



## Papers published by Faculty in Journals/Conferences

### Academic Year - 2022-23

International Journals (With Impact Factor)	132
International Journals (Scopus)	49
Scopus Indexed International Conferences	150
International Journals (UGC)	04
National Conferences	03
<b>Total</b>	<b>338</b>

### International Journal: (With Impact Factor)

1. Elumalai P.V, “Modelling and real time performance evaluation of a 5 MW grid-connected solar photovoltaic plant using different artificial neural networks”, Energy Conversion and Management, Vol.279, Mar 2023.  
[IF-11.53, SJR 2.83, H- Index 210]  
<https://www.sciencedirect.com/science/article/abs/pii/S0196890423001139>
2. A. Saravanan, A., “Thermal management system of lithium-ion battery packs for electric vehicles: An insight based on bibliometric study”, Journal of Energy Storage, Vol 52, Aug 2022  
[IF 8.90, SJR 1.46, H- Index 81]  
<https://www.sciencedirect.com/science/article/abs/pii/S2352152X22007356>
3. Pritam Kumar Das, “Effect of injection pressure adjustment towards performance, emission and combustion analysis of optimal nahar methyl ester diesel blend powered agricultural diesel engine”, Energy, Vol.263, Jan 2023.  
[IF 8.85, SJR 2.04, H- Index 212]  
<https://www.sciencedirect.com/science/article/abs/pii/S0360544222027177>
4. N. Ram Babu, “A Comprehensive Review of Recent Strategies on Automatic Generation Control/Load Frequency Control in Power Systems”, Archives of Computational Methods in Engineering, Sep 2022.  
[IF 8.17, SJR 1.62, H- Index 71]  
<https://link.springer.com/article/10.1007/s11831-022-09810-y>

5. N.Rambabu, "A Review on Various Secondary Controllers and Optimization Techniques in Automatic Generation Control", Archives of Computational Methods in Engineering, Mar 2023.  
[IF-8.17, SJR 1.62, H- Index 71]  
[file:///C:/Users/R%20and%20D%20Cell/Downloads/s11831-023-09895-z%20\(1\).pdf](file:///C:/Users/R%20and%20D%20Cell/Downloads/s11831-023-09895-z%20(1).pdf)
6. P.V.Elumalai, "Combustion and emission behaviors of dual-fuel premixed charge compression ignition engine powered with n-pentanol and blend of diesel/waste tire oil included nanoparticles", Fuel, Vol. 324, Sept 2022.  
[IF 8.03, SJR 1.51, H- Index 229]  
<https://www.sciencedirect.com/science/article/abs/pii/S0016236122014521>
7. P.V.Elumalai, "Experimental assessment on characteristics of premixed charge compression ignition engine fueled with multi-walled carbon nanotube-included Tamanu methyl ester", Fuel, Vol. 323, Sept 2022.  
[IF 8.03, SJR 1.51, H- Index 229]  
<https://www.sciencedirect.com/science/article/abs/pii/S0016236122012662>
8. Sumit M. Choudhary, "Effect of granite industry waste addition on durability properties of fly ash blended self-compacting concrete", Construction and Building Materials, Vol.340, July 2022.  
[IF 7.69, SJR 1.78, H- Index 198]  
<https://www.sciencedirect.com/science/article/abs/pii/S0950061822014027>
9. S. Ramasree, "Performance evaluation of artificial neural networks in sustainable modelling biodiesel synthesis", Sustainable Energy Technologies and Assessments, Vol.52, Aug 2022.  
[IF 7.63, SJR 1.04, H- Index 39]  
<https://www.sciencedirect.com/science/article/abs/pii/S2213138822001503>
10. K. Bapayya Naidu, "An Effective Sustainable Control of Brushless DC Motor using Firefly Algorithm – Artificial Neural Network based FOPID Controller", Sustainable Energy Technologies and Assessments, Vol.52, Aug 2022.  
[IF 7.63, SJR 1.36, H- Index 48]  
<https://www.sciencedirect.com/science/article/abs/pii/S2213138822001497>

11. G. Jaswanth, “Performance-based probabilistic deflection capacity models and fragility estimation for reinforced concrete column and beam subjected to blast loading”, Reliability Engineering and System Safety, Vol.227, Nov 2022  
[IF 7.24, SJR 1.82, H- Index 157]  
<https://www.sciencedirect.com/science/article/abs/pii/S0951832022003532>
12. G.Jaswanth, “Probabilistic demand models and performance-based fragility estimates for concrete protective structures subjected to missile impact”, Reliability Engineering and System Safety, Vol.223, July 2022.  
[IF 7.24, SJR 1.76, H- Index 146]  
<https://www.sciencedirect.com/science/article/abs/pii/S0951832022001582>
13. Elumalai. P.V, “Role of hydrogen in improving performance and emission characteristics of homogeneous charge compression ignition engine fueled with graphite oxide nanoparticle- added microalgae biodiesel/diesel blends”, International Journal of Hydrogen Energy, Oct 2022.  
[IF 7.13, SJR 1.21, H- Index 215]  
<https://www.sciencedirect.com/science/article/abs/pii/S0360319921033024>
14. A. Saravanan, “An overview on energy and exergy analysis of solar thermal collectors with passive performance enhancers”, Alexandria Engineering Journal, Vol. 61, No. 10, pp. 8123-8147, October 2022.  
[IF 6.62, SJR 0.93, H- Index 81]  
<https://www.sciencedirect.com/science/article/pii/S1110016822000643>
15. G. Ganesh, “Green Synthesis of Blue-Emitting Graphene Oxide Quantum Dots for In Vitro CT26 and In Vivo Zebrafish Nano-Imaging as Diagnostic Probes”, Pharmaceutics, Vol.15, No.2, Feb 2023.  
[IF-6.52. SJR 0.92, H- Index 68]  
<https://pubmed.ncbi.nlm.nih.gov/36839953/>
16. Biswajit Karan, “An investigation about the relationship between dysarthria level of speech and the neurological state of Parkinson's patients”, Biocybernetics and Biomedical Engineering, June 2022.  
[IF 5.68, SJR 1.19, H- Index 37]  
<https://www.sciencedirect.com/science/article/abs/pii/S0208521622000353#:~:text=In%20the%20earlier%20stage%20of,difficulty%20performing%20different%20speech%20tasks.>

17. K. Ayyappa Swamy, "Spiral Search Grasshopper Features Selection with VGG19-ResNet50 for Remote Sensing Object Detection", *Remote Sensing*, Vol.14, No.21, Oct 2022.
- [IF 5.34, SJR 1.28, H- Index 144]
- <file:///C:/Users/R%20and%20D%20Cell/Downloads/remotesensing-14-05398-v3.pdf>
18. K.V.S.R. Murthy, "Synthesis of microcrystalline cellulose from abaca nonfluorescent flower pistil and its twill weaved fiber-polyester composites: Viscoelastic, fatigue, and mechanical properties", *Polymer Composites*, Vol.44, No.7, May 2023.
- [IF-5.2, SJR 0.67, H- Index 94]
- <https://4spepublications.onlinelibrary.wiley.com/doi/abs/10.1002/pc.27363>
19. Abhishek Kumar Tripathi, "Quantitative Analysis of Solar Photovoltaic Panel Performance with Size-Variied Dust Pollutants Deposition Using Different Machine Learning Approaches", *Molecules*, Vol.27, No. 22, Nov 2022.
- [IF 4.92, SJR 0.71, H- Index 171]
- <https://www.mdpi.com/1420-3049/27/22/7853>
20. G. Ganesh, "Multimodal Imaging and Phototherapy of Cancer and Bacterial Infection by Graphene and Related Nanocomposites", *Molecules*, Vol.27, No.17, Aug 2022.
- [IF 4.92, SJR 0.71, H- Index 171]
- <https://www.mdpi.com/1420-3049/27/17/5588>
21. G. Ganesh, "Status Quo on Graphene Electrode Catalysts for Improved Oxygen Reduction and Evolution Reactions in Li-Air Batteries", *Molecules*, Vol.27, No.22, Nov 2022.
- [IF 4.92, SJR 0.71, H- Index 171]
- <https://www.mdpi.com/1420-3049/27/17/5588+>
22. S.B.G.Tilak Babu, "An optimized technique for copy-move forgery localization using statistical features", *ICT Express*, June 2022.
- [IF 4.75, SJR 0.73, H- Index 22]
- <https://www.sciencedirect.com/science/article/pii/S2405959521001065>
23. R. Uzwalkiran, "Influence of friction stir processing on microstructure, mechanical properties and corrosion behaviour of Mg-Zn-Dy alloy", *Journal of Materials Science*, Vol.58, No.6, Jan 2023.
- [IF-4.68. SJR 0.78, H- Index 187]
- <https://link.springer.com/article/10.1007/s10853-023-08208-w>

24. G. Jaswanth, "Performance-based probabilistic capacity models for reinforced concrete and prestressed concrete protective structures subjected to missile impact", International Journal of Impact Engineering, Vol.164, June 2022.

[IF 4.59, SJR 1.41, H- Index 133]

<https://www.sciencedirect.com/science/article/abs/pii/S0734743X22000537>

25. A. Saravanan, "Thermal performance prediction of a solar air heater with a C-shape finned absorber plate using RF, LR and KNN models of Machine learning", Thermal Science and Engineering Progress, Vol.38, Feb 2023.

[IF 4.56, SJR 1.03, H- Index 37]

<https://www.sciencedirect.com/science/article/abs/pii/S245190492200436X>

26. B. R. S. S. Raju, "Modeling of Sensor Enabled Irrigation Management for Intelligent Agriculture Using Hybrid Deep Belief Network", Computer Systems Science and Engineering, Vol.46, No.2, Feb 2023.

[IF- 4.39. SJR 0.32, H- Index 27]

<https://www.techscience.com/csse/v46n2/51669>

27. P. Udayakumar, "Coot Optimization with Deep Learning-Based False Data Injection Attack Recognition", Computer Systems Science and Engineering, Vol.46, No.1, Jan 2023.

[IF- 4.39. SJR 0.32, H- Index 27]

<https://www.techscience.com/csse/v46n1/51319/html>

28. S. Anandha Kumar, "Experimental study on penetration characteristics of an open-ended pile under static and dynamic driving methods", Soil Dynamics and Earthquake Engineering, Vol.166, Mar 2023.

[IF- 4.25. SJR 1.43, H- Index 109]

<https://www.sciencedirect.com/science/article/abs/pii/S0267726123000155>

29. G. Sridevi, "Homomorphic filtering for the image enhancement based on fractional-order derivative and genetic algorithm", Computers and Electrical Engineering, Vol.106, Mar 2023.

[IF 4.15, SJR 1.11, H- Index 73]

<https://www.sciencedirect.com/science/article/abs/pii/S0045790622007819>

30. Elumalai P.V, “Effect of Kariba Weed Biodiesel Blended with n-Pentane on the Chosen Parameters of a Ceramic-Coated Thermal Barrier Direct Injection Diesel Engine”, ACS Omega, Vol.7, No.50, Dec 2022.

[IF 4.13, SJR 0.71, H- Index 55]

<https://pubs.acs.org/doi/pdf/10.1021/acsomega.2c04937>

31. Elumalai P.V, “Potential Effect of Lemon Peel Oil with Novel Eco-Friendly and Biodegradable Emulsion in Un-Modified Diesel Engine’, ACS Omega, May 2023.

[IF 4.13, SJR 0.71, H- Index 55]

<https://pubs.acs.org/doi/10.1021/acsomega.3c00325>

32. Elumalai, P.V, “Experimental Investigation for Determining an Ideal Algal Biodiesel-Diesel Blend to Improve the Performance and Mitigate Emissions Using a Response Surface Methodology”, ACS Omega, Vol. 8, No.10, Mar 2023.

[IF 4.13, SJR 0.71, H- Index 55]

<https://pubs.acs.org/doi/10.1021/acsomega.2c07104>

33. Elumalai P.V, “Experimental Investigation on the PCCI Engine Fueled by Algal Biodiesel Blend with CuO Nanocatalyst Additive and Optimization of Fuel Combination for Improved Performance and Reduced Emissions at Various Load Conditions by RSM Technique”, ACS Omega, Vol.8, No.8, Feb 2023.

[IF-4.13. SJR 0.71, H- Index 55]

<https://pubs.acs.org/doi/10.1021/acsomega.2c07882>

34. Elumalai P.V, “Experimental Studies on Thermal-Barrier-Coated Engine Fuelled by a Blend of Eucalyptus Oil and DEE”, ACS Omega, Vol. 7, No.50, Dec 2022.

