

ADITYA ENGINEERING COLLEGE (A)

Papers published/presented by Faculty in Journals/Conferences

Publications: 2019-20

International Journals (with Impact Factors)	15
International Journals (Scopus)	34
Scopus Indexed International Conferences	38
International Conferences	14
International Journals (UGC Approved)	17
Total	118

Int. Journals (with Impact Factors)

1. Chetan Kumar Hirwani, “Nonlinear Transient Analysis of Delaminated Curved Composite Structure under blast/pulse Load” ‘Engineering With Computers’, May-June 2019. [IF 3.93, SJR 0.66, H-Index 46]

<https://link.springer.com/article/10.1007/s00366-019-00757-6>

2. A. Saravanan, “Heat transfer augmentation techniques in forced flow V-through solar collector equipped with V-Cut and square twisted tape”, International Journal of Thermal Sciences, Volume – 140, June - 2019, Pp. 59 – 70. [IF 3.47, SJR 1.26, H-Index 110]

<https://www.sciencedirect.com/science/article/abs/pii/S1290072916317331>

3. Chetan Kumar Hirwani, “Optimal deflection and stacking sequence prediction of curved composite structure using hybrid (FEM and soft computing)” ‘Engineering with Computers’, Springer Publications - August-2019 [IF 3.93, SJR 0.66, H-Index 46]

<https://link.springer.com/article/10.1007/s00366-019-00836-8>

4. SongithaMisra, “Integrated Features and GMM Based Hand Detector Applied to Character Recognition System Under Practical Conditions”, Multimedia Tools and Applications-Springer - Aug – 2019. [IF 2.31, SJR 0.46, H-Index 59]

<https://link.springer.com/article/10.1007/s11042-019-08105-y>

5. Santosh Kumar Dash, “Euglena Sanguinea algal biodiesel and its various diesel blends as diesel engine fuels: a study on the performance and emission characteristics”, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects Taylor & Fransis, August, 2019. [IF 1.184, SJR 0, H-Index -48]

<https://www.tandfonline.com/doi/full/10.1080/15567036.2020.1798566?needAccess=true>

6. A. Saravanan, “Improving Performance of a Trapezoidal-trough Thermosyphon Solar Collector using Peripherally Wing-cut Swirl Generator”, International Journal of Green Energy (Taylor & Francis), Sept-2019
[IF 1.38, SJR 0.42, H-Index 35,]

<https://www.tandfonline.com/doi/pdf/10.1080/15435075.2019.1671395?needAccess=true>

7. Chetan Kumar Hirwani, “Nonlinear Thermal Free Vibration Frequency Analysis of Delaminated Shell Panel Using FEM” ‘Composite Structures’, Vol. 224, Issue 15, September, 2019
[IF – 5.138 , SJR 1.784, H-Index 143]

<https://www.sciencedirect.com/science/article/abs/pii/S0263822319309730?via%3Dihub>

8. Mahesh Kumar, **DurgeshNandan** and Sanjeev Kumar, Durgeshnandan, “Statistical Analysis of Lower and Raised Pitch Voice Signal and its Efficiency Calculation”, Traitement du Signal, Vol. 36, No. 5, October, 2019, Pp.455-461.
[IF 1.541, SJR 0.28, H-Index 6]

<http://www.iieta.org/journals/ts/paper/10.18280/ts.360511>

9. Chetan Kumar Hirwani, “Theoretical and Experimental modal responses of adhesive bonded T-joints” Wind and Structures, Volume – 29(5), 2019, PP-361-369
[IF 1.45, SJR 0.39, H-Index 37]

<http://www.technopress.org/content/?page=article&journal=was&volume=29&num=5&ordernum=5#>

10. Santhosh Kumar Dash, “Combined adjustment of Injection timing and Compression ratio for an agricultural diesel engine fuelled with Nahar methyi ester”, International Journal of Ambient Energy (Taylor & Francis), January, 2020
[IF 1.74, SJR 0.4, H-Index 23]

<https://www.tandfonline.com/doi/pdf/10.1080/01430750.2020.1712250?needAccess=true>

11. DurgeshNandan, “An efficient antilogarithmic converter by using correction scheme for DSP processor”, Traitement du Signal, Vol. 37, No. 1, February, 2020, Pp.77-83.
[IF 1.541, SJR 0.28, H-Index 6]

<http://www.iieta.org/journals/ts/paper/10.18280/ts.370110>

12. V.Suryanarayana, “Artificial Intelligence and Internet of Medical Things based health care System for Real Time Maternal stress Strategies to Reduce Maternal Mortality Rate”, Drug Invention Today, Vol. 13, No. 7, March, 2020

[IF 0.895, SJR 0.13, H-Index 13]

https://jprsolutions.info/article_detail.php?article_id=5196

13. A. Saravanan, "Performance and emission characteristics of variable compression ratio CI engine fuelled with dual biodiesel blends of Rapeseed and Mahua", Fuel, Elsevier, Vol. 263, March, 2020. [IF 5.223, H-Index 199]

<https://www.sciencedirect.com/science/article/abs/pii/S0016236119321052>

14. P.S.Ranjit, "Impact of Liquid Fuel Injection Timings on Gaseous Hydrogen Supplemented, Preheated Straight Vegetable Oil, (SVO) Operated Compression Ignition Engine", Energy Sources Part A: Recovery: Utilization and Environmental Effects, Taylor & Francis, April, 2020 [IF 1.184, SJR 0, H-Index -48]

