



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B.Reddy Nagar, Mylavaram – 521 230, Andhra Pradesh, INDIA.

Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi.

Accredited by NAAC, NBA Tier-1 for CSE, IT, ECE, EEE & ME and “CPE” status by UGC.

Research & Development Cell

Details of R & D Accomplishments during the A.Y.: 2020-21

i.	No. of SCI/WoS/ESCI Paper Publications	: 44
ii.	No. of Papers in Scopus indexed Journals	: 24
iii.	No. of Papers in Conf. Proceedings indexed by Scopus	: 26
	Total Papers in SCI & Scopus	: 94
iv.	No. of Open Access Journals	: 83
v.	No. of Papers in General Conf. Proceedings	: 09

Details of Publications							
S.No.	Dept.	SCI	SCOPUS		Open Access	Other Proc.	Total
			Journals	Conf. Proc.			
1.	AE	02	--	02	--	--	04
2.	CE	--	02	--	02	--	04
3.	CSE	02	01	11	27	04	45
4.	ECE	05	04	01	07	--	17
5.	EEE	04	--	04	20	01	29
6.	EIE	01	01	01	01	--	04
7.	ME	25	--	02	12	--	39
8.	IT	01	05	03	04	01	14
9.	FED	01	10	02	05	--	18
10.	MBA	03	01	--	05	03	12
	Total	44	24	26	83	09	186

SCI/ESCI/WoS Publications - 44

ASE: 02, CE: 00, CSE: 02, ECE: 05, EEE: 04, EIE:01, ME: 25, IT: 01, FED: 01, MBA: 03 Total: 44

Department of Aerospace Engineering - 02

1. **Effect of Orifice Spacing on Twin Circular Parallel Compressible Jets**, K. B. V. Satya Prakash, P. Lovaraju and E. Rathakrishnan, *International Journal of Turbo & Jet Engines*, 38(3) (April 2021), 223-232, 2191-0332 (online)
2. **Flutter Characteristics of Axially Functional Graded Composite Wing System**, L. Prabhu, J. Srinivas, *Advances in aircraft and spacecraft science*, 7(4) (July 2020), 353-369, 2287-5271 (online)

Department of Computer Science Engineering - 02

3. **"An Effective Face Recognition System Based On Cloud Based Iot With A Deep Learning Model."** Deepika Chauhan, Ashok Kumar, Pradeep Bedi, Vijay Anant Athavale, D.Veeraiah, Boppuru Rudra Pratap, *Microprocessors And Microsystems*, 0141-9331, <https://www.sciencedirect.com/science/article/pii/S0141933120308711>.
4. **An Additive Sparse Logistic Regularization Method for Cancer Classification in Microarray Data**, Vijay Suresh Gollamandala and Lavanya Kampa, *The International Arab Journal of Information Technology*, 214-220,1683-3198, *International Arab Journal of Information Technology (IAJIT)*, Sep-2020. <https://iajit.org/PDF/Vol%2018,%20No.%202/19647.pdf>

Department of Electronics and Communication Engineering - - 05

5. **Design of Complementary Split Ring Resonators on Elliptical Patch Antenna with Enhanced Gain for Terahertz Applications**, Keevath Kumar Naik, M Suman, **E.V. Krishna Rao**, *Optik*, 243, (June 2021), 167434, 0030-4026 (Print), 1618-1336 (online) **(SCI & SCOPUS)**
6. **System Investigation from Material Characterization to Modeling of Jute-Substrate-Based Conformal Circularly Polarized Wearable Antenna**, D. Ram Sandeep, N. Prabhakaran, B.T.P. Madhav, K.L. Narayana, **P. Rakesh Kumar**, *Journal of Electronic Materials*, 49(12), (October 2020), 7292-7307, ISSN: 0361-5235 (Print), 1543-186X (Online) **(SCI & SCOPUS)**
7. **Relocation of 5G Network in Mobile Devices for Effective Carrier Frequency Distribution**, **B.Poornaiah**, G. Kiran Kumar, P Shamili Srimani, M Narendra Reddy, *Turkish Journal of Physiotherapy and Rehabilitation*, 32(2), (April 2021), 1138-1149, 2651-4451(Print), 2651-446x (e-ISSN) **(ESCI & SCOPUS)**
8. **Performance Analysis of Fractional Earthworm Optimization Algorithm for Optimal Routing in Wireless Sensor Networks**, **Venkat Rao Pasupuleti**, Ch. Balaswamy, *EIA Endorsed Transactions on Scalable Information Systems*, (April 2021), 2032-9407 (Online) **(ESCI)**
9. **Performance Analysis of Neural Network, NMF and Statistical Approaches for Speech Enhancement**, **Ravi Kumar Kandagatla**, Venkata Subbaiah Potluri, *International Journal of Speech Technology*, 23(4),(September 2020), 917-937, 1381-2416 (Print), 1572-8110 (online). **(ESCI & SCOPUS)**