[IF 4.13, SJR 0.71, H- Index 55]

<https://pubs.acs.org/doi/pdf/10.1021/acsomega.2c05089>

35. N. Nagabhooshanam, “Electro discharge machining of lychee fruit husk derived C-dots deionized green dielectric on AA7050-TiB<sub>2</sub> metal matrix composite”, Biomass Conversion and Biorefinery, Nov 2022

[IF 4.05, SJR 0.54, H- Index 39]

<https://link.springer.com/article/10.1007/s13399-022-03559-x>

36. Elumalai P.V, “Optimization of Performance and Emission Characteristics of the CI Engine Fueled with Preheated Palm Oil in Blends with Diesel Fuel”, Sustainability, Vol.14, No.23, Nov 2022.

[IF 3.88, SJR 0.66, H- Index 109]

<https://www.mdpi.com/2071-1050/14/23/15487>

37. N. Ram Babu, “Dynamic Stability Evaluation of an Integrated Biodiesel- Geothermal Power Plant-Based Power System with Spotted Hyena Optimized Cascade Controller”, Sustainability, Vol.14, No.22, Nov 2022.

[IF 3.88, SJR 0.66, H- Index 109]

<https://www.mdpi.com/2071-1050/14/22/14842>

38. G. Vishnu Vardhan, “Outage Probability Analysis and Transmit Power Optimization for Blind-Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access Uplink”, Sustainability, Vol.14, No.20, Oct 2022.

[IF 3.88, SJR 0.66, H- Index 109]

<https://www.mdpi.com/2071-1050/14/20/13188>

39. Elumalai P.V, “Heat Transfer Studies on Solar Parabolic trough Collector Using Corrugated Tube Receiver with Conical Strip Inserts”, Sustainability, Vol.15, No.1, Dec 2022.

[IF-3.88. SJR 0.66, H- Index 109]

<https://www.mdpi.com/2071-1050/15/1/378>

40. N. Rambabu, “Dynamic Stability Evaluation of an Integrated Biodiesel-Geothermal Power Plant-Based Power System with Spotted Hyena Optimized Cascade Controller”, Sustainability (Switzerland), Vol. 14, No.22, November 2022

[IF 3.88, SJR 0.66, H- Index 109]

<https://www.mdpi.com/2071-1050/14/22/14842>

41. Elumalai P.V, “Effects of Injection Timing and Antioxidant on NO<sub>x</sub> Reduction of CI Engine Fueled with Algae Biodiesel Blend Using Machine Learning Techniques” Sustainability, Vol.15, No.1, Dec 2022.

[IF-3.88. SJR 0.66, H- Index 109]

<https://www.mdpi.com/2071-1050/15/1/603>

42. S.Ramasree, "Jellyfish Search Optimization with Deep Learning Driven Autism Spectrum Disorder Classification", Computers, Materials and Continua, Vol.74, No.1, Aug 2022.  
[IF 3.86, SJR 0.67, H- Index 44]  
[https://file.techscience.com/ueditor/files/cmc/TSP\\_CMC-74-1/TSP\\_CMC\\_32586/TSP\\_CMC\\_32586.pdf](https://file.techscience.com/ueditor/files/cmc/TSP_CMC-74-1/TSP_CMC_32586/TSP_CMC_32586.pdf)
43. S. Ramasree, "DNA Computing with Water Strider Based Vector Quantization for Data Storage Systems", Computers, Materials and Continua, Vol.74, No. 3, Dec 2022.  
[IF-3.86. SJR 0.67, H- Index 44]  
[https://file.techscience.com/files/cmc/2023/TSP\\_CMC-74-3/TSP\\_CMC\\_31817/TSP\\_CMC\\_31817.pdf](https://file.techscience.com/files/cmc/2023/TSP_CMC-74-3/TSP_CMC_31817/TSP_CMC_31817.pdf)
44. M. V. Rajesh, "Blockchain Driven Metaheuristic Route Planning in Secure Wireless Sensor Networks", Computers, Materials and Continua, Vol.74, No.1, Oct 2022.  
[IF 3.86, SJR 0.67, H- Index 44]  
[https://file.techscience.com/ueditor/files/cmc/TSP\\_CMC-73-3/TSP\\_CMC\\_32353/TSP\\_CMC\\_32353.pdf](https://file.techscience.com/ueditor/files/cmc/TSP_CMC-73-3/TSP_CMC_32353/TSP_CMC_32353.pdf)
45. N. Nagabhooshanam, "Investigation of High-Temperature Wear Behaviour of AA 2618-Nano Si<sub>3</sub>N<sub>4</sub> Composites Using Statistical Techniques", Journal of Nanomaterials, Sep 2022.  
[IF 3.79, SJR 0.52, H- Index 77]  
<https://www.hindawi.com/journals/jnm/2022/3449903/>
46. N. Nagabhooshanam, "Investigations of Nanoparticles (Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>) Addition on the Mechanical Properties of Blended Matrix Polymer Composite", Journal of Nanomaterials, Aug 2022.  
[IF 3.79, SJR 0.52, H- Index 77]  
<https://dl.acm.org/doi/abs/10.1155/2022/4392371>
47. N. Nagabhooshanam, "Nanotitanium Oxide Particles and Jute-Hemp Fiber Hybrid Composites: Evaluate the Mechanical, Water Absorptions, and Morphological Behaviors", Journal of Nanomaterials, Sep 2022  
[IF 3.79, SJR 0.52, H- Index 77]
48. V. Srinivasa Rao, "Machine Learning Algorithms are Applied Nanomaterial Properties for Nanosecurity", Journal of Nanomaterials, July 2022.  
[IF 3.79, SJR 0.52, H- Index 77]  
<https://downloads.hindawi.com/journals/jnm/2022/5450826.pdf>



49. S. Ramasree, "Integrated learning algorithms-based epileptologist assistive tool for seizure detection and prediction", *Soft Computing*, Feb 2023.  
[IF-3.73. SJR 0.88, H- Index 90]  
<https://link.springer.com/article/10.1007/s00500-023-07913-7>
50. N. Radha, "Digital code modulation-based MIMO system for underwater localization and navigation using MAP algorithm", *Soft Computing*, April 2023.  
[IF-3.73. SJR 0.88, H- Index 90]  
<https://link.springer.com/article/10.1007/s00500-023-08244-3>
51. V. Suneetha, "Spectral efficiency enhancement by hybrid pre-coding technique for reconfigurable intelligent surfaces-based massive MIMO systems under variable CSI", *Soft Computing*, May 2023  
[IF-3.73. SJR 0.88, H- Index 90]  
<https://link.springer.com/article/10.1007/s00500-023-08464-7>
52. J. Pavan, "Enhancing wind power monitoring through motion deblurring with modified GoogleNet algorithm", *Soft Computing*, May 2023  
[IF-3.73. SJR 0.88, H- Index 90]  
<https://link.springer.com/article/10.1007/s00500-023-08358-8#:~:text=To%20strengthen%20motion%20blur%20rejection,motion%20blur%20characteristics%20and%20orientations.>
53. V Suneetha, "A study of deep learning techniques for predicting breast cancer types", *Soft Computing*, May 2023  
[IF-3.73. SJR 0.88, H- Index 90]  
<https://link.springer.com/article/10.1007/s00500-023-08245-2>
54. A. Tathababu, "A Novel Conformal Quasi-Yagi Antenna With Offset Feed for High Directional 300GHz Applications", *IEEE Access*, Vol.11, pp. 37335-37346, April 2023  
[IF-3.73. SJR 0.88, H- Index 90]  
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=10097487>
55. Elumalai P.V, "Corrosion characteristic of stainless steel and galvanized steel in water emulsified diesel, diesel and palm biodiesel", *Engineering Failure Analysis*, Vol.147, May 2023.  
[IF-3.63, SJR 0.81, H- Index 92]  
<https://www.sciencedirect.com/science/article/abs/pii/S1350630723000833#:~:text=Stainless%20steel%20had%200.5%20times,to%20emulsified%20diesel%20than%20biodiesel.>

56. P. Satish, "Heat transfer rotating MHD two-liquid slip flow regime with Hall current", Heat Transfer, Vol.52, No.7, May 2023.

[IF-3.6, SJR 0.47, H- Index 39]

<https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.22900>

57. N. Nagabhooshanam, "Effect of black rice husk ash biosilica on mechanical, wear, and fatigue behavior of stacked aloevera/roselle and glass fiber reinforced epoxy composite", Polymer Composites, Vol.43, No.10, June 2022.

[IF 3.53, SJR 0.55, H- Index 87]

<https://onlinelibrary.wiley.com/doi/10.1002/pc.26810?af=R>

58. N. Nagabhooshanam, "Effect of silanized stacked Kevlar fiber/brass 270 wire mesh on mechanical and impact toughness of cubic boron nitride–epoxy composite", Polymer Composites, Vol.43, No.10, June 2022.

[IF 3.53, SJR 0.55, H- Index 87]

<https://onlinelibrary.wiley.com/doi/abs/10.1002/pc.26805>

59. N. Nagabhooshanam, Jyothirmai, "Dynamic mechanical, ballistic and tribological behavior of luffa aegyptiaca fiber reinforced coco husk biochar epoxy composite", Polymer Composites, Vol.44, No3, Jan 2023.

[IF 3.53, SJR 0.55, H- Index 87]

<https://4spepublications.onlinelibrary.wiley.com/doi/abs/10.1002/pc.27215>

60. M. Rajababu, "A sophisticated semantic analysis framework using an intelligent tweet data clustering and classification methodologies", Microprocessors and Microsystems, Vol.98, April 2023.

[IF-3.5. SJR 0.54, H- Index 41]

<https://www.sciencedirect.com/science/article/abs/pii/S014193312300039X>

61. N. Nagabhooshanam, "EMI shielding of cobalt, red onion husk biochar and carbon short fiber-PVA composite on X and Ku band frequencies", Polymer Composites, Vol.43, No.10, July 2022.

[IF 3.53, SJR 0.55, H- Index 87]

<https://onlinelibrary.wiley.com/doi/abs/10.1002/pc.26898>

62. Kala Bharathi B.V.V.L., N. Nagabhooshanam, "Preparation and characterization of opuntia-cladode fiber and citron peel biochar toughened epoxy biocomposite", Polymer Composites, Aug 2022.

[IF 3.53, SJR 0.55, H- Index 87]

<https://onlinelibrary.wiley.com/doi/10.1002/pc.26970?af=R>

63. P.S. Ranjit, "Investigation of nitric oxides emission control using dual-approach exhaust gas recirculation and quaternary blends: performance, combustion, and emission characteristics", International Journal of Environmental Science and Technology, April 2023.

[IF-3.51. SJR 0.6, H- Index 93]

<https://link.springer.com/article/10.1007/s13762-023-04926-5>

64. Anandha Kumar, "Assessing the potential of xanthan gum to modify in-situ soil as baselines for landfills", International Journal of Environmental Science and Technology, Nov 2022.

[IF 3.51, SJR 0.51, H- Index 75]

<https://link.springer.com/article/10.1007/s13762-021-03721-4>

65. B. Tirupati Rao, "Carboxymethyl Cellulose Stabilized Cobalt Sulfide Nanoparticles: Preparation, Characterization and Application", Journal of Cluster Science, Nov 2022.

[IF 3.44, SJR 0.47, H- Index 49]

<https://link.springer.com/article/10.1007/s10876-022-02394-4>

66. N. Ram Babu, "Impact of Spotted Hyena Optimized Cascade Controller in Load Frequency Control of Wave-Solar-Double Compensated Capacitive Energy Storage Based Interconnected Power System", Energies, Vol.15, No.19, Sept 2022.

[IF 3.25, SJR 0.65, H- Index 111]

<https://www.mdpi.com/1996-1073/15/19/6959>

67. Elumalai, P.V, "A Review on Recent Developments of RCCI Engines Operated with Alternative Fuels", Energies, Vol.16, No.7, April 2023.

[IF-3.25. SJR 0.63, H- Index 132]

<https://www.mdpi.com/1996-1073/16/7/3192>

68. A. Sirisha Bhadrakali, "Thermal Degradation Studies and Machine Learning Modelling of Nano-Enhanced Sugar Alcohol-Based Phase Change Materials for Medium Temperature Applications", Energies, Vol. 16, No. 5, Feb 2023.

