranjan Mishra, **“A Supervised Learning Algorithm to forecast weather conditions for playing cricket”**, *International Journal of Innovative Technology and Exploring Engineering, Volume-9, Issue-1, November 2019*, 2019, ISSN: 2278-3075, Others (Research Gate/Ebscohost).

38. Pravat Ranjan Pati,, **“Prediction and wear performance of red brick dust filled glass–epoxy composites using neural networks”**, *International Journal of Plastics Technology*, 2019, ISSN: 0972656X, 0975072X, Others (Research Gate/Ebscohost).
39. Sirisha Potluri, S.S.R. Emmadi, **“Android Based Instant Messaging Application Using Firebase”**, *International Journal of Recent Technology and Engineering*, 2019, 2277-3879, Others (Research Gate/Ebscohost).
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