

# ADITYA ENGINEERING COLLEGE (A)

## Papers published by Faculty in Journals/Conferences

### Publications: 2020-21

International Journals (With Impact Factor)	19
International Journals (Scopus)	26
Scopus Indexed International Conferences	67
International Conferences	15
Web of Science Journals	31
International Journals (UGC)	08
Total	167

### International Journal: (With Impact Factor)

1. Elumalai, “Experimental investigation of strategies to enhance the homogeneous charge compression ignition engine characteristics powered by waste plastic oil”  
Energy Conversion and Management, Vol. 236, May, 2021

[IF 11.53, H-index. 192, SJR 2.74]

<https://www.sciencedirect.com/science/article/abs/pii/S0196890421002028>

2. B.S.S.Ganesh Parthu, “ Radial movement optimization based parameter extraction of double diode model of solar photovoltaic cell”, Solar Energy, Dec 20

[IF 7.18, SJR 1.54, H- Index 167]

<https://www.sciencedirect.com/science/article/abs/pii/S0038092X20312056>

3. N R Dhinesh Babu, “ Synthesis of dysprosium/Mn-Cu ferrite binary nanocomposite: Analysis of structural, morphological, dielectric, and opto-magnetic properties”, Ceramics International, Vol 46, No. 9, June 2020

[IF 5.53, SJR 0.89, H- Index 100]

<https://www.sciencedirect.com/science/article/pii/S027288422030482X>

4. A. Saravanan, “Thermo-hydraulic performance of a solar air heater with staggered C-shape finned absorber plate”, International Journal of Thermal Sciences, Vol. 168, May - 2021

[IF 4.77, H-index. 119, SJR 1.21]

<https://www.sciencedirect.com/science/article/abs/pii/S1290072921002325>

5. P. V. Elumalai, "Effects of antioxidants to reduce the harmful pollutants from diesel engine using preheated palm oil-diesel blend", Journal of Thermal Analysis and calorimetry, Feb 2021

[IF 4.75, SJR 0.42, H- Index 87]

<https://link.springer.com/article/10.1007/s10973-021-10652-2#:~:text=The%2010%25%20of%20blend%20with,the%20combustion%20process%20%5B6%5D.>

6. P. V. Elumalai, "Investigation on the mitigation of environmental harmful emissions by incorporating nanoparticles to biofuel water nano emulsion in low heat rejection engine", Journal of Thermal Analysis and calorimetry, Feb 2021

[IF 4.75, SJR 0.42, H- Index 87]

<https://link.springer.com/article/10.1007/s00231-021-03028-7>

7. Santhosh Kumar Dash, "An experimental investigation on the combustion characteristics of a direct injection diesel engine fuelled with an algal biodiesel and its diesel blends", Clean Technologies and Environmental Policy, Feb 2021

[IF 4.70, SJR 0.65, H- Index 49]

<https://www.x-mol.com/paper/1370108323733209088>

8. Abhishek Kumar Tripathi, " Laboratory Investigation on the Impact of Coal Dust Deposition on PV Panel Performance", IOP Conference Series, Material Science Engineering, Dec 2020

[IF 4.65, SJR 0.2, H- Index 31]

<https://iopscience.iop.org/article/10.1088/1757-899X/993/1/012088/pdf>

9. A. Saravanan, "Performance Evaluation of Square Pyramid Solar Still with Various Vertical Wick Materials - An Experimental Approach", Thermal Science and Engineering Progress Vol. 19, Pp. 100581, October, 2020

[IF 4.56, SJR 1.04, H- Index 19]

<https://www.sciencedirect.com/science/article/abs/pii/S2451904920300998>

10. N.R. Dhinesh babu, " A study of linear optical properties of ternary blends PVA/CMC/ alone vera biofilm for UV shielding", Applied Nano science, Nov 2020

[IF 3.86, SJR 0.57, H- Index 42]

<https://link.springer.com/article/10.1007/s13204-020-01629-y>

11. K. Bapayya Naidu, "An Integrated Converter Topology for Torque Ripple Minimization In BLDC Motor using an ITSA Technique", Journal of Ambient Intelligence and Humanized Computing, March, 2021.