<https://www.tandfonline.com/doi/pdf/10.1080/15567036.2020.1745333?needAccess=true>

15. PSV Shanmukhi, "Synthesis and Characterization of $\text{Bi}_{0.9}\text{Ba}_{0.1}\text{FeO}_3$, a nano structures by solution method", Materials Today Proceedings, 2019 [IF 0.576, SJR 0.04, H-Index 27]

Int. Journals (Scopus Indexed)

1. P S V V S Narayana, "A Review on Surface Modifications and Coatings on Implants to Prevent Biofilm", Regenerative Engineering and Translational Medicine, Springer, Vol. 6, pp- 1-17, May-June2019 [SJR 0.38, H-Index 8]

<https://link.springer.com/article/10.1007/s40883-019-00116-3>

2. D.V.L. Prasanna, "A Comparison of Fuzzy Game Matrix Solutions using Defuzzification Methods with a New Method", International Journal of Recent Technology and Engineering (IJRTE), Volume – 8 (1S3), June - 2019, PP-270-273 [SJR 0.11, H-Index 17]

<https://www.ijrte.org/wp-content/uploads/papers/v8i1S3/A10480681S319.pdf>

3. S.B.G.TilakBabu, "Image Fusion using Eigen Features and Stationary Wavelet Transform", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume – 8 (8S3), June - 2019, PP-38-40 [SJR 0.1, H-Index 40]

<https://www.ijitee.org/wp-content/uploads/papers/v8i8s3/H10100688S319.pdf>

4. M Rajasekhar, “An Efficient Method for Segmentation of Noisy and Non-Circular Iris Images Using Optimal Multi Level Threshold,” Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, No. 02, July, 2019

[SJR 0.13, H-Index 17]

<https://www.jardcs.org/abstract.php?id=393#>

5. K.Vydehi, “Machine Learning Techniques for Life Expectancy Prediction”, International Journal of Advanced Trends in Computer Science and Engineering, Vol. 9, No. 4, July-August, 2020

[SJR 0.13, H-Index 11]

<http://www.warse.org/IJATCSE/static/pdf/file/ijatcse45942020.pdf>

6. N. Radha, “Performance Evaluation of Quartet Shift Dual Tree Complex Wavelet Transform Based Multi-focus Image Fusion Using Fusion Rules”, International Journal of Electronics and Communication Engineering (IJECE), Volume – 9(4), August - 2019, Pp. 2377 – 2385.

[SJR 0.59, H-Index 53]

<http://ijece.iaescore.com/index.php/IJECE/article/view/7954/12843>

7. S. Aruna Kumari, “Metallopharmaceuticals: Synthesis, Characterization and Bio Active Studies”, International Journal of Biochemistry and Biophysics, Vol. 56, August 2019.

[SJR 0.64, H Index 18]

<http://nopr.niscair.res.in/bitstream/123456789/49530/3/IJBB%2056%284%29%20325-329.pdf>

8. S.RamaSree, “An Effective Software Effort Estimation based on Functional Points using Soft Computing Techniques”, International Journal Innovative Technology and Exploring Engineering(IJITEE), Volume – 8(10), August - 2019, Pp. 3729 – 3733.

[SJR 0.1, H-Index 40]

<https://www.ijitee.org/wp-content/uploads/papers/v8i10/J96740881019.pdf>

9. N.Selvamalar, “Role of Heuristic Algorithms in Minimizing the Makespan of Fuzzy Flow shop Scheduling Problem”, International Journal Recent Technology and Engineering(IJRTE), Volume – 8(3), September, 2019, Pp. 821 – 826.

[SJR 0.11, H-Index 17]

<https://www.ijrte.org/wp-content/uploads/papers/v8i3/C4026098319.pdf>

10. A Phani Sreedhar, “ An Intelligent IOT Mechanism for Collision Detection and Prevention at Railway Level Crossing”, International Journal of Recent Technology and Engineering, (IJRTE), Vol. 8, No. 2S11, September, 2019

[SJR 0.11, H-Index 17]

<https://www.ijrte.org/wp-content/uploads/papers/v8i2S11/B11750982S1119.pdf>

11. N. Radha, “Hybrid Multi-Focus Image Fusion using Stationary Wavelet Transform and Focus Measures for Visual Sensor Networks”, International Journal of Recent Technology and Engineering (IJRTE), Volume – 8(4), November, 2019, Pp. 3765 – 3769. [SJR 0.11, H-Index 17]

<https://www.ijrte.org/wp-content/uploads/papers/v8i4/D8141118419.pdf>

12. N. Radha, “Stationary Wavelet Transform based Image Fusion using fusion rules”, International Journal of Engineering and Advanced Technology (IJEAT), Volume – 9(2), December, 2019, Pp. 3045 – 3048. [SJR 0.1, H-Index 16]

<https://www.ijeat.org/wp-content/uploads/papers/v9i2/B4110129219.pdf>

13. R.Srinivasa Rao, “Influence of Additives on Surface and Strength Properties of Clayey Soil-an Experimental Study” Indian Journal of Environmental Protection, Volume – 39 (12), December - 2019, PP-1100-1105 [SJR 0.12, H-Index 17]

14. Chetan Kumar Hirwani, “Effect of nano glass cenosphere filler on hybrid composite eigenfrequency responses –an fem approach and experimental verification”, Advances in Nano Research, Volume – 7(6), 2019, Pp. 419 – 429. [SJR 0.78, H-Index 10]

