

## Research Publications in 2017

1. G Suresh Kumar ,AVSSKS Gupta, M Viswanadham, (First Author), **“Sensitivity Analysis and Optimization of Parameters for the Gasification of High Ash Indian Coal”**, *International Journal of Applied Engineering Research*, 2017, 0973-4562, Scopus.
2. G.S.Mohan Reddy, **“Non Linear Double Diffusive Convection In A Couple Stress Fluid With Rotational Modulation”**, *International Journal of Engineering Research and Application*, 2017, ISSN:2248-9622, UGC Care.
3. Harika Devi Kotha , Avinash Malladi, **“A study on Text Mining Techniques and Applications”**, *International Journal of Latest Engineering Research and Applications (IJLERA)* ISSN: 2455-7137, 2017, ISSN: 2455-7137, Others.
4. AnjannaMatta, G. Nagaraju and K. Kaladhar, **“The Effects of Soret and Dufour, Chemical Reaction, Hall and Ion Currents on Magnetized Micropolar flow Through Co-rotating Cylinders, AIP Advances.”**, *AIP Advances*, 2017, ISSN: 2158-3226, UGC Care/Web of Science/Scopus.
5. Vairachilai S, Kavitha Devi, MK and Raja M, **“Analysis of Statistical and Structural Properties of Complex Networks with Random Networks”**, *Applied Mathematics & Information Sciences*, 2017, 1935-0090, 2325-0399, Others (Goggle Scholar/Ebscohost).
6. E. Manikanta, L. Vinoth Kumar, Ch. Leela and P. PremKiran, **“Effect of laser intensity on temporal and spectral features of laser generated acoustic shock waves ns versus ps laser pulses”**, *Applied Optics*, 2017, ISSN: 1559-128X (print); ISSN: 2155-3165 (online), UGC Care/Web of Science/Scopus.
7. Nabanita Pal, Indrani Mukherjee, Sriparna Chatterjeeand Eun-Bum Cho, **“Surfactant-assisted synthesis of ceria–titania-rich mesoporous silica materials and their catalytic activity towards photodegradation of organic dyes”**, *Dalton Transactions*, 2017, 1477-9226 (print) 1477-9234 (web), UGC Care/Web of Science/Scopus.
8. A Manmadhachary, Malyala Santosh Kumar, Y Ravi Kumar, M Haranadha Reddy and AlwalaAdityamohan, **“Design & Manufacturing of Implant for reconstructive surgery: A Case Study”**, *DesTech Conference Proceedings The International Conference on Design and Technology*, 2017, 2518-6841, Others.
9. Kumar Abhishek, V. Rakesh Kumar, SauravDatta and SibaSankarMahapatra, **“Application of JAYA algorithm for the optimization of machining performance characteristics during the turning of CFRP (epoxy) composites: comparison with TLBO, GA, and ICA”**, *Engineering with Computers*, 2017, 1435-5663, 0177-0667, Web of Science/Scopus.
10. Shaik Himam Saheb, M.Naveen Kumar, **“Manufacturing and Testing of Braking Material-AMC 3”**, *Global Journal of Research In Engineering*, 2017, 2249-4596, Others.
11. Shaik Himam Saheb G. Satish Babu, **“Design and Analysis of Light Weight Agriculture Robot”**, *Global Journal of Researches in Engineering: A Mechanical and Mechanics Engineering(2017, Volume XVII, Issue VI)*, 2017, ISSN:2249-4596., Others.
12. H.Sudheer, SF Kodad, B.Sarvesh, **“Improved Sensorless Direct Torque Control of Induction Motor Using Fuzzy Logic and Neural Network Based Duty Ratio Controller”**, *IAES International Journal of Artificial Intelligence*, 2017, ISSN: 2252-8938, Scopus.

13. K. Kishore Kumar ; Movva Pavani, "**LBP based biometric identification using the periocular region**", *IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)*, 2017, Electronic ISBN:978-1-5386-3371-7, Print on Demand(PoD) ISBN:978-1-5386-3372-4, Others.
14. Movva Pavani ; K. Kishore Kumar, "**Design of low cost portable 12 lead wireless ECG device using TI ADS 1198**", *IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)*, 2017, Electronic ISBN:978-1-5386-3371-7, Others.