[IF 3.66, SJR 0.589, H-Index 41]

<https://link.springer.com/article/10.1007/s12652-021-02986-4>

12. Elumalai, "Effect of Cerium Oxide Nanoparticles to Improve the Combustion Characteristics of Palm Oil Nano Water Emulsion using Low Heat Rejection Engine", International Journal of Green Energy, April, 2021.

[IF 3.20, H-index. 40, SJR 0.53]

<https://www.tandfonline.com/doi/full/10.1080/15435075.2021.1904947>

13. N R Dhinesh Babu, Naturally Derived FeTiO<sub>3</sub> Nanoparticles : Analysis of Optical Properties", Journal of Materials Science: Materials in Electronics, August, 2020

[IF 2.77, SJR 0.48, H- Index 67]

<https://link.springer.com/article/10.1007/s10854-020-04251-4>

14. K. Bapayya Naidu, "Efficient Energy Management of Hybrid Renewable Energy Sources based Smart Grid System using a Hybrid IDEACFA Technique", International Transactions on Electrical Energy Systems, Vol. 31, Issue 5, May 2021.

[IF 2.63, H-index. 42 SJR 0.428]

<https://onlinelibrary.wiley.com/doi/abs/10.1002/2050-7038.12833>

15. N R Dhinesh Babu, " Linear and Nonlinear Optical Properties of CuO NPs for Photonics ", Journal of Electronic Materials, Nov, 2020

[IF 2.04, H-index. 99, SJR 0.42]

<https://link.springer.com/article/10.1007/s11664-021-08901-z>

16. P. S. Ranjit, "Experimental investigation of diesel engine with Neem seed oil and compressed natural gas ", International Journal of Ambient Energy, May, 2021

[IF 1.7, H-index. 27, SJR 0.45]

<https://www.tandfonline.com/doi/full/10.1080/01430750.2021.1923568>

17. G. Sridevi, "Modeling a Virtual Bare-Hand Interface System Using a Robust Hand Detection Approach for HCI", International Journal of Pattern Recognition and artificial Intelligence, Vol 35, No. 5, Dec 2020

[IF 1.375, SJR 0.34, H- Index 52]

<https://www.worldscientific.com/doi/abs/10.1142/S0218001421500154?journalCode=ijprai>

18. N R Dhinesh Babu, " Study of the magnetic properties of Mn-doped iron titanate nanoparticles fabricated using natural mineral", Micro & Nano Letters, Oct 2020

[IF 0.98, SJR 0.25, H- Index 29]

<https://ietresearch.onlinelibrary.wiley.com/doi/pdf/10.1049/mna2.12039>

19. Debashish Mohapatra, SurabhiSaxena, BhaskarPatnaik, Subhransu Padhee, "Projectbased learning: Design of data acquisition module for greenhouse system", International Journal of Electrical Engineering Education, June, 2020.

[IF 0.938, SJR 0.28, H-Index 21]

<https://journals.sagepub.com/doi/abs/10.1177/0020720920928538>

### **International Journal: (Scopus Indexed)**

1. Abhishek Kumar Tripathi, "Study of Dependence of Blast Induced Ground Vibration on Charge per Hole and Rock Strength", International Journal of Advanced Science and Technology, (IJAST), Vol.29 No. 11, June, 2020

[SJR 0.11, H- Index 3]

<http://sersec.org/journals/index.php/IJAST/article/view/17289/8717>

2. N Akhila, "A Novel Approach to Provide More Security for Multi Click Recognition based Textual Graphical Scheme", Xidian University Journal, Vol. 14, No.6, June, 2020

[SJR 0.18, H- Index 16]

3. S Ramasree, "Artificial Intelligence Aided Diagnosis of Chronic Kidney Disease", Journal of Critical Reviews Vol. 7(12), June, 2020

[H- Index 5]

<http://www.jcreview.com/?mno=116718>

4. Sandra Carmel Sophia, “From Epidemic to Pandemic – COVID 19 - Psychological, Social and Environmental Impact – A Qualitative Study”, International Journal of Advanced Science and Technology, (IJAST) Vol. 29, No. 7, June, 2020

[SJR 0.11, H- Index 3]

<http://sersc.org/journals/index.php/IJAST/article/view/23535/12194>

5. Abhishek Kumar Tripathi, Analysis of Fingerprint Pattern Distribution Framework of Telugu Population in India, Journal of Critical Reviews, Vol. 7, No. 17, August, 2020, Pp. 1851-1860.