Department of Electrical and Electronics Engineering - 04

10. **A Novel Time-Domain Passive Islanding Detection Technique for Grid-Connected Hybrid Distributed Generation System**, Pangedaiiah Bezawada, Pedda Obulesu Yeddula, Venkata Reddy Kota, Arabian Journal for Science and Engineering, April-2021, 2193-567X, <https://doi.org/10.1007/s13369-021-05493-y>. (SCI & SCOPUS)
11. **A New Architecture Topology for Back to Back Grid-Connected Hybrid Wind and PV System**, Pangedaiiah Bezawada Y P Obulesu, Venkata Reddy Kota, Journal of Electrical Engineering & Technology, 16, Pages: 1457-1467, May-2021, 1975-0102, <https://doi.org/10.1007/s42835-021-00685-w>. (SCI & SCOPUS)
12. **A new time domain passive islanding detection algorithm for hybrid distributed generation systems**, Pangedaiiah Bezawada, Pedda Obulesu Yeddula, Venkata Reddy Kota, International Transactions on Electrical Energy Systems, 30 (12), Page. No: 1-14, December 2020, 2050-7038. (SCI & SCOPUS)
13. **Islanding Detection Parameters for Integrated Distributed Generation**, Recent Advances in Electrical & Electronics Engineering, S.Govinda Raju, K.harinaradha Reddy, Ch.Rami Reddy, 14(2), PP: 1341-143. ISSN: 2352-0973, DOI: 10.2174/213520965139992007241754113. (ESCI)

Department of Electronics and Instrumentation Engineering - 01

14. **Correction to: Conversion of geared DC motor into stepper motor using switching delay time signals**, Dadi, V., Peravali, S. and **Busi Rambabu**, SN Applied Sciences A Springer Nature Journal, 3(5), March 2021, <https://doi.org/10.1007/s42452-021-04437-3>. (ESCI & SCOPUS)

Department of Information Technology - 01

15. **An Additive Sparse Logistic Regularization Method for Cancer Classification in Microarray Data**, Vijay Suresh Gollamandalaa, **Lavanya Kampa**, The International Arab Journal of Information Technology 18(2), (March 2021), 214-220, 1683-3198 (P), [Available in Archives and Journal is available in mjl Clarivate] (SCI & SCOPUS)

Department of Mechanical Engineering - 25

16. **Parametric optimisation of Tribological Characteristics of Novel Al7010/B4C/BN Hybrid Metal Matrix Nanocomposites Using Taguchi Technique**, Gopichand Dirisenapu, Lingaraju Dumpala, Seelam Pichi Reddy, Australian Journal of Mechanical Engineering, (June 2021), 2204-2253 (Online), 1448-4846 (Print), 10.1080/14484846.2021.1938940.
17. **Dry Sliding Tribological Behavior of Al7010/B4C/BN Hybrid Metal Matrix nano composites Prepared by Ultrasonic-Assisted Stir Casting**, Gopichand Dirisenapu, Lingaraju Dumpala & Seelam Pichi Reddy, Transactions of the Indian Institute of Metals, 74:149-158, (Nov 2020), 0975-1645 (Online) 0972-2815 (Print), 10.1007/s12666-020-02128-y.
18. **Characterisation of zinc oxide nanoparticles-herbal synthesised coated with Ocimum tenuiflorum**, M. Bala Chennaiah, K. Dilip Kumar, B. Sudheer Kumar & Srinivasa Rao Tanneeru, Advances in Materials and Processing Technologies, (June 2021), 2374-0698 (Online), 2374-068X (Print), 10.1080/2374068X.2021.1934642
19. **Influence of rock dust reinforcement on mechanical properties of Al composite using friction stir processing**, Murahari kolli, Sai Naresh Dasari, Nithin Sai Potluri, A.V.S Ramprasad, Australian Journal of Mechanical Engineering, (Nov 2020), 2204-2253 (Online), 1448-4846 (Print), 10.1080/14484846.2020.1842299.
20. **Multi-objective optimization of AAJM process parameters for cutting of B4C/Gr particles reinforced Al 7075 composites using RSM-TOPSIS approach**, Murahari Kolli, A.V.S Ram Prasad, Dasari Sai Naresh, SN Applied Sciences, 3: 711, (June 2021), 2523-3971 (Online), 2523-3963 (Print), 10.1007/s42452-021-04699-x.