<http://www.technopress.org/content/?page=article&journal=anr&volume=7&num=6&ordernum=4#>

15. Prashant Srivastava, Yogesh Srivastava, Bhagat Singh, Arunkumar Pandey and Durgesh Nandan, “Investigation of Optimal Process Parameters for Laser Cutting of Inconel-718 Sheet”, Proceedings of the Institute of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, December, 2019. [SJR 0.42, H-Index 56]

<https://journals.sagepub.com/doi/abs/10.1177/0954406219895533>

16. Sanjeev Kumar, **DurgeshNandan**, Mahesh Kumar Singh and Ravi Kumar, Durgeshnandan, “A Multiple Band-Notched Monopole Antenna with Incorporated GSM and UWB for Wireless Applications”, International Journal of Advanced Science and Technology (IJAST), Vol. 28, No. 6, 2019, Pp.360-378. [SJR 0.11, H-Index 3]

<http://sersc.org/journals/index.php/IJAST/article/view/1764>

17. Sapna Gupta, Rajeev Gupta, Subhransu Padhee, “Stability and weighted sensitivity analysis of robust controller for heat exchanger”, Control Theory and Technology, Springer, Vol. 18, January, 2020, Pp. 56-71. [SJR 0.5, H-Index 29]

<https://link.springer.com/article/10.1007/s11768-020-9136-z>

18. R.Srinivas, “Chunk by Chunk Irrigation of farm field through wireless sensing technique”, International Journal of Innovative Technology and Exploring (IJITEE), Volume – 9(3), Jan - 2020, Pp. 2101 – 2104. [SJR 0.1, H-Index 40]

<https://www.ijitee.org/wp-content/uploads/papers/v9i3/C9003019320.pdf>

19. T. Saikrishna, “Mechanical properties of glass fibre concrete with different dosages of glass fiber”, International Journal of Recent Technology and Engineering (IJRTE), Volume – 8(5), Jan – 2020. [SJR 0.11, H-Index 17]

<https://www.ijrte.org/wp-content/uploads/papers/v8i5/E6522018520.pdf>

20. V Srinivasa Rao, “Optimal Allocation of UPFC and IPFC in Network Considering Sensitivity of Line Flows under Single Line Contingency”, International Journal of Recent Technology and Engineering, Vol. 8, Issue 5, Jan, 2020

[SJR 0.11, H-Index 17]

<https://www.ijrte.org/wp-content/uploads/papers/v8i5/E6470018520.pdf>

21. Rayudu Srinivas, “Irrigation Made Easy : Block wise Filling of Firm Filed Using WSN System”, International Journal of Scientific and Technology Research, Vol. 9, No. 2, Feb, 2020. [SJR 0.12, H-Index 15]

<http://www.ijstr.org/final-print/feb2020/Irrigation-Made-Easy-Block-Wise-Filling-Of-Farm-Filed-Using-Wsn-System.pdf>

22. Abhishek Kumar Tripathi, “Analysis of Blast Induced Ground Vibration of Under Varying Controlled Blasting Parameter”, International Journal of Recent Technology and Engineering, (IJRTE)Vol. 8, No. 6, March, 2020

[SJR 0.11, H-Index 17]

https://www.researchgate.net/profile/G_D_N_Raju/publication/340174704_Analysis_of_Blast_Induced_Ground_Vibration_under_Varying_Controlled_Blasting_Parameter/links/5e7c77ac458515efa0a91214/Analysis-of-Blast-Induced-Ground-Vibration-under-Varying-Controlled-Blasting-Parameter.pdf

23. Abhishek Kumar Tripathi, “Finding the Occurrence of Chromite Reserve in Mineral Exploration Survey by Using Remote Sensing Technique”, International Journal of Advanced Science and Technology, (IJAST) Vol. 29, No. 7, April, 2020

[SJR 0.11, H-Index 3]

<http://sersc.org/journals/index.php/IJAST/article/view/23338/12048>

24. T Sai Krishna, “Seismic Analysis and Design of G+4 Residential Building by Equivalent Static Analysis Method by Using STAAD Pro”, International Journal of Advanced Science and Technology (IJAST), 29(5), April, 2020.

[SJR 0.11, H-Index 3]

<http://sersec.org/journals/index.php/IJAST/article/view/19041/9679>

25. Abhishek Kumar Tripathi, “Study on Load Analysis of Strata Using LOD Cell in Underground Coal Mines”, International Journal of Advanced Science and Technology, (IJAST) Vol. 29(9), May, 2020

[SJR 0.11, H-Index 3]

<http://sersec.org/journals/index.php/IJAST/article/view/22655/11536>

26. VSN Ch Dattu, “Effective Utilization of Plastic Oil on Petrol Engines – A Comprehensive Scrutiny”, TEST Engineering & Management, Vol. 83, May 2020

[SJR 0.1, H-Index 5]

27. DVVSB Reddy Saragada, “Effective Utilization of Pyrolysis Tyre Oil in Petrol Engines: A Comprehensive Review”, TEST Engineering & Management, Vol. 83, May 2020

[SJR 0.1, H-Index 5]

28. Abhishek Kumar Tripathi, “Study of the Dependence of Blast Induced Ground Vibration on Charge per Hole and Rock Strength”, International Journal of Advanced Science and Technology, Vol 29, Issue 9, Page No: 4701-4710, May, 2020.