[IF-3.25. SJR 0.63, H- Index 132]

<https://www.mdpi.com/1996-1073/16/5/2187>

69. Elumalai P.V, “Influence of Magnetic Wood on Mechanical and Electromagnetic Wave-Absorbing Properties of Polymer Composites”, International Journal of Polymer Science, Feb 2023.
- [IF-2.97, SJR 0.48, H- Index 41]
- <https://downloads.hindawi.com/journals/ijps/2023/1142654.pdf>
70. P. Bujji Babu, “Design and Application of Silicon on Insulator Based SiGe VTFET in IIR Filter by Balanced Truncation (BT) Method of Model Order Reduction”, Silicon, Sep 2022.
- [IF 2.94, SJR 0.49, H- Index 34]
- <https://link.springer.com/article/10.1007/s12633-022-02086-8>
71. N. Nagabhooshanam, “Effect of Adding Rice Husk Ash Functional Silicon Additives on Flammability Wear and Thermal Stability of Ramie-Epoxy Composite”, Silicon, April 2023
- [IF 2.94, SJR 0.49, H- Index 34]
- <https://link.springer.com/article/10.1007/s12633-023-02463-x>
72. Girija.Shankar Sahoo, “CuO Film as a Recombination Blocking Layer: a Unique Approach for the Efficiency Improvement of Si Solar Cells”, Silicon, Feb 2023
- [IF 2.94, SJR 0.49, H- Index 34]
- <https://link.springer.com/article/10.1007/s12633-023-02331-8>
73. Abhishek Kumar Tripathi, “ Environmental and exergo economic assessments of a novel biomass gasification based solid oxide fuel cell and heat engine hybrid energy system”, Energy Sources, Part A: Recovery, Utilization and Environmental Effects, Vol.44, No.4, Sep 2022.
- [IF 2.90, SJR 0.43, H- Index 49]
- <https://www.tandfonline.com/doi/pdf/10.1080/15567036.2022.2123070>
74. P.S. Ranjit, “Influence of small amount of hydrogen fuel on spark-ignition engine characteristics through H-CNG fuel blend and its comparative study”, Energy Sources, Part A: Recovery, Utilization and Environmental Effects, Vol. 44, No.4, pp. 10518-10532, Dec 2022
- [IF 2.90, SJR 0.43, H- Index 49]
- <https://www.tandfonline.com/doi/full/10.1080/15567036.2022.2151668>

75. Pritam Kumar Das, "Effect of particle loading and temperature on the rheological behavior of Al<sub>2</sub>O<sub>3</sub> and TiO<sub>2</sub> nanofluids", *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, Vol.44, No.3, Aug 2022.  
[IF 2.90, SJR 0.43, H- Index 49]  
<https://www.tandfonline.com/doi/full/10.1080/15567036.2022.2103214>
76. M.V. Rajesh, "Video streaming in ultra-high definition (4K and 8K) on a portable device employing a Versatile Video Coding standard", *Optik*, Vol. 271, December 2022.  
[IF 2.84, SJR 0.48, H- Index 66]  
<https://www.sciencedirect.com/science/article/abs/pii/S003040262201422X>
77. Prasanth Vaidya, "Digital Watermarking System for Copyright Protection and Authentication of Images Using Cryptographic Techniques", *Applied Sciences*, Vol.12, No.17, Aug 2022.  
[IF 2.83, SJR 0.51, H- Index 75]  
<file:///C:/Users/R%20and%20D%20Cell/Downloads/applsci-12-08724.pdf>
78. S. Pachaiappan, "Displacement-Controlled Nonlinear Analysis of Offshore Platform Topside Under Accidental Loads", *Arabian Journal for Science and Engineering*, Dec 2022.  
[IF 2.80, SJR 0.47, H- Index 50]  
<https://link.springer.com/article/10.1007/s13369-022-07509-7>
79. Shivam Singh, "Design of a broadband dispersion compensated ultra-high nonlinear photonic crystal fiber", *Optical and Quantum Electronics*, Vol. 54, No.8, July 2022.  
[IF 2.79, SJR 0.43, H- Index 62]  
[https://assets.researchsquare.com/files/rs-1278492/v1\\_covered.pdf?c=1647540198](https://assets.researchsquare.com/files/rs-1278492/v1_covered.pdf?c=1647540198)
80. P.S. Ranjit, "Experimental investigation of carbon nanotube additives on CRDI engine fueled with *Chlorella vulgaris* microalgae methyl ester and bio-ethanol blends: performance, emission and combustion characteristics", *Biofuels*, Dec 2022.  
[IF 2.73, SJR 0.54, H- Index 43]  
<https://www.tandfonline.com/doi/abs/10.1080/17597269.2022.2153405?src=&journalCode=tbfu20>
81. Elumalai P.V, "Influence of Injection Pressure on the Dual-Fuel Mode in CI Engines Fueled with Blends of Ethanol and Tamanu Biodiesel", *International Journal of Chemical Engineering*, Nov 2022.  
[IF 2.72, SJR 0.4, H- Index 29]  
<https://downloads.hindawi.com/journals/ijce/2022/6730963.pdf>

82. Elumalai.P.V, “Assessment on Performance and Emission Characteristics of the CRDI Engine Fueled with Ethanol/Diesel Blends in Addition to EGR”, International Journal of Chemical Engineering, Oct 2022.

[IF 2.72, SJR 0.4, H- Index 29]

<https://www.hindawi.com/journals/ijce/2022/4413617/>

83. A.Tathababu, “Fractal Loaded, Novel, and Compact Two- and Eight-Element High Diversity MIMO Antenna for 5G Sub-6 GHz (N77/N78 and N79) and WLAN Applications, Verified with TCM Analysis”, Electronics, Vol.12, No.4, Feb 2023.

[IF-2.69. SJR , H- Index ]

<https://www.mdpi.com/2079-9292/12/4/952>

84. Elumalai P.V, “Prediction of Angular Distortion in Gas Metal Arc Welding of Structural Steel Plates Using Artificial Neural Networks”, Metals, Vol.13, No.2, Feb 2023.

[IF-2.69. SJR 0.57, H- Index 44]

<https://www.mdpi.com/2075-4701/13/2/436>

85. Elumalai P.V, “Experimental Investigation of the Mechanical Properties of Carbon/Basalt/SiC Nanoparticle/Polyester Hybrid Composite Materials”, Crystals, Vol.13, No.3, Feb 2023.

[IF-2.67, SJR 0.46, H- Index 53]

<file:///C:/Users/R%20and%20D%20Cell/Downloads/crystals-13-00415-v2.pdf>

86. D.V.N. Koteswara Rao, “A Compact SWB-CSF Antenna for Millimetre Wave Wireless Applications”, Journal of Infrared, Millimeter, and Terahertz Waves, Vol.43, Sept 2022.

[IF 2.64, SJR 0.64, H- Index 62]

<https://link.springer.com/article/10.1007/s10762-022-00877-z>

87. Ch. Amarendra, “Modified Hybrid PSO Algorithm for Efficient Control of the Matrix Converter-Fed Electrical Drive System”, International Transactions on Electrical Energy Systems, Vol. 2023, Mar 2023.

[IF-2.63, SJR 0.55, H- Index 51]

<https://downloads.hindawi.com/journals/itees/2023/4344270.pdf>

88. Pritam Kumar Das, “Experimental and molecular dynamics approach to evaluate the thermo-rheological properties of CuO nanofluids for heat transfer application”, Particulate Science and Technology, Oct 2022.

[IF 2.62, SJR 0.37, H- Index 38]

<https://www.tandfonline.com/doi/full/10.1080/02726351.2022.2124472?src>

89. N. Rambabu, “Dynamic stability assessment of interconnected thermal-SsGT-solar photovoltaic-EV power system with ARO optimized IDN-FOID amalgamated controller”, IET Renewable Power Generation, Vol.17, No.10, May 2023.

[IF-2.6, SJR 0.87, H- Index 88]

<https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/rpg2.12771>

90. S. Prasanth Vaidya, “Robust digital color image watermarking based on compressive sensing and DWT”, Multimedia Tools and Applications, May 2023

[IF 2.57, SJR 0.72, H- Index 80]

<https://link.springer.com/article/10.1007/s11042-023-15349-2>

91. G. Suresh, “Logistic-map based fragile image watermarking scheme for tamper detection and localization”, Multimedia Tools and Applications, Dec 2022.

[IF 2.57, SJR 0.72, H- Index 80]

<file:///C:/Users/R%20and%20D%20Cell/Downloads/s11042-022-13630-4.pdf>

92. B Satya Sridevi, “Deep Learning-Based Smart Hybrid Solar Water Heater Erection Model to Extract Maximum Energy”, International Journal of Photoenergy, Oct 2022.

[IF 2.53, SJR 0.41, H- Index 56]

<https://downloads.hindawi.com/journals/ijp/2022/2943386.pdf>

93. T. Sudha Rani, “An IOT Innovation of Smart Solar Energy Consumption Analysis and Control in Micro Grid”, International Journal of Photoenergy, Vol 2022, Oct 2022.

[IF 2.53, SJR 0.5, H- Index 61]

<https://www.hindawi.com/journals/ijp/2022/7506237/>

94. P. Lakshmi, “Estimation of Groundwater Quality in Arid Region or Semiarid Region by Using Statistical Methods and Geographical Information System Technique”, International Journal of Photoenergy, Vol 2022, Sep 2022

[IF 2.53, SJR 0.5, H- Index 61]

<https://www.hindawi.com/journals/ijp/2022/7902301/>

95. J. D. Venkatesh, “Examine the Mechanical Properties of Aluminium Tetrahydride/Calotropis gigantea Based Hybrid Polyester Composites in Cryogenic Atmosphere”, Advances in Polymer Technology, Aug 2022.

[IF 2.50, SJR 0.43, H- Index 47]

<https://www.hindawi.com/journals/apt/2022/9164777/>

96. Satyajeet Parida, "Al<sub>2</sub>O<sub>3</sub>-CO<sub>2</sub> Nanofluid Transport Properties: A Molecular Dynamics Study and Machine Learning Predictive Modelling", Heat Transfer Engineering, Dec 2022.

[IF 2.43, SJR 0.63, H- Index 70]

<https://www.tandfonline.com/doi/full/10.1080/01457632.2022.2148345>

97. A. Tathababu, "Design of novel compact eight-element lotus shaped UWB-MIMO antenna with triple-notch characteristics on hollow substrate", International Journal of Communication Systems, Vol.36, No.8, March 2023.

[IF 2.1, SJR 0.52, H- Index 56]

[https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5465#:~:text=The%20developed%20eight%2Delement%20MIMO,7.75%20GHz\)%20and%20up%20link%20](https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5465#:~:text=The%20developed%20eight%2Delement%20MIMO,7.75%20GHz)%20and%20up%20link%20)

98. R. Uzwal Kiran, "Design and Fabrication of Patient-Specific Implant for Maxillofacial Surgery Using Additive Manufacturing", Advances in Materials Science and Engineering, Aug 2022.

[IF 2.09, SJR 0.37, H- Index 50]

<https://www.hindawi.com/journals/amse/2022/7145732/>

99. I Veeranjanyulu, "Investigation of Mechanical Properties and Microstructure of AZ31-SiC-Graphite Hybrid Nanocomposites Fabricated by Bottom Pouring-Type Stir Casting Machines", Advances in Materials Science and Engineering, Jan 2023.

[IF-2.09. SJR 0.37, H- Index 50]

<https://www.hindawi.com/journals/amse/2023/3402348/>

100. P Ravi Kishore, "Investigation of Groundwater Hydro-Geochemistry, Excellence, and Anthropoid Wellbeing Hazard in Dry Zones Using the Chemometric Method", Advances in Materials Science and Engineering, Oct 2022.

[IF 2.09, SJR 0.37, H- Index 50]

<https://downloads.hindawi.com/journals/amse/2022/4903323.pdf>

101. J. Pavan, "Thermogravimetric Analysis and Mechanical Properties of Pebble Natural Filler- Reinforced Polymer Composites Produced through a Hand Layup Technique", Advances in Materials Science and Engineering, Sep 2022.

[IF 2.09, SJR 0.37, H- Index 50]

<https://downloads.hindawi.com/journals/amse/2022/1837741.pdf>



102. V.V. Kamesh, “A Comprehensive Study of Ceramic Matrix Composites for Space Applications”, Advances in Materials Science and Engineering, Sept 2022.

[IF 2.09, SJR 0.37, H- Index 50]

<https://www.hindawi.com/journals/amse/2022/6160591/>

103. V.S.N.Ch. Dattu, “An Artificial Intelligence Mechanism for the Prediction of Signal Strength in Drones to IoT Devices in Smart Cities”, Advances in Materials Science and Engineering, Aug 2022.

[IF-2.09. SJR 0.37, H- Index 50]

<https://downloads.hindawi.com/journals/amse/2022/7387346.pdf>

104. N.R.Dhinesh Babu, “Characterization of AA7075 Surface Composites with Ex Situ Al<sub>2</sub>O<sub>3</sub>/SiC Reinforcements Tailored Using Friction Stir Processing”, Journal of Materials Engineering and Performance, Sep 2022.

