

**Aditya College of Engineering, Surampalem**  
**Papers published/presented by Faculty in Journals/Conferences**  
**Publications:2020-21**

International Journals (SCI/WoS/Scopus)	19
International Journals (UGC Approved)	01
National Journals	-
International Conferences(Scopus/WoS)	05
International Conferences	02
National Conferences	-
Patents	02
<b>Total</b>	<b>29</b>

**International Journals (SCI/WoS/Scopus)**

1. Karri Sudheswari, Rayadu Veera Ganesh, **Ch. Manoj, Adireddy Ramesh, Manoz Kumar Reddy**, “Model-Order Reduction and Reduced Controller Design Using Routh Approximation and Factor Division Method”, pp 165-170, Soft Computing Techniques and Applications, Advances in Intelligent Systems and Computing book series (AISC, volume 1248),ISBN 978-981-15-7394-1, Springer, Singapore.

[https://link.springer.com/chapter/10.1007/978-981-15-7394-1\\_16](https://link.springer.com/chapter/10.1007/978-981-15-7394-1_16)

2. Seela naga veerababu, Konna roja, **M V kumar Reddy, K manoz kumar Reddy, Adireddy Ramesh**, “Optimization of fuzzy inference system using Genetic Algorithm”, vol 1248, pp 225-231, Soft Computing Techniques and Applications, Advances in Intelligent Systems and Computing book series (AISC, volume 1248),ISBN 978-981-15-7393-4, Springer, Singapore.

[https://link.springer.com/chapter/10.1007/978-981-15-7394-1\\_21](https://link.springer.com/chapter/10.1007/978-981-15-7394-1_21)

3. **M. Ravindra**, R. Srinivasa Rao, V.Srinivasa Rao, **A. Ramesh**, “Complete Observability Constrained Deployment of PMUs in Power System Network : Usingan Upgraded Binary Grey Wolf Optimization Algorithm Approach” Vol. 13, No. 1, (2020), pp. 1095-1105, International Journal of Future Generation Communication and Networking, ISSN 2233-7857.

<https://sersc.org/journals/index.php/IJFGCN/article/view/8105/4611>

4. **A. Ramesh , B.V.S.S.S. Gopal , M. Ravindra , K.V.S. Ramachandra Murthy,** Thirteen and Twenty-one level Hybrid H-Bridge Multilevel Inverter Topology for Grid Connected System, Vol. 13 No. 01 , pp 1794-1804, International Journal of Grid and Distributed Computing, ISSN 2005-4262

<http://sersc.org/journals/index.php/IJGDC/article/view/27892/15366>

5. **B.Jyothi** “Structure and advancement of suite capacities of quantum circuits” in Journal of Critical Reviews, ISSN NO : 2394-5125,VOLUME 7 ISSUE 9 , PP NO 3885-3889, 2020

[doi: 10.31838/jcr.07.19.449](https://doi.org/10.31838/jcr.07.19.449)

6. **A.Neeraja,** “Effects of viscous dissipation and magnetohydrodynamics on re-eyringfluid flow over a deformable porous channel” in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD),ISSN:2249-6980, Vol. 10, Issue 3, 5467–5480, Jun 2020

<http://paper.researchbib.com/view/paper/267214>

7. **A.Neeraja,** “MHD Burger’s Nanofluid Stream Due to a Permeable stretching Cylinder with Heat Source/Sink: Buongiorno Model” Solid State Technology ISSN NO 0038-111X Vol. 63 No. 6 (2020)

<http://solidstatetechnology.us/index.php/JSST/article/view/6284>

8. **A.Neeraja,** “The Influence of Magnetohydrodynamics Casson Liquid Stream Past an Exponentially Accelerated Vertical Plate through Porous Medium” in [Solid State Technology](#)” ISSN NO 0038-111X Vol. 63 No. 5 (2020)