21. **Enhancement in combustion, performance and Emission characteristics of a Diesel engine fueled with Ce-zno Nano particle additive added to soybean biodiesel blends**, FayazHussain, Manzoore Elahi M. Soudagar, Asif Afzal , M.A. Mujtaba, I.M. Rizwanul Fattah, Bharat Naik, Mohammed Huzaifa Mulla, Irfan Anjum Badruddin, T. M. Yunus Khan, Vallapudi Dhana Raju, Rakhmaji S. Gavhane and S.M. Ashrafur Rahman, *Energies*, 13(17), 4578, (Sep 2020), 1996-1073 (Online)/ (Print), 10.3390/en13174578.
22. **Effect of Sr@ZnO nanoparticles and Ricinuscommunis biodiesel-diesel fuel blends on modified CRDI diesel engine characteristics**, Manzoore Elahi M. Soudagar, M.A. Mujtaba, Mohammad Reza Safaei, Asif Afzal ,Dhana Raju V, Waqar Ahmed, N.R. Banapurmath, Nazia Hossain, Shahid Bashir,Irfan Anjum Badruddin, Marjan Goodarzi, Kiran Shahapurkar, Syed NoemanTaqui, *Energy* 215, Part A, (Jan2021),119094, 0360-5442 (Online), 1873-6785(Print), 10.1016/j.energy.2020.119094.
23. **An experimental assessment of prospective oxygenated additives on the diverse characteristics of diesel engine powered with waste tamarind biodiesel**, V. Dhana Raju, Harish Venu, LingesanSubramani, P.S. Kishore, P.L. Prasanna, D. Vinay Kumar, *Energy*, 203,(July 2020), 117821, 0360-5442 (Online), 1873-6785(Print), 10.1016/j.energy.2020.117821.
24. **Effect of split fuel injection strategies on the diverse characteristics of CRDI diesel engine operated with tamanind biodiesel**, katuri, bala Prasad, olive Meduri, Vallapudi, Dhanaraju, Arunakumari, Azmeera, Harish venu, Lingesan Subramani, Manzoore Elahi MSoudagar, *Energy, Sources, PartA: Recovery, Utilization, and Environment Effects*, (Dec 2020), 1556-7230 (omline), 1556-7036, 10.1080/15567036.2020.1856973.
25. **Influence of Al₂O₃nano additives in ternary fuel (diesel-biodiesel-ethanol) blends operated in a single cylinder diesel engine: Performance, combustion and emission characteristics**, Harish Venu, V.Dhana Raju, S.Lingesan and ManooreElahi M Soudagar, *Energy*, 215, 119091, ,(Jan 2021), 0360-5442 (Online), 1873-6785(Print), 10.1016/j.energy.2020.119091.
26. **Effect of alcoholic and nano-particles additives on tribological properties of diesel-palm-sesame biodiesel blends**, MA Majtaba, Haeng Muk Cho, HH Masjuki, MA Kalam, M.Farroq, Manzoore Elahi M.Soudagar, M Gul, Waqar Ahmed, Asif Afzal, Shahid Bashir, V.Dhanaraju, Haseeb Yaqoob and A.Z.Syahir, *Energy Reports*, 2352-4847(Print), ,(Dec 2020), 10.1016/j.egy.2020.12.009.
27. **Experimental assessment of performance, combustion and emission characteristics of diesel fuelled with lemon peel oil**, A.Aruna Kumari, G.Sivaji, Syed Arifa, O.Sai Mahesh, T.Raja Rao, S.Venkata Kalyan, V.Dhana Raju, K.Bhargava and K.Lakshman Reddy, *International Journal of Ambient Energy*, (Dec 2020), 0143-0750 (Online), 2162-8246 (Print), [10.1080/01430750.2020.1861089](https://doi.org/10.1080/01430750.2020.1861089)
28. **Mitigation of harmful exhaust pollutants of DI diesel engine using emulsified fuel and hythane gas in a dual-fuel mode**, Radha Krishna Gopidesi , Premkartikkumar Sr & Vallapudi Dhana Raju, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, (Jan 2021), 1556-7230 (Online), 1556-7036 (Print), [10.1080/15567036.2020.1861131](https://doi.org/10.1080/15567036.2020.1861131)
29. **Impact of Injection timings and exhaust gas recirculation rates on the characteristics of diesel engine operated with neat tamarind biodiesel**, K.Bala Prasad, V.Dhana Raju, Areef AhamadShaik,RadhaKrishnaGopidesi,M.Bala Satya Sreevara Reddy, Manzoore Elahi M Soudagar,and Muhammad Abbas Mujtaba, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, (June 2021), 1556-7230 (Online), 1556-7036 (Print), [10.1080/15567036.2021.1924314](https://doi.org/10.1080/15567036.2021.1924314)