[H- Index 5]

<http://www.jcreview.com/fulltext/197-1594227480.pdf?1611722383>

6. M. RajaBabu, “Age Invariant face Recognition Techniques: A Critical Review Study”, Journal of Critical Reviews, Vol 7, No. 19, August 2020

[H- Index 5]

<https://www.bibliomed.org/?mno=133766>

7. Mr. B Rambabu, “Suggestive Methods in Developing Communication Skills in English Among the Students from Rural Areas”, Journal of Critical Reviews, Vol. 7, No. 17, August, 2020, Pp. 1851-1860.

[H- Index 5]

<https://www.bibliomed.org/?mno=126185>

8. Sandra Carmel Sophia, J. M. Kanthi Thilaka, “Female Identity in Anees Jung’s Seven Sisters”, Solid State Technology, October, 2020.

[SJR 01, H- Index 25]

<http://solidstatetechnology.us/index.php/JSST/article/view/1380>

9. A. Vanathi, “Load Balancing in RPL to Avoid Hotspot Problem for Improving Data Aggregation in IOT ”, International Journal of Intelligent Engineering & Systems, Vol 14, No. 1, Dec 20

[SJR 0.2, H- Index 11]

<http://www.inass.org/2021/2021022849.pdf>

10. M. Sandra Carmel Sophia, "Pragmatic Learning Activities in English Language in the COVID-19 Period A study of Paradigmatic Shift", Palarch's Journal of Archaeology of Egypt/ Egyptology, Vol 17, No. 6, Dec 20  
[SJR 0.11, H- Index 1]  
<https://archives.palarch.nl/index.php/jae/article/view/2384>
11. M. Sandra Carmel Sophia, " Repercussions of Psychological Factors in Language Learning", Palarch's Journal of Archaeology of Egypt/ Egyptology, Vol 17, No. 6, Dec 20  
[SJR 0.11, H- Index 1]  
<https://archives.palarch.nl/index.php/jae/article/view/2387>
12. M. Sandra Carmel Sophia, " Motherhood' in His Illegal Self by Peter Carey", European Journal of Molecular & Clinical Medicine, Vol 7, No. 11, Dec 20  
[SJR 0.15, H- Index 1]  
[https://ejmcm.com/pdf\\_4715\\_3cf2e558901848d70f586cc795492d2f.html](https://ejmcm.com/pdf_4715_3cf2e558901848d70f586cc795492d2f.html)
13. Abhishek Kumar Tripathi, " Study on Cross Linguistic Feature within Dravidian and English script to Establish the Source of Questioned Document", Palarch's Journal of Archaeology of Egypt/ Egyptology, Vol 7, No. 9, Dec 20  
[SJR 0.11, H- Index 1]  
<https://archives.palarch.nl/index.php/jae/article/view/4556>
14. Sandip Kunar, "Influence of Various Pulse Waveforms during Fabrication of Micro Rectangular Pattern by Masked Tool using Electrochemical Micromachining", Journal of Advanced Manufacturing Systems, Vol 19, No. 4, Jan 21  
[SJR 0.17, H- Index 14]  
<https://www.worldscientific.com/doi/10.1142/S0219686721500025>
15. R. Sudhakar Reddy, " Influence of Stemming Material on Performance of Blasting", Palarch's Journal of Archaeology of Egypt/ Egyptology, Vol 17, No. 7, Dec 20  
[SJR 0.11, H- Index 1]  
<https://archives.palarch.nl/index.php/jae/article/view/3968/3917>