[IF 2.03, SJR 0.47, H- Index 72]

<https://link.springer.com/article/10.1007/s11665-022-07354-7>

105. R. Uzwalkiran, “Comparative Study of Plasma Spray and Friction Stir Processing on Wear Properties of Mg-Zn-Dy Alloy”, Journal of Materials Engineering and Performance, Mar 2023.

[IF-2.03. SJR 0.47, H- Index 72]

<https://link.springer.com/article/10.1007/s11665-023-08087-x>

106. N.R.Dhinesh Babu, “Effects of asna fibre reinforced with epoxy resin with and without steel wire mesh and simulation of car bumper”, Materials Research Express, Vol.9, No.5, May 2022.

[IF 2.02, SJR 0.4, H- Index 43]

<https://iopscience.iop.org/article/10.1088/2053-1591/ac6a48/meta>

107. M. Vamsi Krishna, “An Optimized Deep Neural Aspect Based Framework for Sentiment Classification”, Wireless Personal Communications, Oct 2022.

[IF 2.01, SJR 0.48, H- Index 65]

<https://link.springer.com/content/pdf/10.1007/s11277-022-10081-w.pdf?pdf=button%20sticky>

108. Sanjeev Kumar, "Design of Compact Textile MIMO with High Isolation for Wearable Applications" *Wireless Personal Communications*, April 2023  
[IF 2.01, SJR 0.48, H- Index 65]  
<https://link.springer.com/article/10.1007/s11277-023-10430-3>
109. S. Aruna Kumari, "Anti pathogenic studies of new mixed ligand metal chelates", *Indian Journal of Biochemistry and Biophysics*, Vol.59, No.2, Feb 2022.  
[IF 1.91, SJR 0.29, H- Index 46]  
<http://14.139.47.50/bitstream/123456789/59371/1/IJBB%2059%282%29%20189-196.pdf>
110. D.V.N. Koteswara Rao, "A novel foot-shaped elliptically embedded patch-ultra wide band antenna with quadruple band notch characteristics verified by characteristic mode analysis", *International Journal of Communication Systems*, June 2022  
[IF 1.88, SJR 0.52, H- Index 52]  
<https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5284>
111. D.V.N. Koteswara Rao, "Characteristic mode analysis of two port semi-circular arc-shaped multiple-input-multiple-output antenna with high isolation for 5G sub-6 GHz and wireless local area network applications", *International Journal of Communication Systems*, Vol.35, No.14, June 2022.  
[IF 1.88, SJR 0.52, H- Index 52]  
<https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5257>
112. A.Saravanan, "Performance Enhancement of Tubular Solar Still with Various Rotating Wicked Materials –An Experimental Approach", *Journal of Thermal Science and Engineering Applications*, Vol.14, Oct 2022.  
[IF 1.87, SJR 0.46, H- Index 31]  
<https://asmedigitalcollection.asme.org/thermalscienceapplication/article-abstract/14/10/101004/1139424/Performance-Enhancement-of-Tubular-Solar-Still?redirectedFrom=fulltext>
113. D. V. N.Koteswara Rao, "A Compact SE-DGS Tapered-Fed Notched UWB Antenna Integrated with Ku/K Band for Breast Cancer Detection", *IETE Journal of Research*, Mar 2023.  
[IF-1.87. SJR 0.32, H- Index 28]  
<https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2185308>

114.A. Tathababu, “Design and Experimental Analysis of Dual-Port Antenna with High Isolation for 5G Sub 6 GHz: n77/n78/n79 and WiFi-5 Bands Applications” IETE Journal of Research, Jan 2023

[IF-1.87. SJR 0.32, H- Index 28]

<https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2167740>

115.A. Saravanan, “Performance Enhancement of Tubular Solar Still With Various Rotating Wicked Materials—An Experimental Approach”, Journal of Thermal Science and Engineering Applications, Vol. 14, No. 10, April 2022

[IF 1.87, SJR 0.46, H- Index 31]

<https://asmedigitalcollection.asme.org/thermalscienceapplication/article-abstract/14/10/101004/1139424/Performance-Enhancement-of-Tubular-Solar-Still?redirectedFrom=fulltext>

116.N. Rambabu, “Mitigation of AGC Problem of the RES Integrated Hydro-Thermal System Using FACTS and INEC Based AHVDC with ESS Considering the 3DOF-TIDN Controller”, IETE Journal of Research, May 2023

[IF-1.87. SJR 0.32, H- Index 28]

<https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2210539>

117. A.Tathababu, “Design and Experimental Analysis of Dual-Port Antenna with High Isolation for 5G Sub 6 GHz: n77/n78/n79 and WiFi-5 Bands Applications”, IETE Journal of Research, Jan 2023.

[IF-1.87. SJR 0.32, H- Index 28]

<https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2167740>

118. Puja Dutta, “Categorization of gaps at mid-block median openings in heterogeneous traffic: adjudging the applicability of support vector machine and occupancy time methods”, Transportation Letters, Oct 2022.

[IF 1.84, SJR 0.77, H- Index 27]

<https://www.tandfonline.com/doi/full/10.1080/19427867.2022.2133375>

119. P.S. Ranjit, “Experimental Investigations on Hydrogen Supplemented Pinus Sylvestris Oil-based Diesel Engine for Performance Enhancement and Reduction in Emissions”, FME Transactions, Vol.50, No.2, June 2022.

[IF 1.82, SJR 0.47, H- Index 25]

[https://www.mas.bg.ac.rs/\\_media/istrazivanje/fme/vol50/2/9\\_p.s.\\_ranjit\\_et\\_al.pdf](https://www.mas.bg.ac.rs/_media/istrazivanje/fme/vol50/2/9_p.s._ranjit_et_al.pdf)

120. U Rajya Lakshmi, "Computer-aided fusion-based neural network in application to categorize tomato plants", *Signal, Image and Video Processing*, May 2023  
[IF 1.58, SJR 0.46, H- Index 48]  
<https://link.springer.com/article/10.1007/s11760-023-02551-w>
121. S Aruna Kumari, "Cytotoxic and microbial studies of mixed metal complexes", *Indian Journal of Biochemistry and Biophysics*, Vol.60, No.3, Mar 2023.  
[IF-1.47, SJR 0.22, H- Index 47]  
<http://op.niscpr.res.in/index.php/IJBB/article/view/58739>
122. N. Ram Babu, "Fixed terminal time fractional optimal control problem for discrete time singular system", *Archives of Control Sciences*, Vol.32, No.3, Sep 2022.  
[IF 1.44, SJR 0.36, H- Index 23]  
[https://journals.pan.pl/Content/124474/PDF/art01\\_int.pdf](https://journals.pan.pl/Content/124474/PDF/art01_int.pdf)
123. A. Sirisha Bhadrakali, "Microstructure and Mechanical Properties of the Bimetallic Wire Arc Additively Manufactured Structure (BAMS) of SS304L and SS308L Fabricated by Hybrid Manufacturing Process", *Transactions of the Indian Institute of Metals*, Aug 2022.  
[IF 1.39, SJR 0.34, H- Index 35]  
<https://link.springer.com/article/10.1007/s12666-022-02695-2>
124. A. Vijay Bhaskar, "Design and implementation of congestion aware router for network-on-chip", *Integration*, Vol. 88, pp. 43-57, Jan 2023  
[IF- 1.34. SJR , H- Index ]  
<https://www.sciencedirect.com/science/article/abs/pii/S0167926022001079>
125. A. Tathababu, "Design and analysis of nonagonal patch unite with rectangular shaped 4-element UWB-MIMO antenna for portable wireless device applications" *Analog Integrated Circuits and Signal Processing*, Feb 2023.  
[IF-1.32. SJR 0.31, H- Index 51]  
[file:///C:/Users/R%20and%20D%20Cell/Downloads/s10470-023-02138-y%20\(1\).pdf](file:///C:/Users/R%20and%20D%20Cell/Downloads/s10470-023-02138-y%20(1).pdf)
126. G. Vishnu Vardhan, "A Deep Learning-Based Robust Automatic Modulation Classification Scheme for Next Generation Networks", *Journal of Circuits, Systems and Computers*, Oct 2022.  
[IF 1.27, SJR 0.3, H- Index 33]  
<https://www.worldscientific.com/doi/abs/10.1142/S0218126623500676>

127. P.S. Ranjit, "Hybrid Deep Learning-Based Grid-Supportive Renewable Energy Systems for Maximizing Power Generation Using Optimum Sizing", Electric Power Components and Systems, May 2023

[IF-1.27, SJR 0.37, H- Index 58]

<https://www.tandfonline.com/doi/full/10.1080/15325008.2023.2201249>

128. P.S. Ranjit, "Optimal Configuration Planning of Multi-Energy Systems using Optimization-based Deep Learning Technique", Electric Power Components and Systems, April 2023.

[IF-1.27, SJR 0.37, H- Index 58]

<https://www.tandfonline.com/doi/full/10.1080/15325008.2023.2199750>

129. A. Tathababu, "Asymmetrical fed Calendula flower-shaped four-port 5G-NR band (n77, n78, and n79) MIMO antenna with high diversity performance", International Journal of Microwave and Wireless Technologies, July 2022.

[IF 1.09, SJR 0.32, H- Index 24]

<https://www.cambridge.org/core/journals/international-journal-of-microwave-and-wireless-technologies/article/abs/asymmetrical-fed-calendula-flowershaped-fourport-5gnr-band-n77-n78-and-n79-mimo-antenna-with-high-diversity-performance/CDB9CD2909D1BA9395FC43476686F391#>

130. A. Tathababu, "A detailed insight of  $2 \times 2$  high isolation wideband dual notched band MIMO antenna with evolution initiated by theory of characteristics mode", International Journal of Microwave and Wireless Technologies, Feb 2023.

[IF-1.09, SJR 0.34, H- Index 27]

<https://www.cambridge.org/core/journals/international-journal-of-microwave-and-wireless-technologies/article/abs/detailed-insight-of-2-2-high-isolation-wideband-dual-notched-band-mimo-antenna-with-evolution-initiated-by-theory-of-characteristics-mode/57DA3900EFB5E88F066AB2E9C058D0AE>

131. V. Ravi Kishore, "Security enhancement in wireless sensors using blockchain technology", International Journal of Electronic Security and Digital Forensics, Vol.15, No.5, Jan 2023.

[IF-0.8, SJR 0.24, H- Index 16]

<https://dl.acm.org/doi/abs/10.1504/ijesdf.2023.133194>

132. A. Tathababu, "Design and modal analysis of dual-slot circular patch antenna for ultra-wideband applications", Journal of Optoelectronics and Advanced Materials, Vol.24, Aug 2022.

[IF 0.5, SJR 0.15, H- Index 50]

<https://joam.inoe.ro/articles/design-and-modal-analysis-of-dual-slot-circular-patch-antenna-for-ultra-wideband-applications/fulltext>

## International Journal: (Scopus Indexed)

1. V. Venkat Kumar, "Radical of Filters of Transitive Be-Algebras", Palestine Journal of Mathematics, Vol.11, No.2, June 2022  
[SJR 0.15, H- Index 3]  
[https://pjm.ppu.edu/sites/default/files/papers/PJM\\_May\\_2022\\_243\\_to\\_255.pdf](https://pjm.ppu.edu/sites/default/files/papers/PJM_May_2022_243_to_255.pdf)
2. Y. Naga Lakshmi, "Land use and Land Cover Change Detection in East Godavari District, India (2002-2020)", Asian Journal of Agricultural Extension, Economic & Sociology, Vol.40, No.9, June 2022  
[NAAS-4.86]  
<file:///C:/Users/R%20and%20D%20Cell/Downloads/31002-Article%20Text-57909-1-10-20220620.pdf>
3. Sandip Kunar, "Tribological enhancement of modified jatropha oil by activated carbon nanoparticle for metalworking fluid application", Jurnal Tribologi, Vol.33, July 2022.  
[SJR 0.26, H- Index 5]  
[https://www3.utm.edu.my/care/proceedings/merd20/pdf/10\\_Surface\\_Engineering\\_and\\_Tribology/150-p348-349.pdf](https://www3.utm.edu.my/care/proceedings/merd20/pdf/10_Surface_Engineering_and_Tribology/150-p348-349.pdf)
4. K. Ayyappa Swamy, "Short-term uncleaned signal to noise threshold ratio based end-to-end time domain speech enhancement in digital hearing aids", Indonesian Journal of Electrical Engineering and Computer Science, Vol.27, No. 1, July 2022.  
[SJR 0.28, H- Index 23]
5. P.V. Elumalai, "Numerical analysis of modified crossbreed engine cycle under BS VI norms", International Journal of Ambient Energy, July 2022.  
[SJR 0.42, H- Index 30]
6. B. Rama Mohan Reddy, "Stabilization of soils with nanoclay subjected to freeze-thaw cycles", Nanotechnology for Environmental Engineering, Sep 2022  
[SJR 0.56, H- Index 18]
7. P. Satish, "Magnetohydrodynamic Radiative Simulations of Eyring–Powell Micropolar Fluid from an Isothermal Cone", International Journal of Applied and Computational Mathematics, Vol.8, No.5, Aug 2022.  
[SJR 0.35, H- Index 22]  
<https://link.springer.com/article/10.1007/s40819-022-01436-9>

8. M. Vamsi Krishna, "Reliable Epidemic Outbreak Prevention in Opportunistic IoT Based On Optimized Block Chain", International Journal of Intelligent Systems and Applications in Engineering, Vol.10, No.3, Oct 2022.