[SJR 0.11, H-Index 3]

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

29. Mr. V Ravi Kishore, “ Driver Deviation And Drowsiness Detection Alert System” Journal of Xi'an University of Architecture & Technology (JXUAT), Vol. 12(8), 2020.

[SJR 0.17, H-Index 13]

<https://www.xajzkjdx.cn/gallery/62-aug2020.pdf>

30. Ms G Aparna, “Enactment of Deep Learning Methods for Bird Cataloging by Deploying Convolution Neural Networks”, Journal of Critical Reviews, Vol. 7, No. 19, 2020

[SJR 0, H-Index 5]

<https://www.bibliomed.org/?mno=127711>

31. Gayam Sujata, “Studies on Effect of Different Organic Manures on Growth and Yield of Radish”, International Journal of Current Microbiology and Applied Sciences 9(5): 1936-1944., May, 2020. National Academy of Agricultural Sciences (NAAS):

[NAAS Score: *5.38]

<https://www.ijcmas.com/9-5-2020/Gayam%20Sujatha,%20et%20al.pdf>

32. Nilimamayee Samal, Subhransu Padhee, "Role of analytical instruments in forensic science: A pedagogical approach", IETE Journal of Education, Vol. 60, No. 2, 2019, pp. 74-81.

[SJR 0.31, H-Index 29]

<https://www.tandfonline.com/doi/abs/10.1080/09747338.2019.1670101?journalCode=tije20>

33. KVSR Murthy, Ajay Babu B, M. Ramalinga Raju "Optimal Placement of Mini Hydro and Capacitors using Modified Direct Search Algorithm in Distribution system", Internal Journal of Grid and Distributed Computing, Vol. 13, No.1, 2020, Pp. 1762-1771

[SJR 0.14, H-Index 11]

<http://sersc.org/journals/index.php/IJGDC/article/view/27889/15363>

34. V Venkata Kumar, "Regular Filters of Commutative BE-Algebra" TWMS – Journal of Applied and Engineering Mathematics, April, 2020

[SJR 0.164, H-Index 3]

Scopus Indexed International Conferences / (Journal Conferences)

1. S. Santhosh Kumar Dash, "Production of Biodiesel From Jatropha oil Using a Hetrogeneous Catalyst", International Conference on Emerging Trends in Engineering(ICETE), at University College of Engineering, Osmania University, Hyderabad, 22 -23, Mar -2019., Published in Learning and Analytics in Intelligent Systems, July, 2019, Springer.

https://link.springer.com/chapter/10.1007/978-3-030-24314-2_90#:~:text=In%20the%20present%20study%2C%20biodiesel,to%20lower%20the%20FFA%20content.

2. PSVVS Narayana, "Thermal Performance Investigation of MMC Heat Sinks for Low CTE Electronic Components Cooling", 1st International Conference on Manufacturing, Material Science and Engineering, (ICMMSE), CMRIT, Hyderabad, 16-17 August, 2019, Published in AIP Conference Proceedings.

<https://aip.scitation.org/doi/abs/10.1063/1.5141194#:~:text=Results%20show%20that%20for%20GIIC,decreased%20by%201.056%25%20on%20average>

3. Kaki Sowmya, G. Sravya, P. BujjiBabu, DurgeshNandan "Survey on the impact of FSM design for high-performance architecture evaluation", 3rd International Conference on Micro Electronics and Telecommunication (ICMETE 2019), 28th– 29th September, 2019 at SRM Institute of Science and Technology, Ghaziabad / "Lecture Notes in Networks and Systems", Springer.

https://link.springer.com/chapter/10.1007/978-981-15-2329-8_45

- AdurthiVenkataSreehitha, EagalaSaiSravani, A. KondaBabu, DurgeshNandan, "Evaluation and Study of IoT Entrances", 3rd International Conference on Micro Electronics and Telecommunication (ICMETE 2019), 28th– 29th September, 2019 at SRM Institute of Science and Technology, Ghaziabad, Published in "Lecture Notes in Networks and Systems", Springer

https://link.springer.com/chapter/10.1007/978-981-15-2329-8_44#:~:text=The%20main%20important%20element%20in,IoT%20system%20is%20IoT%20gateway.&text=Gateways%20are%20used%20to%20exchange,the%20cloud%20and%20the%20customers.

- S. ShyamaMohana, R. Vasantha Lakshmi, N. Radha, DurgeshNandan, "Periodical Development of Digital Watermarking Technique ", 3rd International Conference on Micro Electronics and Telecommunication (ICMETE 2019), 28th– 29th September, 2019 at SRM Institute of Science and Technology, Ghaziabad, Published in "Lecture Notes in Networks and Systems", Springer.

https://link.springer.com/chapter/10.1007/978-3-030-39119-5_22#:~:text=The%20digital%20watermarking%20has%20two,and%20extracted%20water%20marking%20technique.&text=The%20embedded%20process%20is%20inserting,of%20the%20owner%20%5B2%5D.

- Reddy Rohini, N.V. Satyanarayan, Durgesh Nandan, "A crystal view on FIR Filter design", International Conference on Recent Innovative Trends in Computer Science and Applications, (ICRITCSA-2019), 25-26 October, 2019, Ramiah Institute of Technology, Bengaluru, Published in Journal of Computational and Theoretical Nanoscience, Volume 17(4), Numbers 9-10, September/October 2020, pp. 4235-4238

<https://www.ingentaconnect.com/contentone/asp/jctn/2020/00000017/f0020009/art00075>

- Kaushal Kumar, JitendraKanungo, Ritesh Kumar Mishra, Durgeshnandan, "Compact and Errorless 16-Region Error Correction Scheme for Antilogarithm Converter" , 6th IEEE Uttar Pradesh Section International Conference on Electrical and Computer Engineering (UPCON-2019),09-10, Nov, 2019, AMU Aligarh, Online Feb, 2020, Pp.1-5.