16. N.V.Gowtham Deekshitulu, “Development of Different irrigation Systems Calculator using VB6 ”, International journal of Ecology, Vol 47, No. 4, Dec 20  
[SJR 0.19, H- Index 18]  
<https://www.indianjournals.com/ijor.aspx?target=ijor:ije1&volume=47&issue=4&article=003>
17. Sanjeev Kumar, Durgesh Nandan, and Ravi Kumar, “Circular Slotted Antenna with CPW feed for GSM and UWB Applications”, International Journal of Sensors Wireless Communications and Control, Vol. 11, No. 9, 2021.  
[SJR 0.16, H-Index 5]  
<https://www.eurekaselect.com/node/178548/article/circular-slotted-antenna-with-cpw-feed-for-gsm-and-uwb-applications>
18. N. V. Gowtham Deekshitulu, “ Yield Response of Okra to different Row Spacings and Fertilizer Application Methods Under Drip Irrigation System”, Ecology Environment and Conservation , May 2021  
[SJR 0.14, H- Index 12]  
[http://www.envirobiotechjournals.com/article\\_abstract.php?aid=11368&iid=329&jid=3](http://www.envirobiotechjournals.com/article_abstract.php?aid=11368&iid=329&jid=3)
19. K. Bapayya Naidu, “An Efficient Integration and Control Approach to Increase the Conversion Efficiency of High Current Low Voltage DC-DC Converter”, Energy Systems, Vol 12, Issue 2, May 2021.  
[H-index. 27 SJR 0.452]  
<https://link.springer.com/article/10.1007/s12667-021-00452-w>
20. Vanathi, A., “Improving data aggregation efficiency using multi-layer approach in IOT”, Indian Journal of Computer Science and Engineering, 12 (2), 2021, pp. 315-325.
21. Y. Naga Lakshmi, “Effect of different mulching materials on yield and growth parameters of tomato crop”, Current Journal of Applied Science and Technology, Vol.40, No.12, June 2021.  
[NASS.4.71]
22. Y. Naga Lakshmi, “Rehydration Characteristics of Mushrooms using Different Drying Techniques”, Current Journal of Applied Science and Technology, Vol.40, No.14, July 2021.  
[NASS.4.71]

23. K.V.S.R. Murthy, "Optimal Capacitor Placement – A Bibliometric Survey", Library Philosophy and Practice, July 2021,  
[SJR 0.23, H- Index 20]
24. K.V.S.R. Murthy, "Load flow solution of distribution systems - A Bibliometric survey", Library Philosophy and Practice, Aug 2021  
[SJR 0.23, H- Index 20]
25. K.V.S.R. Murthy, "Optimal Distributed Generator Placement-Bibliometric Survey", Library Philosophy and Practice, Sep 2021  
[SJR 0.23, H- Index 20]
26. Abhishek Kumar Tripathi, "Analysis on Photovoltaic Panel Temperature under the Influence of Solar Radiation and Ambient Temperature", IEEE Xplore Digital Library, July 2021.  
[SJR 2.38, H- Index 287]



## Scopus Indexed Conferences / (Journal Conferences), 2020-21

1. SatyaHemanth, P. SaiDurga Prasad, V. Jagruthi, PSD Bhimaraju, T Abhilash, "Performance Analysis of VSI-fed Single-Phase Induction Motor Drive Using Variable and Multi Pulse Width Modulation Techniques", IEEE INDISCON 2020, GVP College of Engineering, Visakhapatnam, 25-26, July, 2020.

<https://ieeexplore.ieee.org/document/9344568>

2. Yamini Devi Y, "Design and analysis of High speed wallace tree multiplier using parallel prefix adders for VLSI circuit designs", 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT), 1- 3, July, 2020, IIT khargahpur.

<https://ieeexplore.ieee.org/document/9225404>

3. Tilak Babu, "Statistical Features based Optimized Technique for Copy Move Forgery Detection", 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT), 1- 3, July, 2020, IIT khargahpur.

<https://ieeexplore.ieee.org/document/9225426>

4. V Suryanarayana, "Resource Recovery from Fecal Sludge of Aditya Educational Institutions, Surampalem, India", 25<sup>th</sup> Edition of European BioTechnology Online Conference, July, 2020.

<https://www.longdom.org/abstract/resource-recovery-from-faecal-sludge-of-aditya-educational-institutions-surampalem-andhra-pradesh-india-56720.html>

5. K Bapayyanaidu, "An Efficient Energy Management of Hybrid Renewable Energy Sources based Smart-Grid System Using an IEPC Technique", 2nd International Conference on Sustainable Communication Networks and Application, 6-7, August, 2020, ICSCN 2020 Surya Engineering College, Erode, Published in Sustainable Communication Networks and Application.

<https://www.springerprofessional.de/en/an-efficient-energy-management-of-hybrid-renewable-energy-source/18799500>

6. Krishna Saladi, "Adiabatic Logic Based Area and Energy Efficient Full Adder Design", Intelligent Computing in Control and Communication (ICCC 2020), August 7-8, AITAM, Tekkali, Published in Lecture Notes in Electrical Engineering, Springer.