[SJR 0.16, H- Index 2]

<https://ijisae.org/index.php/IJISAE/article/view/2169>

9. A. Lakshmana Rao, "Life Expectancy Prediction through Analysis of Immunization and HDI Factors using Machine Learning Regression Algorithms", International Journal of online and Biomedical Engineering, Vol.18, No.13, Oct 2022.

[SJR 0.28, H- Index 10]

10. N. Ram Babu, "Influence of solar and solid oxide fuel cell in AGC learning by utilizing spotted hyena optimized cascade controller", International Journal of Energy and Environmental Engineering, Nov 2022

[SJR 0.71, H- Index 35]

<https://link.springer.com/article/10.1007/s40095-022-00547-9>

11. Sandip Kumar, "Analysis of Microsurface Characteristics during Micro-Electrochemical Texturing on Stainless Steel", Key Engineering Materials, Vol.933, Oct 2022.

[SJR 0.2, H- Index 55]

<https://www.scientific.net/KEM.933.107>

12. Sandip Kumar, "Rice Husk Ash Reinforced Aluminium Metal Matrix Composites: A Review", Materials Science Forum, Vol. 1070, Oct 2022..

[SJR 0.21, H- Index 81]

<https://www.scientific.net/MSF.1070.55>

13. G. Sridevi, "Fractional-order Diffusion based Image Denoising Model", International Journal of Electrical and Electronics Research, Vol.10, No.4, Oct 2022.

<https://ijeer.forexjournal.co.in/archive/volume-10/ijeer-100413.html>

14. Abhishek kumar Tripathi, "Output Power Prediction of Solar Photovoltaic Panel Using Machine Learning Approach", International Journal of Electrical and Electronics Research, Vol.10, No.4, Oct 2022.

15. M. Bala Prabhakar, "Maximal Ideals of Transitive BE-Algebras", Jordan Journal of Mathematics and Statistics, Vol.15, No.1, Mar 2022.

[SJR 0.17, H- Index 4]

<https://journals.yu.edu.io/jjms/Issues/Vol15No12022PDF/1.pdf>

16. P. S. Ranjit, “Adverse effect of rainfall on aerodynamic characteristics for different NACA airfoil configurations—A comprehensive review”, International Journal on Interactive Design and Manufacturing, Dec 2022

[SJR 0.49, H- Index 28]

17. M. V. Rajesh, “Intensive Analysis of Routing Algorithm Detection over Mobile Ad hoc Network Using Machine Learning”, International Journal of Electrical and Electronics Research, Vol.10, No.4. Nov 2022.

[SJR 0.2, H- Index 3]

<https://ijeer.forexjournal.co.in/papers-pdf/ijeer-100435.pdf>

18. Sandip Kumar, “Investigation into Linear Micropattern Generation using Electrochemical Micromachining”, Journal of Engineering Science and Technology Review, Vol.15, No.5, Dec 2022.

[SJR 0.22, H- Index 31]

<https://web.p.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=17912377&AN=160344744&h=yQXJPmyakUAyWCN2iv0ngI6lYL700c8yfAIdlTUjwCsUsFgthBdQ0KygpsNciX0igSm2ag4nMboHroemN9LSmg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d17912377%26AN%3d160344744>

19. A. Tathababu, “Design and Characteristic Mode Analysis of a Pentagon-Shaped UWB Antenna”, Telecommunications and Radio Engineering, Vol.81, No.11, Dec 2022.

[SJR 0.16, H- Index 20]

<https://www.dl.begellhouse.com/journals/0632a9d54950b268,5d233aea45bb80b2,2011925d26fc5a13.html>

20. N. Rambabu, “Bird Swarm Algorithm Optimized TIDD Controller for Multi-area Load Frequency Control Application”, SN Computer Science, Jan 2023.

<https://link.springer.com/article/10.1007/s42979-022-01556-5>

21. B. Ramamohana Reddy, “Investigation on the accelerated pavement test track (APTT) in the development of road network using geopolymer concrete”, Cleaner Materials, Vol.4, June 2022.

<https://www.sciencedirect.com/science/article/pii/S277239762200034X>



22. D. V. N. Koteswara Rao, "A Compact Novel Lamp Slotted WLAN Band Notched UWB Antenna Integrated with Ku Band", Progress In Electromagnetics Research C, Vol.129, Jan 2023.

<file:///C:/Users/R%20and%20D%20Cell/Downloads/22111703.pdf>

23. S. Sandip Kumar, "Physical Properties of New Formulation of Hybrid Nanofluid-based Minimum Quantity Lubrication (MQL) from Modified Jatropha Oil as Metalworking Fluid", Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, Vol.101, No.1, Jan 2023.

[https://semarakilmu.com.my/journals/index.php/fluid\\_mechanics\\_thermal\\_sciences/article/view/1128/883](https://semarakilmu.com.my/journals/index.php/fluid_mechanics_thermal_sciences/article/view/1128/883)

24. M.V.Rajesh, "Artificial Intelligence Biosensing System on Hand Gesture Recognition for the Hearing Impaired", International Journal of Operations Research and Information Systems, Vol. 13, No.2, Nov 2022.

<https://www.igi-global.com/article/artificial-intelligence-biosensing-system-on-hand-gesture-recognition-for-the-hearing-impaired/306194>

25. A. Tathababu, "Compact 'q'-Shaped Connected Ground 4-Element MIMO Antenna for X-Band Applications", Progress In Electromagnetics Research C, Vol.130, Feb 2023

[SJR 0.34, H- Index 37]

26. A. Sirisha Bhadrakali, "Experimental investigation and process parameter optimization in cold metal transfer welding for SS304L using response surface method", Engineering Research Express, Vol.5, No.1, Mar 2023.

[SJR 0.28, H- Index 14]

<https://iopscience.iop.org/article/10.1088/2631-8695/acbd86/pdf>

27. A. Sirisha Bhadrakali, "A hybrid approach consisting of multi-objective and multivariate analyses for WAAM specimens", Engineering Research Express, Vol.5, No.2, April 2023.

[SJR 0.28, H- Index 14]

<https://iopscience.iop.org/article/10.1088/2631-8695/acc9fd/pdf>

28. Adari, S.K., Urmila, P., Bharathi, K.P.P, “Thermal properties of conductive concrete using graphite powder and steel fibers”, Journal of Building Pathology and Rehabilitation, Vol.8, No.1, Nov 2022  
<https://link.springer.com/article/10.1007/s41024-022-00254-2>
29. Abhishek Kumar Tripathi, “The Use of Hybrid Solar Energy to Supply Electricity to Remote Areas: Advantages and Limitations”, Vol.10, No.2, Mathematical Modelling of Engineering Problems, April 2023, pp. 727-732.  
<https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=23690739&AN=164033612&h=7k9VnR5rjQd8XwY8dJLx5YjFjsZxQvFw97Vc9GuOnLGjbwXfRAwUo8Au3MNKkayk25iKQ8YqW8MPR4%2bhS4H3KAw%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d23690739%26AN%3d164033612>
30. Karan, B. “Speech-Based Parkinson’s Disease Prediction Using XGBoost-Based Features Selection and the Stacked Ensemble of Classifiers”, Journal of The Institution of Engineers (India): Series B, Vol. 104, No.2, January 2023.  
<https://link.springer.com/article/10.1007/s40031-022-00851-2>
31. Tripathi, A.K., Aruna, “New Approach for Monitoring the Underground Coal Mines Atmosphere Using IoT Technology”, Instrumentation Measure Metrologie, Vol. 22, No. 1, pp. 29-34, Feb 2023  
<https://www.proquest.com/openview/119cd656134504942c9b0ce2f6999cbb/1?pq-origsite=gscholar&cbl=2069458>
32. Rama Reddy, “Efficient adaptive enhanced adaboost based detection of spinal abnormalities by Machine learning approaches”, Biomedical Signal Processing and Control, Vol. 80, February 2023  
<https://www.sciencedirect.com/science/article/abs/pii/S1746809422008217>
33. V. Balaji, “Deep Transfer Learning Technique for Multimodal Disease Classification in Plant Images”, Contrast media & molecular imaging, Vol. 2023, May 2023  
<https://www.hindawi.com/journals/cmami/2023/5644727/>

34. V. V.Kamesh, “Applications of Artificial Neural Network Simulation for Prediction of Wear Rate and Coefficient of Friction Titanium Matrix Composites”, Materials Research, Vol. 26, Feb 2023  
<https://www.scielo.br/j/mr/a/4W4MbmzrSGjDH3cQPSWQsBM/?format=pdf&lang=en>
35. B. Ramamohan reddy, “Influence of slag content and glass fibers on microstructure, durability and mechanical properties of geopolymer composites”, Asian Journal of Civil Engineering, May 2023  
<https://link.springer.com/article/10.1007/s42107-023-00682-6>
36. I Veeranjanyulu, I., “Investigation of Mechanical Properties and Microstructure of AZ31-SiC-Graphite Hybrid Nanocomposites Fabricated by Bottom Pouring-Type Stir Casting Machines”, Advances in Materials Science and Engineering, Jan 2023  
<https://www.hindawi.com/journals/amse/2023/3402348/>
37. A. Tathababu, “Characteristic mode analysis of two port semi-circular arc-shaped multiple-input-multiple-output antenna with high isolation for 5G sub-6 GHz and wireless local area network applications’, International Journal of Communication Systems, Vol. 35, No. 14, 25 June 2022.  
<https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5257>
38. Durgesh Nandan, “Analysis and simulation of even-level quasi-Z-source inverter”, International Journal of Electrical and Computer Engineering, Vol 12, No. 4, pp. 3477-3484, Aug 2022.  
<https://ijece.iaescore.com/index.php/IJECE/article/view/24991>
39. M. Srikanth, “Effect of Reinforcement on Tensile Characteristics in AA 5052 with ZrC and Fly Ash-Based Composites”, Advances in Materials Science and Engineering, Vol 2022, Sep 2022  
<https://downloads.hindawi.com/journals/amse/2022/7070304.pdf>
40. B.V.V.L Kala Bharathi, “Optimizing the Parameters of Zirconium Carbide and Rice Husk Ash Reinforced with AA 2618 Composites’, Advances in Materials Science and Engineering, Vol 2022, Sep 2022  
<https://downloads.hindawi.com/journals/amse/2022/1962523.pdf>

41. Elumalai, P.V., “Investigation and Process Parameter Optimization on Wire Electric Discharge Machining of Aluminium 6082 Alloy”, Advances in Materials Science and Engineering, Vol 2022, Sep 2022  
<https://www.proquest.com/openview/ce43cb37b31507f007cb564863dc195b/1?pq-origsite=gscholar&cbl=237351>
42. G. Kirankumar, “Analysis of effective parameters of building’s glazing on energy savings and carbon emission mitigation prospective”, International Journal of Ambient Energy, Vol 43, No 1, pp. 8959-8970, Sep 2022  
<https://www.tandfonline.com/doi/full/10.1080/01430750.2022.2111348>
43. Prasad D.V.S.S.S.V, “Effect of Dwell Time on Fracture Load of Friction Stir Spot Welded Dissimilar Metal Joints”, Advances in Materials Science and Engineering, Vol 2022, Aug 2022  
<https://www.hindawi.com/journals/amse/2022/2163507/>
44. K. Bapayya Naidu, “Analysis of Hadoop log file in an environment for dynamic detection of threats using machine learning”, Measurement: Sensors, Vol.24, Dec 2022.  
<https://www.sciencedirect.com/science/article/pii/S2665917422001799>
45. Ch. Venkata Sivaram Prasad, “Analysis of Wearable Sensor Electronics and Wireless Health Monitoring Systems”, International Journal of Intelligent Systems and Applications in Engineering, Vol.11, No.2, Feb 2023  
[SJR 0.23, H- Index 9]  
<https://ijisae.org/index.php/IJISAE/article/view/2605>
46. I. Veeranjanyulu, “Enhancing the Mechanical Properties of AZ31D Alloy by Reinforcing Nanosilicon Carbide/Graphite”, Journal of Nanomaterials, Vol 2023, May 2023.  
[SJR 0.52, H- Index 90]  
<https://www.hindawi.com/journals/jnm/2023/6553200/>
47. V. Venkat Kumar, “Minimal Prime Filters of Commutative BE-Algebras”, Algebraic Structures and their Applications, Vol.10, No.1, Feb 2023.  
[SJR 0.17, H- Index 3]  
[https://as.yazd.ac.ir/article\\_2840.html#:~:text=Some%20properties%20of%20minimal%20prime,filters%20to%20become%20co%2Dmaximal.](https://as.yazd.ac.ir/article_2840.html#:~:text=Some%20properties%20of%20minimal%20prime,filters%20to%20become%20co%2Dmaximal.)