<https://ieeexplore.ieee.org/document/8980240>

- Kaushal Kumar, **DurgeshNandan**, Ritesh Kumar Mishra, Durgeshnandan, "Efficient Hardware of RGB to Gray Conversion Realized on FPGA and ASIC", Third International Conference on Computing and Network Communications (CoCoNet'19), 18th - 21st , December, 2019, IIITM, Trivandrum, 2019 Published in Procedia Computer Science, Elsevier, Vol. 171, Pp. 2008-2015, 2020.

[SJR 0.342, H-Index 59]

<https://www.sciencedirect.com/science/article/pii/S187705092031200X#:~:text=In%20this%20paper%2C%20hardware%20efficient,on%20both%20FPGA%20and%20AS>

[IC.&text=ASIC%20implementation%20of%20proposed%20technique,less%20contrasted%20with%20existing%20design](#)

9. PampanaSaiRamyaa, DurgeshNandan, “Analysis of Security Issues and Possible Solutions in the Internet of Things for Home Automation System”, SOCTA 2019, NIT, Patna, 27-29, Dec, 2019, Published in Advances in Intelligent Systems & Computing (AISC Springer)

https://link.springer.com/chapter/10.1007/978-981-15-4032-5_74

10. M Naga S Suryakiran, W Begum, R S Sudhakar,Sharad Tiwari, “Development of wind energy technologies and their impact on environment: A review”, 2nd International Conference on Power Engineering Computing and Control (PECCON'19), VIT, Chennai, India during December 12 - 14, 2019. Published in “Lecture Notes in Electrical Engineering”, Springer, Sept, 2020.

https://link.springer.com/chapter/10.1007/978-981-15-7245-6_5#:~:text=In%20the%20last%20decade%2C%20it,potential%20to%20accomplish%20energy%20needs

11. A Krishna Chaitanya, ChegondiKarthek, DurgeshNandan, “Study on Real-time Face Recognition and Tracking for Criminal Revealing”, SOCTA 2019, NIT, Patna, 27-29, Dec, 2019, Published in Advances in Intelligent Systems & Computing (AISC Springer)

https://link.springer.com/chapter/10.1007/978-981-15-4032-5_76

12. Perumalla Mani SaiJyothi, DurgeshNandan, “Utilization of the internet of things in agriculture: possibilities and challenges”, SOCTA 2019, NIT, Patna, 27-29, Dec, 2019, Published in Advances in Intelligent Systems & Computing (AISC Springer)

https://link.springer.com/chapter/10.1007/978-981-15-4032-5_75#:~:text=It%20ensures%20the%20connectivity%20of,farmers%20thereby%20increasing%20the%20profits

13. TumpalaKesavaDurga Prasad, YedidaSasiSupritha Devi, S. Krishna, DurgeshNandan, “Analysis of precision agriculture technique by using machine learning and IoT”, SOCTA-2019,NIT, Patna, 27-29, Dec, 2019, Published in Advances in Intelligent Systems and Computing (AISC) Springer

https://link.springer.com/chapter/10.1007/978-981-15-4032-5_77#:~:text=General%20block%20diagram%20of%20precision,a%20camera%20for%20disease%20detection

14. Debashish Mohapatra, BidyadharSubudhi, Pravat Kumar Ray, Subhransu Padhee, “Real-time data acquisition, measurement and monitoring module for electric power network”, 18th IEEE Int. Conf. Information Technology, ICIT 2019, Silicon Institute of Technology, Bhubaneswar, 19th -21st December, 2019.

<https://ieeexplore.ieee.org/abstract/document/9031872>

15. Debashish Mohapatra, Bidyadhar Subudhi, Subhransu Padhee, “Reconfigurable pulse-width modulation control of DC-DC converter”, 18th IEEE Int. Conf. Information Technology, ICIT 2019, Silicon Institute of Technology, Bhubaneswar, 19th -21st December, 2019.

<https://ieeexplore.ieee.org/document/9031929>

16. Kandubothula Vanaja, U. Rajyalaxmi, Durgesh Nandan, “A review on detection of breast cancer cells by using various techniques” SOCTA-2019, NIT, Patna, 27-29, Dec, 2019, Published in Advances in Intelligent Systems and Computing (AISC) Springer

https://link.springer.com/chapter/10.1007/978-981-15-4032-5_73#:~:text=By%20using%20the%20MATLAB%20programming,detect%20breast%20cancer%20in%20mammography.

17. K. Vijyalakshmi, Kanuri Alekya, N. Radha, Durgesh Nandan “Colour Image Denoising Analysis Based on Improved Non-local Mean Filter”, 2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020), 16th-17th December, 2019 at CMR College of Engineering & Technology, Hyderabad.

https://link.springer.com/chapter/10.1007/978-981-15-7961-5_108

18. Muppana Sonika, S.B.G. Tilak Babu, Durgesh Nandan, “Systematic observation on Non-Orthogonal Multiple Access for 5th generation Communication Technology”, 2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020), 16th-17th December, 2019 at CMR College of Engineering & Technology, Hyderabad

https://link.springer.com/chapter/10.1007/978-981-15-7961-5_89

19. Pinninti Sai Bhaktanjanarao, Obilisetty Tulasi Ratna Deepthi, P. Krishna Veni, Durgesh Nandan, “Trends in 6G Wireless Molecular Communications: A Succinct Study”, 2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020), 16th-17th December, 2019 at CMR College of Engineering & Technology, Hyderabad

https://link.springer.com/chapter/10.1007/978-981-15-7961-5_95#:~:text=While%205G%20expected%20to%20be,to%20various%20drawbacks%20of%205G.&text=Subsequently%2C%20the%20main%20challenges%20have,upcoming%20generation%20of%20wireless%20networks.