[https://link.springer.com/chapter/10.1007/978-981-15-8439-8\\_10](https://link.springer.com/chapter/10.1007/978-981-15-8439-8_10)

7. Ch V S N Reddi, "Enhancing noise control in an acoustic cavity using mistuned embedded Resonators and Quarter wave tubes", INTER-NOISE 2020, August 23-26, South Korea. Published in INCE Conference Proceedings.

<https://www.ingentaconnect.com/contentone/ince/incecp/2020/00000261/00000005/art00061>

8. Ch V S N Reddi, "Construction of Small Twin Reverberation Chamber for Measurement of Sound Absorption Coefficient and Transmission Loss Coefficient", INTER-NOISE 2020, August 23-26, South Korea, Published in INCE Conference Proceedings.

<https://www.ingentaconnect.com/contentone/ince/incecp/2020/00000261/00000005/art00062>

9. Ch V S N Reddi, "Comparative Study on Sound Absorption Coefficient of Various Jute Composite Materials", INTER-NOISE 2020, August 23-26, South Korea, Published in INCE Conference Proceedings.

<https://www.ingentaconnect.com/contentone/ince/incecp/2020/00000261/00000006/art00055>

10. Ch V S N Reddi, "Experimental investigation on performance of composite acoustic cement panel using recycled SMB waste", INTER-NOISE 2020, August 23-26, South Korea, Published in INCE Conference Proceedings.

<https://www.ingentaconnect.com/contentone/ince/incecp/2020/00000261/00000006/art00009>

11. Yamini Devi Y, "Comparative Analysis of Rapid Single Flux Quantum (RSFQ) Circuit Technique Multipliers", Intelligent Computing in Control and Communication (ICCC 2020), August 7-8, AITAM, Tekkali, Published in Lecture Notes in Electrical Engineering, Springer.

[https://link.springer.com/chapter/10.1007/978-981-15-8439-8\\_11](https://link.springer.com/chapter/10.1007/978-981-15-8439-8_11)

12. P Krishna Veni, "A Robust Feature Based Approach for Bare-Hand Detection under Practical Non-Ideal Conditions", 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT), 1- 3, July, 2020, IIT khargahpur.

<https://ieeexplore.ieee.org/abstract/document/9225829/authors#authors>

13. V.Suryanarayana, "Solid waste management through generation of green energy and organic fertilizer", International conference series and the editors of Journal of Biotechnology & Biomaterials, Biology and Medicine: open access and journal of Bioremediation & Biodegradation wish to thank, at the "23<sup>rd</sup> European Biotechnology Congress" held during 21-22, October, 2019 in Zurich, Switzerland.

<https://www.omicsonline.org/proceedings/solid-waste-management-through-generation-of-green-energy-and-organic-fertilizer-109147.html>

14. M.V.V. Radha Krishna, M.Venkata Govindh, P. Krishna Veni, Durgesh Nanda, “A Review on Image Processing Sensor, Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO)-2020, In Collaboration with Jaypee University, Guna, MP at Panjim, Goa, India, October 24-25, 2020, Indexed Journal of Physics: conference series by IOP Publishing. (In the Press)

<https://iopscience.iop.org/article/10.1088/1742-6596/1714/1/012055>

15. I. Pavankalyan, G. Jaya Santosh, K.H.K. Prasad, Durgesh Nandan, “Study of Echo Cancellation approach by using Least Mean Square (LMS) Algorithm”, Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO)-2020, In Collaboration with Jaypee University, Guna, MP at Panjim, Goa, India, October 24-25, 2020, Indexed Journal of Physics: conference series by IOP Publishing

<https://iopscience.iop.org/article/10.1088/1742-6596/1714/1/012053/meta>

16. VuraSaiDurgaEswar, K. Devi Bhawani, DurgeshNandan, “Study on energy reduction techniques in STT-RAM”, Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO)-2020, In Collaboration with Jaypee University, Guna, MP at Panjim, Goa, India, October 24-25, 2020, Indexed Journal of Physics: conference series by IOP Publishing (In the Press)

<https://iopscience.iop.org/article/10.1088/1742-6596/1714/1/012041>

17. Chavatapalli TarunVamsi Krishna, P. Chandana Mani Deepika, B. S. Saranya, Murrey Neeladri, DurgeshNandan, “Cognitive OFDM-NOMA Systems: A Succinct Study ”, Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO)-2020, In Collaboration with Jaypee University, Guna, MP at Panjim, Goa, India, October 24-25, 2020, Indexed Journal of Physics: conference series by IOP Publishing.