30. **Damage Assessment on Beam-Like Structures through Mode Shapes and its Curvatures**, Siva Sankara Babu Chinka, Srinivasa Rao Putti, Balakrishna Adavi, International Journal of Disaster Recovery and Business Continuity, 11(3), 2363-2375, (Nov 2020), 2207-8363 (Online), 2005-4289 (Print).
31. **Modal testing and evaluation of cracks on cantilever beam using mode shape curvatures and natural frequencies**, Siva Sankara Babu Chinka, Srinivasa Rao Putti and Bala Krishna Adavi, Structures, 32, 1386-1397, (Aug 2021), 2352-0124(Print), <https://doi.org/10.1016/j.istruc.2021.03.049>.
32. **Design Optimization and Computational Flow Analysis of Annular Type Combustion Chamber**, T J Prasanna Kumar , P GopalaKrishnaiah, Siva Sankara Babu Chinka, KanullaKarthik, Kolahalam Sai Babu, International Journal of Disaster Recovery and Business Continuity, 12 (1), 1195-1206, (Nov 2020), 2207-8363 (Online), 2005-4289 (Print).
33. **Decanol proportion effect prediction model as additive in palm biodiesel using ANN and RSM technique for diesel engine**, A.Naresh Kumar, P.S.Kishore, K.Brahma Raju, B.Ashok, R.Vignesh, A.K.Jeevanantham, K.Nanthagopal, A.Tamilvanan, Energy, 213, 1-16 (Dec2020), 0360-5442 (Online), 1873-6785(Print),
34. **Experimental analysis of higher alcohol-based ternary biodiesel blends in CI engine parameters through multivariate and desirability approaches**, A. Naresh Kumar, B. Ashok, K. Nanthagopal, H. C. Ong, M. J. Geca, John Victor, R. Vignesh, A. K. Jeevanantham, C. Kannan, P. S. Kishore, Biomass Conversion and Biorefinery, 1-16, (Nov 2020), 2190-6823, <https://link.springer.com/article/10.1007/s13399-020-01134-w>.
35. **Combined influence of compression ratio and EGR on diverse characteristics of a research diesel engine fueled with waste mango seed biodiesel blend**, AreefAhamadShaik , Seelam Rami Reddy , VallapudiDhana Raju &MuraliGovindarajan, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, (Aug 2020), 1556-7036 (Print), <https://doi.org/10.1080/15567036.2020.1811809>.
36. **Assessment of diethyl ether as a fuel additive on the diverse characteristics of diesel engine powered with waste mango seed biodiesel blend**, S. Rami Reddy , G. Murali& V. Dhana Raju, International Journal of Ambient Energy, (Oct 2020), 0143-0750 (Online), 2162-8246 (Print), <https://doi.org/10.1080/01430750.2020.1824944>.
37. **Experimental evaluation of diesel engine powered with waste mango seed biodiesel at different injection timings and EGR rates**, S. Rami Reddy, G. Murali, AreefAhamadShaik, V. Dhana Raju, M.B.S. Sreekara Reddy, Fuel, 285, 119047, 1-12, (Feb 2021),0016-2361.
38. **Design And Analysis of Seed Sowing Mechanism for Agriculture ROBOT**, A Nageswara Rao, B Chaitanya, Dr. S Pichi Reddy, N Raju, B Udaya Lakshmi, B D I Prem Kumar, International Journal of Modern Agriculture, 10 (2), 4014-4021, (June 2021),2305-7246, <https://www.modern-journals.com/index.php/ijma/article/view/1285>.
39. **Fabrication and Modal Analysis of Composite Leaf Spring**, Sankararao Vinjavarapu, K. V. Viswanadh, B. Sudheer Kumar, P.GopalaKrishnaiah, Jaya Raju Gandepudi, International Journal of Disaster Recovery and Business Continuity, 12 (1),1133-1145, (June2021), 2207-8363 (Online), 2005-4289 (Print).
40. **Design and Static Structural Analysis of Pressure Vessel Using Finite Element Technique.**, P.Mastan Rao, T J Prasanna Kumar, P GopalaKrishnaiah, K AnupamaFrancy, KolagotlaVenkateswara Reddy, International Journal of Disaster Recovery and Business Continuity, 12 (1), 1288-1299, (June 2021), 2207-8363 (Online), 2005-4289 (Print).