20. N. Manikanta, U.M.V. V. Hemanth, M. Venkatesh, M. Visweswara Rao, Durgesh Nandan, “Impact study of Internet of Things on smart city development”, 2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020), 16th-17th December, 2019 at CMR College of Engineering & Technology, Hyderabad

https://link.springer.com/chapter/10.1007/978-981-15-7961-5_93#:~:text=It%20will%20help%20people%20to,our%20life%20safe%20and%20secure.

21. Pasala Lakshmi Mounika, A. KondaBabu, DurgeshNandan, “Effective data acquisition with sensors through IoT application: A Succinct Study”, 2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020), 16th-17th December, 2019 at CMR College of Engineering & Technology, Hyderabad

https://link.springer.com/chapter/10.1007/978-981-15-7961-5_109

22. GuthulaHemaMuthya Sri, GallaBhargav, N.N. Sapandana, RaajasekharManda, DurgeshNandan, “Study on Bicycle-Based Real-Time Information Feedback System by Using IoT”, 5th International Conference on Computing in Engineering and Technology (ICCET 2020), 09th-11th January, 2020 at MGMs College of Engineering, Nanded, Maharashtra, Published in Advances in Intelligent Systems and Computing (AISC) Springer

https://link.springer.com/chapter/10.1007/978-981-15-4851-2_15

23. K.V.S.S.S.S. Kavya, P.BujjiBabu, DurgeshNandan, “Analysis on high performance full adders”, 5th International Conference on Computing in Engineering and Technology (ICCET 2020), 09th-11th January, 2020 at MGMs College of Engineering, Nanded, Maharashtra/ Advances in Intelligent Systems and Computing (AISC) Springer.

https://link.springer.com/chapter/10.1007/978-981-15-4851-2_13

24. Chevuri. Naga Sridevi, MurreyNeeladri, DurgeshNandan, “Performance analysis of wireless sensor network (WSN)”, 5th International Conference on Computing in Engineering and Technology (ICCET 2020), 09th-11th January, 2020 at MGMs College of Engineering, Nanded, Maharashtra/ Advances in Intelligent Systems and Computing (AISC) Springer,

https://link.springer.com/chapter/10.1007/978-981-15-4851-2_24

25. SimmaLalithaSowmya, S KhadarBhasha, DurgeshNandan, “A clear view on design of low-noise amplifiers using cmos technology”, 5th International Conference on Computing in Engineering and Technology (ICCET 2020), 09th-11th January, 2020 at MGMs College of Engineering, Nanded, Maharashtra/ Advances in Intelligent Systems and Computing (AISC) Springer,

https://link.springer.com/chapter/10.1007/978-981-15-4851-2_14

26. KadiyalaYaswanth, RaajasekharManda, DurgeshNandan, “Study of Mechanized Recognition of Driver’s Smartphone Exploiting Common Vehicle-Riding Actions”, 5th International Conference on Computing in Engineering and Technology (ICCET 2020), 09th-11th January, 2020 at MGMs College of Engineering, Nanded, Maharashtra/ Advances in Intelligent Systems and Computing (AISC) Springer

https://link.springer.com/chapter/10.1007/978-981-15-4851-2_11

27. P. Sreevardhan, B. VidheyaRaju, DurgeshNandan, “Animal repellents from agricultural fields”, 5th International Conference on Computing in Engineering and Technology (ICCET 2020), 09th-11th January, 2020 at MGMs College of Engineering, Nanded, Maharastra/ Advances in Intelligent Systems and Computing (AISC) Springer

https://link.springer.com/chapter/10.1007/978-981-15-4851-2_12

28. Abhishek Kumar Tripathi, “Laboratory Investigation of photovoltaic panel performance under the shaded condition”, 1ST IEEE International conference on power, control and computing technologies (ICPC² T)2020, Organized by Department of EEE, NIT, Raipur, During 4th to 5th Jan 2020,

<https://ieeexplore.ieee.org/document/9071465>

29. L Sri HanshitaPriya, K Rajesh, U S SPolaraju N Rajesh “Simulation and analysis of seven-level voltage source inverter”, 3rd International Conference on Computing and Communication (IC3-2020), 20th-21st, March 2020, Sikkim Manipal Institute of Technology (SMIT), Sikkim, Published in “Soft Computing Techniques and Applications”, Springer.

https://link.springer.com/chapter/10.1007/978-981-15-7394-1_10

30. NiharikaPragada, VinnakotaVineetha, K. Durgendra Kumar, “Cycloconverter fed capacitor start capacitor run induction motor drive: Simulation analysis”, 3rd International Conference on Computing and Communication (IC3-2020), 20th-21st, March 2020, Sikkim Manipal Institute of Technology (SMIT), Sikkim, Published in “Soft Computing Techniques and Applications”, Springer.