<https://iopscience.iop.org/article/10.1088/1742-6596/1714/1/012054>

18. J. BhaskaraVeeraveni, Devi Bhawani, DurgeshNandan, “Power Efficient Bit Lines: A Succinct Study”, Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO)-2020, In Collaboration with Jaypee University, Guna, MP at Panjim, Goa, India, October 24-25, 2020, Indexed Journal of Physics: conference series by IOP Publishing (In the Press)

19. P. DivyaSree, B. Jyothsna Raj, B. Srinivas, DurgeshNandan, “Study on Power Minimization techniques in SAR ADC Devices by using Comparators Circuits”, Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO)-2020, In Collaboration with Jaypee University, Guna, MP at Panjim, Goa, India, October 24-25, 2020, Indexed Journal of Physics: conference series by IOP Publishing.

<https://iopscience.iop.org/article/10.1088/1742-6596/1714/1/012043>

20. Jeerreddi Pavan, Mellam Vamsiram, Koduri Vijayasai, R S Sudhakar, T Abhilash, "A 9-level Voltage Source Inverter Using T-type Converter and Two-Level Cells", 7th IEEE Conference UP Section, on Electrical Electronics and Computer Science, 27th – 29th November, 2020, UPCON 2020, Motilal Nehru National Institute of Technology Allahabad, Allahabad. (In the Press)
21. Akash Moulick, K S S V Subhash, T Suresh Varma, Ch Govinda, T Abhilash, "Performance Analysis of Single-Phase VSI Using Fixed Pulse Width Modulation", 7th IEEE Conference UP Section, on Electrical Electronics and Computer Science, 27th – 29th November, 2020, UPCON 2020, Motilal Nehru National Institute of Technology Allahabad. (In the Press)
22. Sowmyareddy, D. Saisudheer, J. Satishkumar, Ch B Ayyapparaju, T Abhilash, "A Single-Phase Inverter Topology with Seven-Level Output based on T-type Structure", 6<sup>th</sup> International Conference for Convergence in Technology (I2CT-2021), 2<sup>nd</sup> to 4<sup>th</sup> April 2021, Sponsored by IEEE, Bombay Section, Pune. (Accepted for presentation)
23. D. Bhuvaneshwar, D. Uday Kumar, D. Jasveer Bhuvanesh Sai Shanmukhasuhas, N Rajesh, T Abhilash, "A reduced switch count multilevel inverter with Asymmetrical DC sources", 6<sup>th</sup> International Conference for Convergence in Technology (I2CT-2021), 2<sup>nd</sup> to 4<sup>th</sup> April 2021, Sponsored by IEEE, Bombay Section, Pune. (Accepted for presentation)
24. S.N.V. Gowtham, V.Y. Padmasai, C.V. Ganesh, B.S.S. Ganesh Pardhu, T Abhilash, "A Three-Phase Seven-level VSI with Active Clamping using H-bridges", 6<sup>th</sup> International Conference for Convergence in Technology (I2CT-2021), 2<sup>nd</sup> to 4<sup>th</sup> April 2021, Sponsored by IEEE, Bombay Section, Pune. (Accepted for presentation)
25. K Durgendra Kumar, R Venkatesh, T. Himaja, T Abhilash, "A Single-Phase Seven-Level Reduced Switch Count MLI Topology", 6<sup>th</sup> International Conference for Convergence in Technology (I2CT-2021), 2<sup>nd</sup> to 4<sup>th</sup> April 2021, Sponsored by IEEE, Bombay Section, Pune. (Accepted for presentation)
26. R Venkatesh, K Durgendra Kumar, T Himaja, "Design and analysis of AC-DC power factor correction converter", 6<sup>th</sup> International Conference for Convergence in Technology (I2CT-2021), 2<sup>nd</sup> to 4<sup>th</sup> April 2021, Sponsored by IEEE, Bombay Section, Pune. (Accepted for presentation)
27. T. Himaja, R. Venkatesh, K. Durgendra Kumar, "A Novel Multilevel Converter System for high power Applications", 6<sup>th</sup> International Conference for Convergence in Technology (I2CT-2021), 2<sup>nd</sup> to 4<sup>th</sup> April 2021, Sponsored by IEEE, Bombay Section, Pune. (Accepted for presentation)
28. V.V. Kamesh, "A numerical approach to find distinct mechanisms of a planar kinematic chain using linkage coordinates" 1<sup>st</sup> International Conference on Energy, Materials Sciences & Mechanical Engineering 2020, Oct 31-Nov 1, 2020, NIT, Delhi.