Freshmen Engineering Department -01

41. **The eminence of copper ions on optical, electrical properties and morphology of B2O3-Bi2O3-Al2O3-MgO glasses**, G. KrishnaPriya, S.Yusub, A. RameshBabu, N. SreeRam, K. RamaKrishna, V.Aruna, Journal of Non-Crystalline Solids, 564(1), (04th Februry, 2021), 1-10, 0022-3093.

Master of Business Administration -03

42. **Effect of Occupational Stress on Job Satisfaction And Life Satisfaction**, Rajasekhar. T, Venkateswarlu. D, K.Chinni Krishna & K.Deepika, International Journal Of Aquatic Science, Volume 13, Issue. 3.
43. **Impact of Stress On Quality Of Teaching-A Case Study With Reference To Women Faculty in Post Graduate Colleges In Visakhapatnam, Andhra Pradesh**, K. Deepika, D. Venkateswarlu & R.Jeyalakshmi, PAIDEUMA JOURNAL, e-ISSN- 0090-5674, p.p.1-5.
44. **A Study on Buying Behavior of Consumers towards Samsung Mobiles in Coastal Andhra Pradesh**, Venkateswarlu, Dr.Rajasekhar. T, M. Papa Rao, & K. Deepika, International Journal Of Aquatic Science, Volume 12, Issue 03, p.p. 132-138

Publications in Scopus Indexed Journals - 24

ASE: 00, CE: 02, CSE: 01, ECE: 04, EEE: 00, EIE:01, IT: 05, ME: 00, FED: 10, MBA: 01 Total: 24

Civil Engineering Department -02

1. **A Study On Air Quality Index In Mylavaram, Andhrapradesh**, V .Rama Krishna, B. Dharani Mounika, M. Harith, T. Saiteja and A. Sambasivarao, Indian Journal of Environmental Protection, 40(12) (Dec 2020), 1338, ISSN:0253-7141.
2. **An Experimental Study on Partial Replacement of Cement and Fine Aggregate with Industrial Waste in Concrete Paver Blocks**, J Venkateswara Rao, S Rajesh, Gopi Shankar, Materials Science and Engineering, (Dec 2020), 1, ISSN:1757-899X

Department of Computer Science Engineering-01

3. **Supervision calamity of public opinion actions based on field programmable gate array and machine learning**, A Srinivasa Rao; Brahmadesam Viswanathan Krishna; D Saravanan; D Beulah David; O Rama Devi; AnjuAsokan; D Stalin David, International Journal of Nonlinear Analysis and Applications (IJNAA), 12,2,1187-1198,2008-6822,2021-June. https://ijnaa.semnan.ac.ir/article_5195.html. (SCOPUS)