https://link.springer.com/chapter/10.1007/978-981-15-7394-1_8

31. Lakshmi P, Varshika, AkhilaDurga, B Veeranarayana, “Control scheme to minimize torque ripple of SRM”, 3rd International Conference on Computing and Communication (IC3-2020), 20th-21st, March 2020, Sikkim Manipal Institute of Technology (SMIT), Sikkim, Published in “Soft Computing Techniques and Applications”, Springer.

https://link.springer.com/chapter/10.1007%2F978-981-15-7394-1_9

32. K SaiThulasi, P Raj Kumar, K C Mukesh Kumar, K Rambabu, “Performance analysis of single-phase VSI using variable and multipulse width modulation techniques”, 3rd International Conference on Computing and Communication (IC3-2020), 20th-21st, March 2020, Sikkim Manipal Institute of Technology (SMIT), Sikkim, Published in “Soft Computing Techniques and Applications”, Springer.

https://link.springer.com/chapter/10.1007/978-981-15-7394-1_18

33. L. Satish, SatyaBhuvaneshwari, B. Satya Sri Devi, DurgeshNandan, "Analysis of received signal strength based on user position locating using ML methods", 2nd International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAERE-2020), 5th-6th March 2020 at Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar, Odisha, "Lecture Notes in Networks and Systems", Springer

https://link.springer.com/chapter/10.1007/978-981-15-7511-2_22

34. B. Dilep, N.S.S. Sanjeev, S. Krishna, DurgeshNandan, "Review on different types of multipliers and its performance comparisons", 2nd International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAERE-2020), 5th-6th March 2020 at Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar, Odisha, "Lecture Notes in Networks and Systems", Springer

https://link.springer.com/chapter/10.1007/978-981-15-7511-2_31

35. N. Murli, K.M.L. Narasimha, T. Srinivas Rao, DurgeshNandan, "A Review of diverse procedure for Extraction of Fetal ECG", 2nd International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAERE-2020), 5th-6th March 2020 at Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar, Odisha, Published in "Lecture Notes in Networks and Systems", Springer

https://link.springer.com/chapter/10.1007/978-981-15-7511-2_33

36. VeluriVydehi, A. Lishitha, N.V. Satyanarayan, DurgeshNandan, "Error correction code: study, challenges and applications", 2nd International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAERE-2020), 5th-6th March 2020 at Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar, Odisha, "Lecture Notes in Networks and Systems", Springer

https://link.springer.com/chapter/10.1007/978-981-15-7511-2_30

37. P S V V S Narayana, "Biofilm Resistant Surfaces and Coatings on Implants" 9th International Conference on Materials Processing and Characterization (ICMPC-2019)", Organized by GokarajuRangaraju Institute of Engineering and Technology(GRIET), at Hyderabad, 8-10 March, 2019, Published in Materials Today Proceedings, Elsevier, Volume 18, Part 7, Pages 2201-5564 (2019)

<https://www.sciencedirect.com/science/article/pii/S2214785319326598>

38. Chintan, S.B.G. Tilak Babu, Durgesh Nandan, "Image Fusion: Challenges, Performance metrics and Future directions", International Conference on Electronic Systems and Intelligent Computing (ESIC-2020), 2nd to 4th March 2020 at National Institute of Technology, Arunachal Pradesh, "Lecture Notes in Electrical Engineering", Springer, Pp. 575-584, September, 2020.

https://link.springer.com/chapter/10.1007/978-981-15-7031-5_55

International Conferences

1. B. VidheyaRaju, "An IOT based Low Cost Agriculture Field Monitoring System", the International Conference on "Engineering, Technology, Pharmacy and Management", Organized by Malineni Pereumallu Group of Institutions, Guntur, 31st May, 2019.

https://www.researchgate.net/publication/339123421_An_IOT_based_Low_Cost_Agriculture_Field_Monitoring_System

2. PSVVS Narayana, "Influence of Slot and Flaps Arrangement on the Performance of Modified Darrieus Wind Turbine", 1st International Conference on Manufacturing, Material Science and Engineering, (ICMMSE), CMRIT, Hyderabad, 16-17 August, 2019
3. Ch V S N Reddi, "A detailed review study on acoustic Meta-materials: acoustic cloak", INTER-NOISE 2020, August 23-26, South Korea.
4. S. Aruna Kumari, "Nano Particulate Metal Complexes in Treating Breast Cancer" international Conference on Recent Advances in Chemical, Pharmaceutical and Life Process, Organized by Andhra University, Visakhapatnam, 13th - 15th July, 2019.
5. A. Satish Kumar, "Retrofitting Measures of Guntupalli Caves, West Godavari District, Andhra Pradesh, India, Using Reinforced Rock Technique" International Conference on Multidisciplinary Perspectives in Engineering & Technology (ICMPET), Organized by Krishna Chaitanya Institute of Technology & Sciences(Kits), Markapur, 24th - 25th June, 2019, Published in IJRTE, August, 2019.

<https://www.ijrte.org/wp-content/uploads/papers/v8i2S8/B10530882S819.pdf>

6. A. Satish Kumar, "Experimental Study on the Strength Properties of Steel Fibre Reinforced Geo polymer Concrete with Addition of Nano-silica", international Conference on "Multidisciplinary Research Studies and Education (ICMDRSE-19)", Organized by Institute for Engineering Research and Publication at Hyderabad, 28th - 29th June, 2019.

https://www.researchgate.net/publication/340455697_Experimental_Study_of_Geopolymer_Concrete_by_Addition_of_Nano-Silica_and_Steel_Fiber

7. M. Sandra Carmel Sophia, "Gandhiji's Views on English Language" International Conference on Impact of Gandhian Ideals on Socio-Economic, Cultural and Literary Aspects, Organized by Ch.S.D.St. Theresa's College for Women(A) at Eluru, 29-30, November, 2019.