<http://solidstatetechnology.us/index.php/JSST/article/view/8130>

9. **A.Neeraja,** “Magneto hydrodynamics Boundary Layer Flow of Powell-Eyring Liquid over an Exponentially Stretching Sheet” in [Solid State Technology](#)” ISSN NO 0038-111X Vol. 63 No. 5 (2020)

<https://solidstatetechnology.us/index.php/JSST/article/view/8390>

10. **A.Neeraja,** “ Exact Solution for the Hydrodynamic Flow of Jeffrey Fluid Through a Porous Medium Past an Infinite Vertical Plate” in Journal of Xidian University, ISSN No:1001-2400 VOLUME 14, ISSUE 5, 2020

<https://doi.org/10.37896/jxu14.5/441>

11. **L Natrayan, Anjibabu Merneedi,**”Experimental investigation on wear behaviour of bio-waste reinforced fusion fiber composite laminate under various conditions” Published in Materials Today: Proceedings ISSN 2214-7853 Volume 37, Part 2, 2021, Pages 1486-1490 Jan 2021

<https://www.sciencedirect.com/science/article/pii/S2214785320351981>

12. NSNS Pavan, K Dileep Kumar, KathiravanThangaraj, Bhanu Teja, P Ganeshan,"Performance optimization of mahua biodiesel using cetane number improver" Published in Materials Today: Proceedings ISSN 2214-7853, online available Feb 2021  
<https://www.sciencedirect.com/science/article/pii/S221478532100290X>
13. Satish Perabathula, N Bhanu Teja, P Hari Chandra Prasad, M Sarat Chandra Prasad, Shijo Thomas "Performance analysis of mineral oil based nano-lubricants with sulphur impregnated reduced graphene oxide nanosheets" Published in Materials Today: Proceedings ISSN 2214-7853, online available Feb 2021  
<https://www.sciencedirect.com/science/article/pii/S2214785320405115>
14. NB Teja, MMA Hafeez, G Surendran, M Rajeshwaran,"Investigations of performance and emission characteristics in diesel engine fueled with Hemp oil methyl ester" Published in Materials Today: Proceedings ISSN 2214-7853, online available Dec 2020  
<https://www.sciencedirect.com/science/article/pii/S2214785320387162>
15. P Babu Aurtherson, H Suresh Babu Rao, S Ganesan, N Bhanu Teja, MohanavelVinayagam, Gautam Choubey, "Production Process Optimization study on the synthesis of Manilkara zapota seed bio-oil and its characterization" Published in *Biomass Conversion and Biorefinery* ISSN2190-6823 online available pages 1-9 06 April 2021  
<https://link.springer.com/article/10.1007/s13399-021-01453-6>
16. N Bhanu Teja, Yuvarajan Devarajan, Ruby Mishra, S Sivasaravanan, D ThanikaivelMurugan," Detailed analysis on *sterculia foetida* kernel oil as renewable fuel in compression ignition engine" Published in *Biomass Conversion and Biorefinery* ISSN2190-6823 online available pages 1-9 Feb 2021  
<https://link.springer.com/article/10.1007/s13399-021-01328-w>
17. G. RAMA KRISHNA, "EPOXY BASED WIDEBAND ANTENNA BY 1\*2 GRID PATTERN AND DETECTION OF CANCER BY COMPOSITES", Materialstoday:proceedings, Dec-2020,Page No: 2214-7853  
<https://www.sciencedirect.com/science/article/pii/S2214785320383668>
18. G. Jaffino , "ADAPTIVE RAG BULL RIDER A MODIFIED SELF ADAPTIVE OPTIMIZATION ALGORITHM FOR EPILEPTIC SEIZURE DETECTION WITH DEEP STACKED AUTOENCODER USING ELECTROENCEPHALOGRAPHY", Biomedical Signal Processing & Control, Volume 64, February 2021, 102322  
<https://www.sciencedirect.com/science/article/abs/pii/S1746809420304390>
19. G. RAMA KRISHNA, "Wearable transceiver with composite test-beds for breast cancer diagnosis", January 2021,Materials Today Proceedings DOI:[10.1016/j.matpr.2020.12.206](https://doi.org/10.1016/j.matpr.2020.12.206)  
<https://www.researchgate.net/publication/348709095>