Department of Electronics and Communication Engineering-04

4. **Inter-Gateway Handoff Management using Ant Colony Optimization (ACO) for Wireless Mesh Networks**, N. Bhushana Babu, E.V. Krishna Rao, K.S.N. Murthy in *International Journal of Engineering Trends and Technology*, 68(11), (November 2020), 63-71, 2231-5381(online), 23490918 (Print), (SCOPUS)
5. **Mobile Cluster Head based Routing Protocol to Improve Lifetime of Wireless Mesh Network**, N. Bhushan Babu, E.V. Krishna Rao, KSN Murthy, *Journal of Green Engineering*,10(11), (November 2020), 11360-11370, 1904-4720, (SCOPUS)
6. **Minimum Cost, Minimum Interference and Minimum Load (M3) Gateway Deployment Algorithm for Multi-Radio Multi-Channel Wireless Mesh Networks**, N. Bhushan Babu, E.V. Krishna Rao, KSN Murthy, *International Journal of Engineering Research and Technology*, 13(12), (November 2020), 4222-4229, 0974-3154. (SCOPUS)
7. **Development of Optimized Voltage Level Shifter for Nanoscale Applications**, Srinivasulu Gundala, Kommu Siddhartha Mavovara Kumar, Kona Naga Nandini, Sravani Gantala, J. Ravi Sankar Varma, C. Navya, *ARPN Journal of Engineering and Applied Sciences*,15(14), (July 2020),1552-1556, 1819-6608, (SCOPUS)

Department of Electronics and Instrumentation Engineering - 01

8. **Framework for Tree Crown Delineation from Panchromatic Images**, Yuva Krishna Aluri, Naveen V S S Kanuri, Marlapalli Krishna, **Rambabu Busi**, S Mohanbabu Chowdary and Bandlamudi S B P Rani, EAI Endorsed Transactions on Energy Web, ew **18**: e28, April 2021, ISSN: 2032-944X, doi.org/10.4108/eai.29-4-2021.169428.

Department of Information Technology-05

9. **Breast Cancer Prediction using Classification Techniques**, **Dr. B. Srinivasa Rao**, Dr. R.Vijaya Kumar Reddy, Dr. Shaik Subhani, Dr. G. Rajesh Chandra International Journal of Emerging Trends in Engineering Research , Volume8 (9) (September & 2020) Page numbers (6074-6079), 2347 – 3983 **(SCOPUS)**
10. **Optimized threshold based EM Fusion Technique for Shrimp White Spot Disease Detection**, **Dr. B.Srinivasa Rao**, **Dr. R.Vijaya Kumar Reddy**, Dr. G.Lakshmi, Dr. G. Rajesh Chandra International Journal of Advanced Trends in Computer Science and Engineering, Volume 9(4), (August &2020), Page numbers (6577-6584), 2278-3091. **(SCOPUS)**
11. **Identifying the concept of Image and Captioning Using Deep Neural Networks**, **S Naganjaneyulu** , S.Sagar Imambi N.V. Nikhila, International Journal of Advanced Trends in Computer Science and Engineering, Volume 9(5) (October & 2020), page numbers (8330-8335), 2278-3091. **(SCOPUS)**
12. **Some Special Characteristics Of Lattice Ordered Commutative Loops**, **Rama Devi Burri**, V. B. V. N. Prasad K. Prasad, Mudda Ramesh, T. Rama Rao, Advances in Mathematics: Scientific Journal , Volume9(11), (October & 2020) , page numbers (2406-2410),ISSN: 1857-8365 **(SCOPUS)**
13. **Enhance the Educational Outcome in Higher Educational Institutes through Deep Neural Network**, Veerraju Gampala, **Anupriya Koneru**, Balajee Maram, International Journal of Advanced Trends in Computer Science and Engineering, Volume9(5), (October & 2020), page numbers (8315-8324), ISSN: 2278-3091 **(SCOPUS)**