48. P. Bala Srinivas, “Heart Disease Classification/Prediction: A Review”, Revue d'Intelligence Artificielle, Vol.37, No.2, April 2023.

[SJR 0.3, H- Index 17]

<https://www.iieta.org/journals/ria/paper/10.18280/ria.370213>

49. R. Suneetha, “Hybrid Multi-Strategy Aquila Optimization with Deep Learning Driven Crop Type Classification on Hyperspectral Images”, Computer Systems Science and Engineering, Vol.47, No.1, May 2023

<https://www.techscience.com/csse/v47n1/52991>

### **Scopus Indexed International Conferences:**

1. M. Zubairuddin, "Thermal Analysis of Laser Welding of 316L Steel", International Conference on Intelligent Manufacturing & Energy Sustainability, Malla Reddy College of Engineering and Technology Hyderabad, 24-25 June 2022.
2. M. Zubairuddin, "Thermal Analysis of Thin P91 Steel using Flex PDE and SYSWELD", 2<sup>nd</sup> International Conference & Exposition on Advances in Mechanical Engineering, Pune, 23-25 June 2022.
3. M. Vamsi Krishna, "Machine Learning on the Role of Eliminating Human Error on the Manufacturing Industry", 6<sup>th</sup> International Conference on Trends in Electronics and Informatics, SCAD College of Engineering , Tirunelveli, 15-16, July 2022.
4. A. Lakshmanarao, "Stock Price Prediction using Deep Learning and FLASK", 2<sup>nd</sup> International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, St. Joseph's College, Chennai, 15-16, July 2022.
5. S. Sushma, "Efficient Integrity Checking and Secured Data Sharing In Cloud", 2<sup>nd</sup> International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, St. Joseph's College, Chennai, 15-16, July 2022.
6. M. Sandra Carmel Sophia, " 'Realia' as a teaching tool to enhance 'speaking' skill", International Conference on Language and Literature: Cultural and Pedagogical Perspectives in the Context of NEP 2020, Govt Degree College For Women, Begumpet, 23-24, June 2022.
7. Yashu Swami, "Covid-19 Contactless Remedies for Students in Educational Institutes", 1<sup>st</sup> International Conference on Recent Developments in Electronics and Communication Systems, Aditya Engineering College, Surampalem, 22-23 July 2022.
8. G. Sridevi, "Fractional-order Diffusion based Image Denoising Model", 1<sup>st</sup> International Conference on Recent Developments in Electronics and Communication Systems, Aditya Engineering College, Surampalem, 22-23 July 2022.
9. A. Sirisha Bhadrakali, "Microstructure and Mechanical properties of the Bimetallic Wire are Additively Manufactured Structure (BAMS) of SS304L and SS308L Fabricated by Hybrid Manufacturing Process", International Conference on Additive Manufacturing and Allied Technologies, NIT Trichy, 10-11, June 2022.
10. L. Satish, "Student Placement Prediction using Machine Learning Models", 1<sup>st</sup> International Conference on Recent Developments in Electronics and Communication Systems, Aditya Engineering College, Surampalem, 22-23 July 2022.

11. T.S. Ch. U.S.R. Bhupathi, "A Cloud Based Approach for the Classification of oral Cancer Using CNN and RCNN", 1<sup>st</sup> International Conference on Recent Developments in Electronics and Communication Systems, Aditya Engineering College, Surampalem, 22-23 July 2022.
12. Y. Yamini Devi, "Design of speed and area efficient nonlinear carry select adder (NLCSLA) architecture using XOR less adder module", 7<sup>th</sup> International Conference on Micro-Electronics, Electromagnetics and Telecommunications, Vishnu Engineering College, Bhimavaram, 22-23, July 2022.
13. M. V. Rajesh, "A New Model that Figures out Sub-Emotionality and the Changes in IT over Time", 1<sup>st</sup> International Conference on Recent Developments in Electronics and Communication Systems, Aditya Engineering College, Surampalem, 22-23 July 2022.
14. P. S. Ranjit, "Technical challenges and opportunities for milk chilling unit based on vapor absorption refrigeration systems", Materials Today: Proceedings Sep 2022.
15. P. S. Ranjit, "Effect of ethanol-diesel blend on compression ignition engine: A mini review", Materials Today: Proceedings Sep 2022.
16. P. S. Ranjit, "Blending of ethanol with gasoline and diesel fuel - A review", Materials Today: Proceedings Oct 2022.
17. T. Ramareddy, "CNN based Animal Repelling Device for Crop Protection", 1<sup>st</sup> International Conference on Recent Developments in Electronics and Communication Systems, Aditya Engineering College, Surampalem, 22-23 July 2022.
18. Ch. Amarendra, "Mutated PSO Tuned PID parameters for SEPIC Converter", 1<sup>st</sup> International Conference on Recent Developments in Electronics and Communication Systems, Aditya Engineering College, Surampalem, 22-23 July 2022.
19. Ch. Amarendra, "Solar Energy Based Intelligent Animal Reciprocating Device for Crop Protection using Deep Learning Techniques", 5<sup>th</sup> International Conference on Computational Intelligence & Data Engineering, VIT-AP University, 12-13, Aug 2022.
20. D.Raviteja, "Effect of Temperature on Dynamic Characteristics of Carbon-Kevlar Fiber Reinforced Composites", 1<sup>st</sup> International Conference on Modern Materials for Engineering and Research, Sengunthar Engineering College, Tiruchengode, 29-30, Sep 2022.
21. B. Ram Mohan Reddy, "A Comprehensive Review of Concrete Containing Magnetically Treated Water", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
22. S. Pachaiappan, "Free Vibration Analysis of FGM Beam By Numerical Analysis", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.

23. S. Govindarajan, "Experimental Study on the Behaviour of Anti-Crack W70Ar Glass Fiber Reinforced Concrete", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
24. P. Laxminarayana, "Flow Structures Around Proposed Bridge Piers", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
25. R. Giriprasad, "Acoustic or Sonic Log Analysis Identifying the Subsurface Geophysical Changes in Hydrocarbon Bearing Zones in oil and Gas Potential Sedimentary Basins", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
26. P.Lakshmi, "A Comparative Study of Effect of Phytoremediation of Domestic Wastewater Using *Canna indica* Vs. *Phragmites Australis* in Constructed Wetland", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
27. B.Ramsagar, "A Review on Development of Layered Concrete", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
28. P. Shiva Kumar, "Marphometric Analysis of Drainage Basin Using Gis in Peddapuram Revenue Division, East Godavari Dist., Andhra Pradesh", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
29. B.Manikanta, "Evaluation of the Impact of Future luic on the Upper Pennar Basin", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
30. N.Bhaskara Rao, "Experimental Investigation on Vitriified Polish Waste and Rice Husk Ash as a Partial Replacement of Cement", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
31. K.K.Yaswanth, "Predicting the Compressive Strength of Ggbs of Based Engineered Geopolymer Composites using Ann and Svr", 1<sup>st</sup> International Conference on Innovative, Sustainable Materials & Technologies, Aditya Engineering College, Surampalem, 14-15, Oct 2022.
32. G. Chinna Ram, "Energy efficient tubular solar still for augmented yield using electrical heater", International Conference on Energy Storage Technology and Power Systems, 25–27 February 2022, Guilin, China.
33. Abhishek kumar Tripathi, "Assessment of iron potential and its economic viability at Salem Namakkal iron ore complex Tamil Naidu using magnetic and remote sensing survey", International Conference on Advancement in Computation and Computer Technologies, 30-31 Oct 2021, AIP Conference Proceedings, Nov 2022.



34. R. Giriprasad, "Mechanical properties of 304 stainless steel plates and friction stir welded Al 2219 alloy", Materials Today: Proceedings, Jan 2022.
35. G. Ganesh, "Smart graphene for potable water technology", 5th Edition of World Nanotechnology Conference, 21-22, Sep 2022, Magnus Group, France.
36. S. Neelima, "An Efficient and Reliable Data Dissemination among Autonomous cars through Cluster Based Relaying in VANETS", 1<sup>st</sup> International Conference on Recent Developments in Electronics and Communication Systems, Aditya Engineering College, Surampalem, 22-23 July 2022.
37. S.D.V.V.S. Bhimeswar Reddy, "Effect of fuel flow analysis on a ECU controlled RCCI engine with ETBE blends", Materials Today: Proceedings, Nov 2022
38. A.S.S. Sitaram Murthy, "Performance and Emission Characteristics of natural gas in Diesel Engine using ML Techniques", International Conference on Innovations in Robotics, Intelligent Automation and Control, Sri Krishna College of Engineering and Technology, Coimbatore, 14, Oct 2022.
39. S. Anjani Devi, "Investigations of Retarded Timings On Working Characteristic Of Biodiesel Operated LHR Engine Using ANN", ", International Conference on Innovations in Robotics, Intelligent Automation and Control, Sri Krishna College of Engineering and Technology, Coimbatore, 14, Oct 2022.
40. K. Rakesh Varma, "Investigation of Nano composite heat exchanger annular Pipeline flow using CFD analysis for Crude Oil and Water characteristics", International Conference on Innovations in Robotics, Intelligent Automation and Control, Sri Krishna College of Engineering and Technology, Coimbatore, 14, Oct 2022.
41. G. Vishnu Vardhan, "Design And Implementation Of Digital Clock Manager Based Pseudo -True Random Number Generator", 3<sup>rd</sup> Global Conference for Advancement in Technology, Nagarjuna College of Engineering & Technology, Bangalore, 7-9 Oct 2022.
42. A. Tathababu, "Design, Analysis and Experimental Verification of 4-Element MIMO Antenna for 5G Sub:6 GHz N77/N78 and N79 band Applications", IEEE Microwaves, Antennas and Propagation Conference, Imarc and InCAP, Bengaluru, 13-15 Dec 2022.
43. A. Tathababu, "Fractal Based 8-Element Multiple Input Multiple Output (MIMO) Antenna for 5G Sub: 6 GHz and WLAN Applications", IEEE Microwaves, Antennas and Propagation Conference, Imarc and InCAP, Bengaluru, 13-15 Dec 2022.
44. A. Phani Sridhar, "Bridge Health Smart Monitoring System Using IOT", International Conference on Artificial Intelligence and Data Science, Hinweis Research, Bengaluru, 8 Oct 2022.
45. A. Lakshmanarao, "Airline Twitter Sentiment Classification using Deep Learning Fusion", International Conference on Smart Generation Computing, Communication and Networking, Ghousia College of Engineering, Karnataka, 23-25 Dec 2022.
46. G. Uma Mahesh, "Survey on Various Security Issues Associated With Cloud Authentication Techniques", 2<sup>nd</sup> International Conference on Intelligent Systems and Sustainable Computing, Malla Reddy University, HYD, 16-17 Dec 2022.