## International Journals (UGC Approved)

1. **O.S.S.Chandana,**” Assay Method Development and Validation for Azilsartan using High Performance Liquid Chromatography” in International Journal for Innovative Research in Multidisciplinary Field ISSN NO 2455-0620, VOL 6 ISSUE 9 SEPT 2020.

DOIs:10.2015/IJIRMF.2455.0620/202009046

## International Conferences (Scopus/WoS)

1. Karri Sudheswari, Rayadu Veera Ganesh, **Ch. Manoj, Adireddy Ramesh, Manoz Kumar Reddy**, “Model-Order Reduction and Reduced Controller Design Using Routh Approximation and Factor Division Method”, pp 165-170, Soft Computing Techniques and Applications, Advances in Intelligent Systems and Computing book series (AISC, volume 1248), ISBN 978-981-15-7394-1 Springer, Singapore.  
[https://link.springer.com/chapter/10.1007/978-981-15-7394-1\\_16](https://link.springer.com/chapter/10.1007/978-981-15-7394-1_16)
2. Seela naga veerababu, Konna roja, **M V kumar Reddy, K manoz kumar Reddy, Adireddy Ramesh**, “Optimization of fuzzy inference system using Genetic Algorithm”, vol 1248, pp 225-231, Soft Computing Techniques and Applications, Advances in Intelligent Systems and Computing book series (AISC, volume 1248), ISBN 978-981-15-7393-4 Springer, Singapore.  
[https://link.springer.com/chapter/10.1007/978-981-15-7394-1\\_21](https://link.springer.com/chapter/10.1007/978-981-15-7394-1_21)
3. Srinivasa Rao Veeranki, Srinivasa Rao Rayapudi, and **Ravindra Manam**, “ A Sensitivity Based Approach for Optimal Allocation of OUPFC Under Single Line Contingencies”, Microelectronics, Electromagnetics and Telecommunications, Lecture Notes in Electrical Engineering 655,pp 93-103, ISBN978-981-15-3828-5  
[https://doi.org/10.1007/978-981-15-3828-5\\_11](https://doi.org/10.1007/978-981-15-3828-5_11)
4. **M. Ravindra**, R. Srinivasa Rao, V. Srinivasa Rao, N. Praneeth and Vasimalla Ashok, “Necessity of Power System State Estimation: A Generalized Linear State Estimation Solution with Application of PMU Measurements”, , Innovations in Electrical and Electronics Engineering, Lecture Notes in Electrical Engineering 626, 449-461, ISBN978-981-15-2256-7  
[https://doi.org/10.1007/978-981-15-2256-7\\_43](https://doi.org/10.1007/978-981-15-2256-7_43)
5. Rajesh Babu Nemani., “A Review on FPGA Based Traffic Sign Detection” 6th International Conference for Convergence in Technology (I2CT-2021) ,DOI: 2nd to 4th April 2021

## **International Conferences**

1. N. SRAVANI, “Successive Approximation Compressor for Efficient FIR Filters in C-MOS VLSI Design: Review” 6th International Conference for Convergence in Technology (I2CT-2021) ,DOI: 2nd to 4th April 2021
2. K. Siva Nagendhra “Implementation of a MIMO space-time coded wireless communication system) , INCET2021DOI: 2021

## **Patents**

1. Kalesh Busa, “a triple layer biodegradable transparent multi-functionalmask”, ( Patent published on 03/07/2020, Application number 202021023894).
2. Kalesh Busa, “virus detection 5-g mobile app: an app which enables a mobile phone to detect the virus (covid19)”, ( Patent published on 24/07/2020, Application number 202021024064).