Freshmen Engineering Department- 10

14. **Heat and Mass Transfer Effects on Semi Infinite Moving Surface Studded in a Stratified Porous Medium**, Ch.V. Ramana Murthy, **Y.P.C.S. Anil**, Solid state technology, 63(4), Oct. 2020, 2852-2862, ISSN: 0038-111X
15. **The Case Of Exponentially Decreasing Suction With Mhd Effects In Flow Through A Porous Channel**, Ch.V. Ramana Murthy, **Vijay Kumar.D**, International Journal of Advanced Research in Engineering and Technology (IJARET), 11(10), December, 2021, 171-179, **0976-6499**
16. **Contribution of Porosity and Time over a Moving Porous Vertical Surface with Uniform Heat Flux**, **K.R. Kavitha**, Dr.Ch V Ramana Murthy, Solid State Technology, 63(5), September 2020, 371-384, 0038-111X
17. **In-vitro Analysis of Phytochemical, Anti-oxidant capacity of seed Ethanolic extracts of Sapindus saponaria Vahl and Anti-bacterial activity on Common Dental Pathogens**, **Shaheda Niloufer & Lakkakula Bhagya Lashmi**, Research Journal of Pharmacy and technology, 14(1), Jan-2021, pp-105-110, 0974-360X
18. **Film Thickness within a Fixed Vertical Circular Cylinder**, Ch V Ramana Murthy, **K. Jhansi Rani**, N Swamy Kallepalli, Design Engineering, 2021, 6, June-2021, 1773-1781, 0011-9342
19. **Entropy Generation in Magnetized Bioconvective Nanofluid Flow Along a Vertical Cylinder with Gyrotactic Microorganisms**, K. Gangadhar , **K. Bhanu Lakshmi**, T. Kannan , and Ali J. Chamkha, Journal of Nano-fluids, 9(4), June-2021, 302-312, 2169-432X

20. **Isolation And Characterization Of Fungal Lipase Strain from Oil Spilled Soils, Lakkakula Bhagya Lakshmi**, Amrutha v audipudi, Annals of the Romanian Society for Cell Biology, 25(6), May-2021, 7758-7770, 1583-6258.
21. **Results on Generalized Regular and Strongly Regular Near-Rings**, Marisetti Sowjanya, Gangadhara Rao, **Radha Rani Tammileti**, Turkish Journal of Computer and Mathematics Education, 12(5), April-2021, 846-851, 1309-4653.
22. **f-Primary ideals in Semi Groups**, **Radha Rani Tammileti**, Marisetti Sowjanya, Gangadhara Rao, Turkish Journal of Computer and Mathematics Education, 12(5), April-2021, 857-861, 1309-4653.
23. **Analytical study of thermodynamic quantities with surface tension and Debye temperature variations in Quinoline & p-Xylene at T = 303.15 K to 318.15 K**, **Nori.Timmeswara Sarma**, Fakruddin BabavaliS.K, Naresh.P, SrinivasuC.H, Materials Today: Proceedings, 43(5), April-2021, 3125-3128, 2214-7853.

Master of Business Administration-01

24. **Work-Family Conflict: Gender Customised Support to Boost Faculty Satisfaction**, L. Srinivas, SCMS JOURNAL OF INDIAN MANAGEMENT, Vol. 18, Issue. 2, ISSN 0973-3167.

Publications in Scopus Conference Proceedings-26

ASE: 02, CE: 00, CSE: 11, ECE: 01, EEE: 04, EIE:01, IT: 03, ME: 02, FED: 02, MBA: 00 Total: 26

Department of Aerospace Engineering-02

1. **Experimental investigation on mechanical behavior of synthetic based bidirectional reinforced hybrid epoxy laminates**, S. Indrasena Reddy, L. Prabhu, Proceedings of International Conference on Recent Trends in Mechanical and Materials Engineering: ICRTMME 12th -13th Dec 2019, AIP Conference Proceedings, 2283(1), 020047 (1-6), <https://doi.org/10.1063/5.0025072>
2. **Design of an optimal ramjet inlet using meta-heuristic optimization scheme**, L. Prabhu, B. Eswara Kumar, S. Teja Swaroop, Proceedings of International Conference on Recent Trends in Mechanical and Materials Engineering: ICRTMME 12th -13th Dec 2019, AIP Conference Proceedings, 2283(1), 020045 (1-6), <https://doi.org/10.1063/5.0025071>

Department of Computer Science Engineering-11

3. **Dynamic Heart, Disease Prediction Using Multi- Machine Learning Techniques**, Dr.Veeraiah. D; Farzana Shaik, 5th International Conference on Computing, Communication and Security (ICCCS-2020),1-5,978-1-7281-5463-3, IEEE, Dec-2020. <https://ieeexplore.ieee.org/abstract/document/9277165> **(SCOPUS CONFERENCE PROCEEDINGS)**
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