15. P. Rohini , L Koteswara Rao, "**Hadoop based CBIR using the Integration of Color and MDLEP**", *IJARIIIE-ISSN*, 2017, Print on Demand(PoD) ISBN:978-1-5386-3372-4, Others.
16. Harika Devi Kotha, "**Study of textmining techniques and Applications**", *IJLERA*, 2017, 2455-7137, Others.
17. P.Pradeep and M.Pavani, "**RFID security access control system**", *IJMETMR Formal Verification on signcryption Journal*, 2017, ISSN:2348-4845, Others.
18. Harika Devi Kotha, "**Study of textmining methods and Applications**", *International Journal of Research in Engineering, IT and Social Sciences*, 2017, ISSN 2250-0588, UGC Care.
19. Rohini P, L.Koteswara Rao, "**Hadoop based Image Retrieval using CDLEP and Gabor Features**", *IJSRD*, 2017, ISSN (online): 2321-0613, Others.
20. L. Siva Rama Krishna, M. Kamal, Sriram Venkatesh, and Manmadhachary, "**Design and Manufacturing of a Scaffold for Biomedical Applications Using Additive Manufacturing**", *Indian Journal of Scientific Research(IJSR)*, 2017, 2250-0138, Others.
21. Syed Shakeel Hashmi, Syed Abdul Sattar and K.Soundararajan, "**Optimal Spectrum Utilization and flow Controlling in heterogeneous Network with Reconfigurable Devices**", *International Journal of Electronics and Telecommunications*, 2017, ISSN:2017-0036, Web of Science/Scopus.
22. R.P. Mohanthy and Anand Prakash, "**Searching for Definitions and Boundaries in Sustainable Production System**", *International Journal of Services and Operations Management*, 2017, 1744-2370, 1744-2389, Scopus.
23. Movva Pavani and P.Trinatha Rao, "**Urban Air Pollution Monitoring Using Wireless Sensor Networks: A Comprehensive Review**", *International Journal Of Communication Networks and Information Security (IJCNIS)*, 2017, ISSN: 2076-0930 (Print) ISSN: 2073-607X (Online), Scopus.
24. Sirisha Potluri, Katta Subba Rao,, "**Quality of Service based Task Scheduling Algorithms in Cloud Computing**", *International Journal of Electrical and Computer Engineering (IJECE)*, 2017, ISSN 2088-8708, e-ISSN 2722-2578, UGC Care/Scopus.
25. Harika Devi Kotha, V Mnssvkr Gupta, "**The Analysis of Factors Affecting college choice by using Tableau**", *International Journal of Emerging Research in management & Technology*, 2017, ISSN:2278-9359, Others.
26. P. Ravikanth Raju, Ch. Rajesh Mohammed Zuber R. Venkat Reddy, "**Free Vibration Analysis of Curved Cantilever Sandwich Structure**", *International Journal of Engineering Research and Application(IJERA)* ISSN: 2248-9622, 2017, 2248-9622, Others.
27. ManishaGunturi and M.Srinivasa Reddy, "**Micro Level Analysis of Stabilized Expansive Soil**", *International Journal of Engineering Research and Development*, 2017, ISSN 2278-067X'--, Others.

28. S. Bhargava Satvik Sarma, R. Likhith Rana Govind, **“CFD analysis on conical and bell nozzle”**, *International Journal of Engineering Technology, Management and Applied Sciences*, 2017, 2349-4476, Others.
29. Mandala Vaman Reddy, C. Chandra Sekhar D.V.Raghunatha Reddy, **“Performance Prediction of Domestic Refrigeration System using R436A Refrigerant as alternative Refrigerant to R134a with ANN”**, *International Journal of Innovative Research in Science, Engineering and Technology*, 2017, 2319-8753, Others.
30. Anjanna Matta and Antony A. Hill,, **“Double-diffusive convection in an inclined porous layer with a concentration based internal heat source”**, *Continuum Mechanics and Thermodynamics, (Springer Journal )*, 2017, Electronic ISSN 1432-0959, Print ISSN 0935-1175, UGC Care/Web of Science/Scopus.