47. S Prasanth Vaidya, "Deep Facial Diagnosis using Deep Learning", 4<sup>th</sup> Springer International Conference on Data, Engineering & Applications, Oriental Institute of Science & Technology, Bhopal, 23-24, Dec 2022
48. M. Venkatesh, "A Novel Deep Learning Mechanism for Workload Balancing in Fog Computing", International Conference on Automation, Computing and Renewable Systems, Mount Zion College of Engineering and Technology, Pudukkotai, 13-15 Dec 2022.
49. V. Srinivasa Rao, "Taxonomy on DSP based Islanding Detection Techniques in Micro Grid", 5<sup>th</sup> International Conference on Smart Systems and Inventive Technology, Francis Xavier Engineering College, Tirunelveli, 23-25, Jan 2023.
50. U. Rajyalakshmi, "Altered Neural Net for Breast Histological Image Categorization", International Conference on Intelligent and Innovative Technologies in Computing Electrical and Electronics, B.N.M Institute of Technology, Bengaluru, 27-28 Jan 2023
51. N. Akhila, "Mobile Application for Water Management and Monitoring System in Residential Building" International Conference on Futuristic Technologies, S.G Balekundri Institute of Technology, Belagavi, Karnataka, 25-27 Nov 2022.
52. K. Sandhya Rani, "Implementation of Nearest Vector Control and Nearest Level Control for Three Phase, Five Level CHB MLI with WAVECT Controller", International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems, VNR Vignana Jyothi Institute, HYD, 28-30 Dec 2022
53. M.V. Rajesh, "An Efficient Machine Learning Classification Model for Credit Approval", 3<sup>rd</sup> International Conference on Artificial Intelligence and Smart Energy, JCT College of Engineering, Coimbatore, 2-4 Feb 2023.
54. N. Rambabu, "Effect of PWTS and AHVDC link on Multi-Area AGC System Considering TIDD Controller", IEEE Silchar Subsection Conference (SILCON) 2022, NIT, Silchar, 4-6 Nov 2022.
55. M. Zubairuddin, "Finite Element Analysis of Laser Welding of 304L butt Joint", International Conference on Advanced Technologies in Chemical, Construction and Mechanical Sciences, KPR Institute of Engineering & Technology, Coimbatore, 9-10 Feb 2023.
56. U. Rajyalakshmi, "Novel Neural Network for Breast Cancer Diagnosis", 5<sup>th</sup> IEE International Conference on Electrical, Computer and Communication Technologies, Velalar College of Engineering & Technology, Erode, 22-24 Feb 2023.
57. B.R.S.S.Raju, "Text Recognition from Images using a Deep Learning Model", International Conference on Augmented Intelligence and Sustainable Systems, CARE College of Engineering, Trichy, 24-26 Nov 2022.
58. Yashu Swami, "Design and Implementation of MAC by Using Efficient Posit Multiplier", 3<sup>rd</sup> IEEE International Conference on VLSI Systems, Architecture, Technology and Applications, Amrita School of Engineering, Bengaluru, 16-17 Dec 2022.

59. D.V.N. Koteswara Rao, "A Novel Dual Band Notched UWB Antenna for Wireless Applications", 3<sup>rd</sup> IEEE International Conference on Artificial Intelligence and Signal Processing, VIT-AP University, Amaravati, 18-20 Mar 2023.
60. Lokesh, D., Sai Durga, M., Sai Phani, N., Varalakshmi, K., Govinda, C., "Modelling and Controlling a Buck Converter Using Shunt Active Power Filter", Advances in Transdisciplinary Engineering, Vol.32, PP-20-24, 2023
61. Satyanarayana Swamy, P.V.V., Veera Narayana, B., Ramachandra Murthy, K.V.S., "Research into Wind Speeds and Energy Generation in India: An Overview", Advances in Transdisciplinary Engineering, Vol.32, PP-31-37, 2023
62. Govinda, C., Ramachandra Murthy, K.V.S., "Parallel Connection of Switches and Capacitors to a Voltage Source in a Multilevel Inverter", Advances in Transdisciplinary Engineering, Vol.32, PP-193-199, 2023
63. Nunna, S.D.S., Raju, B.A., Ramachandra Murthy, K.V.S., "A Nine-Level Symmetrical Multilevel Inverter with Switches", Advances in Transdisciplinary Engineering, Vol.32, PP-419-424, 2023.
64. Vaishnav, S., Bala Srinivas, P., "Continuous Evolution for 5G: Comprehensive Study and Challenges", Advances in Transdisciplinary Engineering, Vol.32, PP-160-166, 2023
65. Vyshnav, A.R.K., Jagadeesh Babu, B., Bala Srinivas, P., "Logarithm and Antilogarithm Converter with Accurate Error Correction", Advances in Transdisciplinary Engineering, Vol.32, PP-126-132, 2023
66. Anusha, G., Sekhar, K.C., Sridevi, B.S., Venkatesh, N., "The Journey of Logarithm Multiplier: Approach, Development and Future Scope", Advances in Transdisciplinary Engineering, Vol.32, PP-98-103, 2023
67. Yuvasri Lakshmi, P., Lavanya, Y., Jagadeesh Babu, B., Sridevi, B.S., "Comparative Analysis of Approximate Integer and Floating-Point Multiplier", Advances in Transdisciplinary Engineering, Vol.32, PP-45-50, 2023
68. Ravi Chandana, D., Joseph, S.M., Gamini, S., "Analysis of Autism Recognition from a Preliminary Symptom", Advances in Transdisciplinary Engineering, Vol.32, PP-600-606, 2023.
69. Urmila, S., Kumar, R.A., Singh, M.K., "Cardiac Surveillance System Using by the Modified Kalman Filter", Communications in Computer and Information Science, Vol.1673, PP-112-122, 2022.
70. Chandana Sri, K., Deepika, Y., Radha, N., Singh, M.K., "Using Convolution Networks to Remove Stripes Noise from Infrared Cloud Images", Communications in Computer and Information Science, Vol.1673, PP-530-539, 2022.

71. Sushma, K., Satyanarayana, V., Singh, M.K., “A Copy and Move Image Forged Classification by Using Hybrid Neural Networks”, Communications in Computer and Information Science, Vol.1673, PP-101-111, 2022
72. Kalyan, M.P., Kishore, D., Singh, M.K., “Local Binary Pattern Symmetric Centre Feature Extraction Method for Detection of Image Forgery”, Communications in Computer and Information Science, Vol.1673, PP-89-100, 2022
73. Tejasri, P.N.S., Anusha, K., Sangeet Kumar, K., Venkatesh, N., Yamini Devi, Y., “Interference-Normalized Least Mean Square Algorithm: A Comparative Study”, Advances in Transdisciplinary Engineering, Vol.32, PP-84-89, 2022.
74. Singh, M.K., Lavanya, D., Asha Madhuri, C., Ramesh, P., Satyanarayana, V., “Improving Speech Quality Using Deep Neural Network-Based Manipulation of Cepstral Excitation”, Advances in Transdisciplinary Engineering, Vol.32, PP-340-346, 2022.
75. Jayanth, K.O.L.N., Veerapandu, G., Gamini, S., Yamini Devi, Y., “Cloud Enabled Architecture of 5-G Small Cell Network’, Advances in Transdisciplinary Engineering, Vol.32, PP-334-339, 2022.
76. Raghava, M., Veerapandu, G., Rama Naidu, G., “A Study on Chebyshev Filter Design by Using CSD”, Advances in Transdisciplinary Engineering, Vol.32, PP-516-521, 2022
77. Surya Prakash, S., Joseph, S.M., Kishore, D., Yamini Devi, Y, “Stochastic Computing Solutions Challenges and Application”, Advances in Transdisciplinary Engineering, Vol.32, PP-71-77, 2022
78. Singh, M.K., Karthik, M., Ramesh, P., Rama Naidu, G., “Deep Neural Network Inference via Edge Computing: On-Demand Accelerating”, Advances in Transdisciplinary Engineering, Vol.32, PP-557-562, 2022
79. Surya Jyothi, M., Sai Prasanna, S., Prasad, K.L.V., Kumar, S., “Microstrip Antenna for 5G Millimetre-Wave Applications”, Advances in Transdisciplinary Engineering, Vol.32, PP-626-632, 2022
80. Devi, T.V., Satyanarayana, V., Singh, M.K., “An Efficient Hybrid Technique for Automatic License Plate Recognitions”, Advances in Transdisciplinary Engineering, Vol.32, PP-180-186, 2022
81. Jyothi, K.D., Srinivas, P.B., Kumar, S., “A Soft Computing Techniques Analysis for Planar Microstrip Antenna for Wireless Communications”, International Journal of Electrical and Electronics Research, Vol.10, No.3, PP 466-469, 2022.
82. Singh, M.K., Manusha, S., Balaramakrishna, K.V., Gamini, S., “Speaker Identification Analysis Based on Long-Term Acoustic Characteristics with Minimal Performance”, International Journal of Electrical and Electronics Research, Vol.10, No.4, PP-848-852, 2022

83. Ananta Lakshmi, P., Veerapandu, G., Gamini, S., Singh, M.K., "CNN Classification of Multi-Scale Ensemble OCT for Macular Image Analysis", International Journal of Electrical and Electronics Research, Vol.10, No.4, PP-858-861, 2022.
84. Krishna, K.V.S., Manohar, P., Radha, N., Singh, M.K., "Rectifier Acoustical Cardiac Activity Detection Analysis of ECG Signal", International Journal of Electrical and Electronics Research, Vol.10, No.3, PP 438-441, 2022.
85. Singh, M.K., Satya, P.M., Satyanarayana, V., Gamini, S., "Speaker Recognition Assessment in a Continuous System for Speaker Identification", International Journal of Electrical and Electronics Research, Vol.10, No.4, PP 862-867, 2022
86. Narasambika, T., Madhu Manikya Kumar, M., Sekhar, M.S.R., "Security and Privacy Preparation for 5G Services", Advances in Transdisciplinary Engineering, Vol.27, PP 1-6, 2022
87. Prameela Jyothi, R., Sangeet Kumar, K., Singh, M.K., "Finite Impulse Response Filter Growth and Applications", Advances in Transdisciplinary Engineering, Vol.27, PP 13-18, 2022.
88. Sathi Reddy, P., Venkatesh, N., Kumar, S., "Anatomization: IoT Security Issues and Its Future Challenges", Advances in Transdisciplinary Engineering, Vol.27, PP 532-537, 2022
89. Ramadevi, G., Ajay Sankar, G., Singh, M.K., "Role of IoT in Intelligent Agriculture Network System", Advances in Transdisciplinary Engineering, Vol.27, PP 218-223, 2022
90. Priya, M.T., Bala Srinivas, P., Kumar, S., "Challenges and Issues of Load Balancing Algorithms in Cloud System", Advances in Transdisciplinary Engineering, Vol.27, PP 150-156, 2022.
91. Nandana, M.D., Ajay Sankar, G., Singh, M.K., "An Analysis of Advanced Technology for Fingerprint Detection System", Advances in Transdisciplinary Engineering, Vol.27, PP 342-347, 2022
92. Reddy, P.S., Venkatesh, N., Kumar, S., "Analysis of the Use of VR in Medical and Science and Technology" Vol.27, PP 39-44, 2022
93. Nishant, K., Prabha Rani, K., Murthy, K.V.S.R., "Comparative Analysis of Different Topologies of Vienna Rectifier", Advances in Transdisciplinary Engineering, Vol.27, PP 163-168, 2022
94. Chandu, M., Prabha Rani, K., Murthy, K.V.S.R., "Small-Signal Analysis and Voltage Mode Controller Design for Active-Clamp Forward Converter", Advances in Transdisciplinary Engineering, Vol.27, PP 485-490, 2022
95. Durga Sai Surya M, G.N., Prabha Rani, K., Murthy, K.V.S.R., "Effect of Pollution on Insulators in High Voltage Transmission Line", Advances in Transdisciplinary Engineering, Vol.27, PP 400-405, 2022

96. Krishna, P.L., Varalakshmi, K., Ramachandra Murthy, K.V.S., "Study of Speed Control Aspects of DC Motor", *Advances in Transdisciplinary Engineering*, Vol.27, PP 647-652, 2022.
97. Padma, P.V., Varalakshmi, K., Singh, M.K., "Circuit Analysis of Multilevel Converter for High-Power Applications", *Advances in Transdisciplinary Engineering*, Vol.27, PP 194-199, 2022.
98. Vamsi, V., Lavanya, V.U.P., Kumar, S., "Control of Automatic Voltage Regulator Using Hybrid Optimization Techniques", *Advances in Transdisciplinary Engineering*, Vol.27, PP 323-328, 2022
99. Lakshmi, K.T.S., Kishore, D., Kumar, S., "Analysis of Multiplication Based on Vedic Mathematics", *Advances in Transdisciplinary Engineering*, Vol.27, PP 623-628, 2022
100. Aishwarya, G.L., Satyanarayana, V., Singh, M.K., Kumar, S., "Contemporary Evolution of Artificial Intelligence (AI): An Overview and Applications", *Advances in Transdisciplinary Engineering*, Vol.27, PP 130-136, 2022
101. Sree, K.T., Anil Kumar, R., Rama Naidu, G., "A Future Awareness for Healthcare Applications Using Data Mining", *Advances in Transdisciplinary Engineering*, Vol.27, PP 137-143, 2022
102. Mani Kiran, C.V.N.S., Jagadeesh Babu, B., Singh, M.K., "Study of Different Types of Smart Sensors for IoT Application Sensors", *Smart Innovation, Systems and Technologies*, Vol.290, PP 101-107, 2022.
103. D. Raviteja, "Investigations on mechanical behavior of processed MMCs of Al6082 and reinforcement particles B4C by powder metallurgy technique", *Materials Today: Proceedings*, Vol.77, PP-534-539, 2023
104. Sai Swaroop, A., Rama Sree, S. "Network Mechanism Establishment and Authentication Using Digital Certificate Management", *Advances in Transdisciplinary Engineering*, 32, pp. 283-288. RDECS 2022, 9 January 2023
105. Siva Kumar, N., Kiruthika Devi, B.S., "A Detailed Investigation on Forest Monitoring System for Wildfire Using IoT", *Advances in Transdisciplinary Engineering*, Vol. 32, pp. 315-320, RDECS 2022, 9 January 2023
106. Rama Sree, S., Kiruthika Devi, B.S. "Artificial Intelligence Based Fake News Detection Techniques", *Advances in Transdisciplinary Engineering*, Vol. 32, pp. 374-380. RDECS 2022, 9 January 2023
107. Rama Reddy, T., Kiruthika Devi, B.S, "Artificial Intelligence Based System for Securing Computer Networks: A Survey", *Advances in Transdisciplinary Engineering*, 32, pp. 308-314. RDECS 2022, 9 January 2023