29. V.V. Kamesh, "Inversions of a kinematic chain by Link Adjacency Product", 1<sup>st</sup> International Conference on Energy, Materials Sciences & Mechanical Engineering 2020, Oct 31-Nov 1, 2020, NIT, Delhi.
30. V.V. Kamesh, "A rigidity approach to find distinct mechanisms of a planar kinematic chain", 1<sup>st</sup> International Conference on Energy, Materials Sciences & Mechanical Engineering 2020, Oct 31-Nov 1, 2020, NIT, Delhi.  
<https://www.sciencedirect.com/science/article/pii/S2214785320393597>
31. P. S. Ranjit, " Experimental Investigation on Schleicher Oleosa (SO) based biodiesel operated Indirect injection (IDI) diesel engine for performance Enhancement and Reduction in Emissions", International Conference On Research and Advances in Mechanical Engineering, 10 & 11, Dec 2020, VIT, Telangana.  
  
<https://iopscience.iop.org/article/10.1088/1757-899X/1057/1/012036>
32. P.S. Ranjit, "Experimental Investigation on Influence of Injection Pressure on Gaseous Hydrogen Supplemented SVO operated IDI CI Engine", 1<sup>st</sup> International Conference on Energy, Materials Sciences & Mechanical Engineering 2020, Oct 31-Nov 1, 2020, NIT, Delhi.  
  
<https://www.sciencedirect.com/science/article/pii/S2214785320393354>
33. Santhosh Kumar Dash, "Biodiesel Prepared From Used Palm oil Collected From Hostel Mess is a Promising Supplement for diesel fuel", 1<sup>st</sup> International Conference on Energy, Materials Sciences & Mechanical Engineering 2020, Oct 31-Nov 1, 2020, NIT, Delhi.
34. G.Sridevi, "Transform Domain Analysis of Multimodal Medical Image Fusion", IOP Conference Series, Materials Science and Engineering, Vol.1074, 2020
35. A.Phani Sridhar, "Intruder Alert System for Aqua Culture with IoT Gateway", Grenze International Journal of Engineering and technology, Vol.6, No.2, Aug 2020
36. P.S.Ranjit, "An optimized Energy Cost Analysis using Fuzzy Logic Control Algorithm for the autonomous Microgrid", IOP Conference Series, Materials Science and Engineering, International Conference on Recent Advancements in Mechanical Engineering, Vignan Institute of technology and Science, Hyderabad, 10-11<sup>th</sup> Dec 2020  
  
<https://iopscience.iop.org/article/10.1088/1757-899X/1057/1/012091>
37. P.S.Ranjit, "Experimental Investigation on Schleicher Oleosa (SO) based biodiesel operated Indirect Injection (IDI) diesel engine for performance Enhancement and reduction in emissions", International Conference on Recent Advancements in Mechanical Engineering, Vignan Institute of technology and Science, Hyderabad, 10-11<sup>th</sup> Dec 2020  
  
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### **International Conferences:**

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2. Rayudu Srinivas, "Finding MST by Considering Increasing Cost Order of the Edges Incident on Vertices", 4<sup>th</sup> International Conference on Intelligent Computing and Communications (Springer Conf), Sept, 2020, Dayananda Sagar University, Bangalore.
3. Rayudu Srinivas, "A Novel Approach to Find Minimum Cost Spanning Tree of a Graph", 4<sup>th</sup> International Conference on Intelligent Computing and Communications (Springer Conf), Sept, 2020, Dayananda Sagar University, Bangalore.
4. P Nanna Babu, "Privacy by Design Approach for Vehicular Trip Data Using K-Anonymity Perturbation", 4<sup>th</sup> International Conference on Data Engineering and Communication Technology, Sept, 2020, KITS Warangal.
5. A Phani Sreedhar, "IOT Enabling Technology Towards Aqua Culture 4.0 – Trends and Challenges", Proceedings of Online international Conference on Recent Trends in Computer Science and Information Technology, June, 2020, St. Martins Engineering College, Secunderabad.
6. M. Sandra Carmel Sophia, "Enrichment of Vocabulary Through Literature", Two day international Conference on Literature, Language, Community & Culture Interdisciplinary Perspectives, Organized by Sharanabasaveshwar College of Science, Kalaburagi, Karnataka, 29<sup>th</sup> - 30<sup>th</sup> July, 2019