31. Shaik Himam Saheb , Dr. G. Satish Babu, **“Design and Analysis of In-Pipe Inspection Robot”**, *International Journal of Scientific Research in Science, Engineering & Technology*, 2017, Online ISSN: 2394-4099, Print ISSN: 2395-1990, UGC Care.
32. A. ChandhraShekhar, **“Generation Of Manipulability Ellipsoids For Different Configurations Using The Yoshikawa’s Manipulability Index And Manipulability Ellipsoid”**, *International Journal of Theoretical and Applied Mechanics*, 2017, 973-6085, UGC Care/Web of Science.
33. Syed Shakeel Hashmi, Syed Abdul Sattar and K. SoundaraRajan, **“Multi objective Coordination approach for resource utilization in Heterogeneous Cognitive Radio Network”**, *International Journal on Communications Antenna and Propagation*, 2017, ISSN: 2039-5086, eISSN: 2533-2929, UGC Care/Scopus.
34. K.Kishore Kumar and Movva Pavani (First & Second Author), **“Design of a Compact Rectangular Patch Antenna Using Defected Ground Structure,”**, *International Journal on Communications Antenna and Propagation (IRECAP)*, 2017, ISSN:2039-5086, UGC Care/Scopus.
35. Sirisha Potluri, Katta Subba Rao (First Author), **“Efficient Hybrid Qos Driven Task Scheduling Algorithm in Cloud Computing Using a Toolkit: Cloudsim,”**, *Journal of Advanced Research in Dynamical and Control Systems*,, 2017, ISSN:1943-023X, UGC Care/Scopus.
36. Sudheer. H, Kodad S.F and Sarvesh B, **“Improvements in Direct Torque Control of Induction Motor for wide range of Speed Operation using Fuzzy Logic”**, *Journal of Electrical Systems and Information Technology*, 2017, ISSN:2314-7172, Others.
37. Trilochan Swain and GowriShanker Brahma, **“Synthesis, characterization and Thermal property of phosphate and sulfate mixtures”**, *Journal of Inorganic organometallic Polymers and Materials*, 2017, 15741443, Web of Science/Scopus.
38. M.Modak, Nabnita Pal, S Mondal, M.Sardar and S.Banerjee, **“Magnetic behavior of nanostructured NiTiO<sub>3</sub> and NiO material: Anomalous increase in coercivity”**, *Journal of Magnetism and Magnetic Materials*, 2017, ISSN 0304-8853 (print); 1873-4766 (web), UGC Care/Web of Science/Scopus.
39. Mantra Prasad Sathpathy and Susanta Kumar Sahoo, **“Mechanical performance and metallurgical characterization of ultrasonically welded dissimilar joints”**, *Journal of Manufacturing Processes*, 2017, ISSN: 1526-6125, UGC Care/Web of Science/Scopus.
40. Mantra Prasad Satpathy, Abhishek Kumar and Susanta Kumar Sahoo, **“Effect of brass interlayer sheet on Microstructure and Joint Performance of Ultrasonic spot-welded Copper- Steel Joints”**, *Journal of Materials Engineering and Performance*, 2017, 1059-9495, UGC Care/Web of Science/Scopus.

41. Abhisek Midya Lakshmanan Kuppusamy, Sumitha V.S (First Author), **"1 – Normal DRA for Insertion Languages"**, *Lecture Notes in Computer Science (LNCS - 10398)*, 2017, ISSN: 0302-9743, UGC Care/Scopus.
42. Gargi Dinda, Dipankar Halder, Atanu Mitra, Nabanita Pal, Carlos Vázquez-Vázquez and M. Arturo López-Quintela, **"Study of the antibacterial and catalytic activity of silver colloids synthesized using the fruit of Sapindus mukorossi"**, *New Journal of Chemistry*, 2017, ISSN 1144-0546, UGC Care/Web of Science/Scopus.
43. S. Sai Shiva, Ch. Leela, P. Prem Kiran, C. D. Sijoy, V. R. Ikkurthi and S. Chaturvedi. (Second Author), **"Numerical investigation of nanosecond laser induced plasma and shock wave dynamics from air using 2D hydrodynamic code,"**, *Physics of Plasmas*, 2017, ISSN:1070-664X (print) 1089-7674 (web), UGC Care/Web of Science/Scopus.