108. Vydehi, K., Kiruthika Devi, B.S, “ Face Detection System for Smart Security Application”, Advances in Transdisciplinary Engineering, 32, pp. 651-657, RDECS 2022, 9 January 2023
109. Sathish, L., Sudha Rani, T, “Student Placement Prediction Using Machine Learning Models (KNN, SVM, RF, Logistic Regression), Advances in Transdisciplinary Engineering, 32, pp. 289-295, RDECS 2022, 9 January 2023
110. Phani Sridhar, A., Kiruthika Devi, B.S, “ A Survey on IoT Based Intrusion Detection System and Its Security for Smart Homes”, Advances in Transdisciplinary Engineering, 32, pp. 400-405, RDECS 2022, 9 January 2023
111. Govindaraju, K., Kiruthika Devi, B.S, “Securing Cloud Using Intrusion Detection Systems: A Review”, Advances in Transdisciplinary Engineering, 32, pp. 575-580, RDECS 2022, 9 January 2023
112. Vanathi, A., Kiruthika Devi, B.S, “A Review on IoT Applications in Smart Agriculture”, Advances in Transdisciplinary Engineering, 32, pp. 683-688, RDECS 2022, 9 January 2023
113. Prasanth Vaidya, S., Kiruthika Devi, B.S, “ An Analysis of Intelligent Parking System Using Artificial Intelligence for IoT Applications”, Advances in Transdisciplinary Engineering, 32, pp. 498-503, RDECS 2022, 9 January 2023
114. T. Srinivasarao, “Performance Evaluation of FFT through Adaptive Hold Logic (AHL) Booth Multiplier”, International Conference for Advancement in Technology, ICONAT 2023, 24-26 Jan 2023, Goa.
115. P. Bujjibabu, “An Exploration on Competent Video Processing Architectures”, International Conference for Advancement in Technology, ICONAT 2023, 24-26 Jan 2023, Goa.
116. S.B.G. Tilak Babu, “ Early-Stage Timing Prediction in SoC Physical Design using Machine Learning”, Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023, 5-7 Jan 2023, Chennai.
117. Srinivas Viswanth, V, “Wear behavior analysis on treated AISI 421 stainless steel under dry sliding conditions”, Materials Today: Proceedings, May 2023
118. D.V.S.S.S.V. Prasad, “Effect of parameters and surface analysis on eglin steel by shot blasting method”, Materials Today: Proceedings, Vol. 72, pp. 2833-2836, Jan 2023
119. Ch. Devi, “Damage Assessment in Heritage Structures Using Structural Health Monitoring- A Review”, AIP Conference Proceedings, Vol. 2426, 7<sup>th</sup> Dec 2022.
120. V.S.N.Ch Dattu, “Analysing Analyzing the performance of combined solar photovoltaic power system with phase change material”, Energy Reports, Vol. 8, pp. 43-56, Nov 2022.

121. S. S. Sunaina M, L. S. N. J. Manjusha P, Kishore O, "Virtual Ornament Room Using Haar Cascade Algorithm During Pandemic", Lecture Notes in Networks and Systems, Vol. 400, pp. 233-240, Jun 2022.
122. S.B.G. Tilakbabu, "Machine Learning Based Predicting the Assisted Living Care Needs", Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022, 14-16 Dec 2022, pp. 2141-2146, 2022
123. K. Pavani, "Smart Grid Using Power Internet of Things Architecture", Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022, pp. 2136-2140, 14-16 Dec 2022.
124. S.B.G. Tilakbabu, "Artificial Intelligence in Computer Network Technology in the Big Data Era", Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022, pp. 2131-2135, 14-16 Dec 2022.
125. M.V Rajesh, Kiruthika Devi, B.S, "A Survey on VANET attacks and its Security Mechanisms", PDGC 2022 - 2022 7th International Conference on Parallel, Distributed and Grid Computing, pp. 435-440, 25-27 Nov. 2022
126. A Vijay Bhaskar, "A new method of power analysis of Network-on-Chip using analytical modelling", PDGC 2022 - 2022 7th International Conference on Parallel, Distributed and Grid Computing, pp. 222-227, 25-27 Nov. 2022
127. A Vanathi, Kiruthika Devi, B.S, "A Review on Patients Health Monitoring using IoT and Cloud Technologies", PDGC 2022 - 2022 7th International Conference on Parallel, Distributed and Grid Computing, pp. 1-6, 25-27 Nov. 2022
128. T. Sudha Rani, Kiruthika Devi, B.S, "A Study on Machine Learning Algorithms for Lung Cancer Classification and Prediction", 2022 8th International Conference on Signal Processing and Communication, ICSC 2022, pp. 15-20, 1-3 Dec. 2022
129. P. Srilatha, Kiruthika Devi, B.S, "An Investigation on Smart Crop Protection System Utilizing Internet of Things", 2022 8th International Conference on Signal Processing and Communication, ICSC 2022, pp. 43-48, 1-3 Dec. 2022
130. K.N.S.L. Kumar, Kiruthika Devi, B.S, "Stress Prediction and Detection in Internet of Things using Learning Methods", 4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings, pp. 303-309, 21-23 Sept. 2022
131. N. Akhila, Kiruthika Devi, B.S, "IoT based Women Safety and Security Analysis", 4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings, pp. 288-294, 21-23 Sept. 2022
132. V. Ravi Kishore, Kiruthika Devi, B.S, "Traffic Management Scheduling using Image/Video Processing for Smart Cities", 4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings, pp. 295-302, 21-23 Sept. 2022



133. G. Sridevi, "Random Error Detection and Correction Codes for Multiple Bits 2022 IEEE 3rd Global Conference for Advancement in Technology, GCAT 2022, 7-9 Oct. 2022
134. V. Srinivas Viswanth, "Nitride treated AISI 304 stainless steel under dry sliding conditions", *Materials Today: Proceedings*, Vol. 82, pp-47-52, Nov 2022
135. Sivam Singh, "Active Metal Coated Dual-Side Polished Plasmonic PCF Biosensor", *Lecture Notes in Electrical Engineering*, Vol 911, pp. 85-96, Oct 2022
136. Sivam Singh, "Design of a Dispersion Compensating Hexagonal Photonic Crystal Fiber (DC-HPCF) for High Nonlinearity and Birefringence", *Lecture Notes in Electrical Engineering*, Vol 911, pp. 187-199, Oct 2022
137. P.S Ranjit, "Effect of ethanol-gasoline blend on spark ignition engine: A mini review", *Materials Today: Proceedings*, Vol 69, pp. 564-568, Nov 2022
138. M. Kalyan Ram, "Real-Time Implementation of CNN-Based Face Mask Detection: A Method to Diminish the Risk of COVID-19", *Lecture Notes in Networks and Systems*, Vol 427, pp. 447-456. 2022-23
139. B. Ramamohana Reddy, "Influence on mechanical properties of concrete of cement replacement with fly ash and river sand replacement with foundry sand", *Materials Today: Proceedings*, Vol 65, pp. 3547-3551, Aug 2022
140. G. Rama Naidu, "Residue and Quadratic Residue Number System Based on Converters", *Advanced Production and Industrial Engineering*, Vol. 27, pp. 25-30, 9<sup>th</sup> Nov 2022, ICAPIE 2022
141. A. Sirisha Bhadrakali, "Analyis of SS308L Wire ARC Additive Manufactured Specimens Reinforced With Al<sub>2</sub>O<sub>3</sub>", *International Conference on Innovations and Challenges in Mechanical Engineering*, K.L. University, 15-16 May 2023
142. V V Srimannarayana, "Wind and Solar Hybrid Power Generation for DC grid", 3<sup>rd</sup> *International Conference on Innovative Practices in Technology and Management*, Amity University, Sector-125 Noida, 22-24 Feb. 2023
143. P Laxmi Narayana, "Quantification of Wake Vortices Around Tandem Piers on Rigid Bed Channel", 26<sup>th</sup> *International Conference on Hydraulics, Water Resources and Coastal Engineering*, SVNIT, Surat, 23-25 Dec
144. P. Satish, "Hall Effect on MHD Two Conducting Fluid Slip Flow of Ionized Gases", 3<sup>rd</sup> *International Conference on Material Science, Smart Structures and Applications*, Surya Engineering College, Erode, 27-28 Mar 2023.
145. B. Rambabu, "Techniques in Teaching English as a Second Language", *International Virtual Conference on Perspectives from Basic Science and Humanities*, Narasaraopeta Engineering College, 26-27 May 2023.

146. S. Chandrakala, "Challenges Faced by English Language Teachers in Teaching English to Rural Area Students", International Virtual Conference on Perspectives from Basic Science and Humanities, Narasaraopeta Engineering College, 26-27 May 2023.
147. P.S.D. Bhimaraju, "Stator Inter-turn Short-circuit Fault in 3- $\Phi$  Induction Motors: A Critical Observations", International Scientific Technical Conference Alternating Current Electric Drives, Ekaterinburg, Russia, 23-25, May 2023
148. V V Srimannarayana, "Wind and Solar Hybrid Power Generation for DC grid", International Conference on Innovative Practices in Technology and Management, Amity University, Noida Amity, 22-24 Feb 2023.
149. M. Vamsi Krishna, "Distributed Autonomous Energy Organizations: Concept of Autonomous Energy Grids", 5th International Conference on Current Scenario in Pure and Applied Mathematics, AIP Conference Proceedings, May 2023.
150. J.D Venkatesh, "Experimental investigation of a diesel engine fuelled by graphene nano particle blended sapota biodiesel", International Conference on Materials, Energy and Mechanical Engineering, Vol.2715, AIP Conference Proceedings, May 2023.

#### **National Conferences:**

1. M. Sandra Carmel Sophia, "Cross-Cultural Implications in 'The Scarlet Song' by Mariama Ba", Two-day National Seminar on Andhra Christian College, Guntur, 24-25 June, 2022.
2. G. Sujatha, "Comparative Effect of Saline Water on Tomato (*Lycopersicon Esculentum* mill) Crop Under Drip Irrigation", National Conference on Sustainable Development through Agriculture Production, Protection & Policy Landscape for Crop Care, Just Agriculture-2023, MVN University, Palwal, 18-19 Jan 2023
3. N.R. Dhineshababu, "Triboelectric Nanogenerators: Insights From A Systematic Bibliometric Analysis of Review Article", National Conference on Physics and Chemistry of Materials, Govt Holkar Science College, Indore, 16-18 Mar 2023.

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

1. S. Aruna Kumari, "Biogenic Ag-Ni Bimetallic Nanoparticles from *Croton blanda* and their Biological Applications", Journal of Chemical and Pharmaceutical Sciences, Vol.15, No.2, June 2022.
2. S. Aruna Kumari, "Photocatalytic Degradation of Methylene Blue by Biogenic Ag-Cu Bimetallic Nanoparticles", Journal of Chemical and Pharmaceutical Sciences, Vol.15, No.2, June 2022.

3. Raffiunnisa, "Comparative Analysis of Used/Heated Edible oil as oil-Based Mud in Drilling Operations", Journal of Emerging Technologies and Innovative Research, Vol.10, No.5, May 2023
4. V.V. Srimannarayana, "Interpretation of Radius of Investigation In Composite Reservoir", Journal of Emerging Technologies and Innovative Research, Vol.10, No.4, May 2023