7. P. S. D. Bhimaraju, "Effect of Penetration of Wind DGs on Transient Stability of Captive Power Generation Units" Two day international Conference on "Intelligent Computing and Smart Communication Technologies", Organized by Anurag Group of Institutions, Telangana, 26<sup>th</sup>- 27<sup>th</sup> July, 2019.
8. Santhosh Kumar Dash, Use of Nahar biodiesel-diesel blend in a agricultural diesel engine, International Conference On Research and Advances in Mechanical Engineering, 10 & 11, Dec 2020, VIT, Telangana.
9. A. Vanathi, "A Comparative study on Mitigation of Hotspot problem in Wireless Sensor Networks" , Sixth International Conference on Computing Paradigms, 18 & 19<sup>th</sup> Dec 2020, Tirupattur District, Chennai.
10. G. Sridevi, " Transform Domain Analysis of Multimodal Medical Image Fusion" , International Conference on Computer Vision, High Performance Computing , Smart Devices and Networks, 28 & 29 Dec 2020, JNTUK, Kakinada.
11. N.R.N.V. Gowripathi Rao, "Improved Design and Development of Crop Conveying Mechanism in Reaper Machine", International Conference on Industrial Problems on Machines & Mecahanisms, 21 & 22 Dec 2020, BITS Pilani, Hyderabad.
12. A. Phani Sridhar, " Wearable Devices in Healthcare 4.0 : Effects, Trends and Challenges " , International Conference on IOT based Control Networks and Intelligent Systems, 10 & 11 Dec 2020, Kottayam, Kerala.
13. P. Satish, " Unsteady MHD flow of a Periodically Accelerated Plate with hall Currents in a Rotating Systems " , 65<sup>th</sup> Congress of the Indian Society for Theoretical and Applied Mecahnics, 9 to 11 Dec 2020, GITAM University, Hyderabad.
14. T. Sudharani, " Structure Prediction and Examination of spike protein from SARS-COV2 using computation and simulation tools", AICTE Sponsored National E-Conference on Advances in Computer Vision, Artificial Intelligence and Computer Applications, 28 Nov 2020, Pragathi Engineering College
15. M. Kalyan Ram, "A fact-Based Liver Disease Prediction by Enforcing Machine Learning Algorithms", 4<sup>th</sup> International Conference on Computational Vision and Bio Inspired Computing, 19 to 20 Nov 20, RVS Technical Campus, Coimbatore.

## **International Journals (UGC Approved)**

1. A Phani Sreedhar, “Intruder Alert System for Aqua Culture with IOT Gateway”, Greenze International Journal of Engineering and Technology, July 2020.
2. K. Devi Priya, “Trusted Hybrided Multifactor Authentication for Cloud Users”, I-Managers Journal of cloud computing, Vol 7, No. 1, June 20
3. V.Suryanarayana, “Therapeutic Targeting of Hypoxia-Inducible Factor Signaling Pathways-a Promissing Approach in Cancer Treatment” International Journal of Advanced Research, Vol 8, No. 9, Sept 20
4. V.Suryanarayana, “Hematological Responses of Aqueous Extract of Cannabis Sativa Indica Leaves on Wistar Rats” International Journal of Advanced Research, Vol 8, No. 10, Oct 20
5. V.Suryanarayana, “ Strategies for Tracking Immune Surveillance of Tumor Milieu during Angiogenesis”, International Journal of Life science and Pharma Research, Vol 11, No. 1, Jan 21 [ESCI]  
  
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8. M. Sandra Carmel Sophia, “From Silent Suffering to strong self Identity: A Study of Anees Jung’s Breaking the Silence”, The Creative Launcher, Vol. 6, No 1, April 2021