44. PravatRanjanPati and Mantra Prasad Satpathy, **"Experimental Investigation on Linz-Donawitz Slag Filled Polypropylene Composites Using Teaching-Learning Based Optimization Approach"**, *Polymer Composites*, 2017, Online ISSN: 1548-0569, UGC Care/Web of Science/Scopus.
45. Mahendra Shinde, **"Spatially periodic modulated thermal convection in granular fluids: A simulation study"**, *Powder Technology*, 2017, ISSN:0032-5910, Web of Science/Scopus.
46. AvinashMalladi, **"3D Metal Printing Technologies: A Review"**, *The IUP Journal of Mechanical Engineering*, 2017, 0974-6536, Others.
47. Movva Pavani, Nilesh Sharma, **"Li-Fi Technology in Wireless Communication"**, *The IUP Journal of Telecommunication*, 2017, ISSN: 0975-5551, Others.
48. Ranganadh Narayanam, **"Translation Invariance (TI) based Novel Approach for better De-noising of Digital images"**, *International Research Journal of Engineering and Technology*, 2017, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Others (Research Gate/Ebscohost).
49. G.S.Mohan Reddy, S.Srinivas Rau, **"Convergence of a Series Leading to An Analogue of Ramanujan's Assertion on Squarefree Integers"**, *Boletim da Sociedade Paranaense de Matemática*, 2017, 2175-1188, UGC Care/Web of Science.
50. K. Kishore Kumar, P. Trinatha Rao, **"Biometric Identification Using the Periocular Region"**, *Smart Innovation, Systems and Technologies*, 2017, Electronic ISSN 2190-3026, Print ISSN 2190-3018, Others (Research Gate/Ebscohost).
51. Ranganadh Narayanam, SSP Rao, **"Implementation of a highly efficient novel frequency domain snr hardware using xilinx fpgas"**, *Smart Innovation, Systems and Technologies*, 2017, ISSN: 2277-9655, Others.
52. Ranganadh Narayanam,, **"Voiced and unvoiced separation in speech auditory brainstem responses of human subjects using zero crossing rate"**, *International Journal of Engineering Sciences & Research Technology*, 2017, ISSN: 2277-9656, Others.
53. Digvijay V Nair; M.S.R. Murty, **"Modal Analysis of Power System and study of oscillatory instability"**, *IEEE explore*, 2017, 2473-2001, Others.
54. Mantra Prasad Satpathy & Susanta Kumar Sahoo., **"Experimental and numerical studies on ultrasonic welding of dissimilar metals"**, *The International Journal of Advanced Manufacturing Technology*, 2017, 1433-3015, Web of Science/Scopus.

55. Swayam BikashMishraaKumarAbhishekaMantra PrasadSatapathybSiba SankarMahapatrac, **“Parametric Appraisal of Compressive Strength of FDM Build Parts”**, *Materials today*, 2017, 2214-7853, UGC Care/Web of Science/Scopus.
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57. Chinmaya P.MohantyaSiba SankarMahapatrabManas RanjanSinghc, **“An intelligent approach to optimize the EDM process parameters using utility concept and QPSO algorithm”**, *Engineering Science and Technology, an International Journal*, 2017, 2215-0986, Web of Science/Scopus.
58. Kumar Abhishek, Suman Chatterjee, Saurav Datta, Siba Sankar Mahapatra, **“Integrating Principal Component Analysis, Fuzzy Linguistic Reasoning and Taguchi Philosophy for Quality-Productivity Optimization”**, *Materials Today*, 2017, , Web of Science/Scopus.
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60. Rahul, Kumar Abhishek, Saurav Datta, Bibhuti Bhusan Biswal and Siba Sankar Mahapatra, **“Machining performance optimisation during EDM of Inconel 718: a case experimental investigation”**, *International Journal of Productivity and Quality Management*, ISSN (print): 1746-6474ISSN (online): 1746-6482, 2017, 1746-6482, Web of Science/Scopus.
61. H Sudheer SF Kodad B sarvesh, **“Improvements in SVM-DTC of Induction Motor with Fuzzy Logic Controllers using FPGA”**, *International Review of Electrical Engineering (IREE)*, Vol.No.12, N.5, (September to October 2017), pp.440-449, 2017, 1827-6660, Others (Goggle Scholar/Ebscohost).