8. D. Maheswari, "Emerging Trends and Challenges of Economic Reforms in India & Impact on Global Investment" National Seminar at Acharya Nagarjuna University Ongole Campus, 12th -13th December, 2019
9. Abhishek Kumar Tripathi, "Performance evaluation of PV panel under different dust pollutants- an experimental approach", 2nd International conference on opencast mining technology & sustainability (ICOMS-2019) on 13th to 14th Dec-2019, at Singrauli, Madhya Pradesh.
10. Abhishek Kumar Tripathi, "Experimental Investigation on the PV panel performance of under shaded condition", International conference on Materials and Energy (ICME-2019), on 26th to 27th July-2019, at Hotel Haritha kakatiya, Warangal.
11. Santhosh Kumar Dash, "Experimental investigation of synthesis of Biodiesel from non – edible Neem seed oil: production optimization and evaluation of fuel properties", 9th International Conference on sustainable waste management towards circular economy, at KIIT University, Bhubaneswar, Nov-27-30, 2019.
12. Santhosh Kumar Dash, "Effects of Algae Biomass production of Euglena Sanguinea using different types of containers on laboratory scale", 9th International Conference on sustainable waste management towards circular economy, at KIIT University, Bhubaneswar, Nov-27-30, 2019.
13. N.Selvamalar, "Solution of fuzzy rapid access heuristic using closed order search method", National Conference on Soft computing & its applications (NCSCA-2K19), Organized by Department of Mathematics, statistics and computer science & Applications from 20-21 Dec 2019 at Rajahmundry.
14. P.Satish, "Influence of Hall current on MHD fluid flow near an accelerated plate with slippage", National Conference on Soft computing & its applications (NCSCA-2K19), Organized by Department of Mathematics, statistics and computer science & Applications from 20-21 Dec 2019 at Rajahmundry.

International Journals: UGC Approved:

1. N. Radha, "Performance Evaluation of Multi Focus Colour Image Fusion Using Extended Spatial Frequency and Wavelet Based Focus Measures in Stationary Wavelet Transform Domain", Journal of Mechanics of Continua Mathematical Sciences, Vol. 15, No. 1, Jan, 2020

<http://www.journalimcms.org/journal/performance-evaluation-of-multifocus-color-image-fusion-using-extended-spatial-frequency-and-wavelet-based-focus-measures-in-stationary-wavelet-transform-domain/>

2. Abhishek Kumar Tripathi, "Laboratory Investigation on the Strength Property of Field Collected Coal Samples", International Research Journal of Engineering and Technology (IRJET), Volume – Vol. 6, No. 9, Sep - 2019, Pp. 1711 – 1715.

<https://www.irjet.net/archives/V6/i9/IRJET-V6I9263.pdf>

3. K Devi Priya, “Multi Factor Two Way Hash Based Authentication in Cloud Computing”, International Journal of Cloud Applications and Computing, Vol. 10, No.2, 2020

<https://www.igi-global.com/article/multi-factor-two-way-hash-based-authentication-in-cloud-computing/249162>

4. V. Suryanarayana, “ Soft bevarages as an alternative to TAE buffer in agarose gel electrophoresis”, International Journal of Biology Research , Volume – 5 (1), Janauary - 2020, PP-04-06

<http://www.biologyjournal.in/archives/2020/vol5/issue1/5-1-17>

5. V.Suryanarayana, “ Cross –reactivity studies of Ligustrum Robustum With Corylus avellana pollinosis for clinical significance, Journal of JPR Solutions, Volume – 13 (1), October - 2019, PP-11-14

https://jprsolutions.info/article_detail.php?article_id=4631

6. B.R.S.S.V.Rao, “The Portrait of child in English Literature”, International Journal of English Language Literature in Humanities, (IJELLH), Volume – 7(6) , June - 2019.

7. N. Selvamalar, “Extension of Fuzzy Johnson Algorithm to ThreeMachines Fuzzy Flow-shop Scheduling Problem” Malaya Journal of Matematik, Volume – 7(3), Sep - 2019.

8. N. Selvamalar, “Improved Makespan of the Branch and Bound Solution for a Fuzzy – shop Scheduling Problem Using the Maximization operator. ” Malaya Journal of Matematik, Volume – 7(1), Sep - 2019.

9. R.Giri Prasad, “Review on mine accidents due to coal mine fires causes and prevention in Indian coal fields scenario”, International Journal of Research in Applied Science & Engineering Technology (IJRASET), Volume – 8(1), Jan - 2020, Pp. 63 – 66.

10. R.Giri Prasad, “Factors for mine accidents and hazards in open cast and underground coal and non coal mines in India”, Journal of Emerging Technologies and Innovative Research (JETIR), Volume – 6(6), June - 2019, Pp. 858 – 863.

11. R.Giri Prasad, “Importance of lighting in opencast and underground metallic and non metallic mines”, International Journal of Research and Analytical Reviews (IJRAR), Volume – 6(2), June - 2019, Pp. 302 – 310.

12. E.Nandish Goud, “Financial factors, costs and investment ratios influence the evaluation of a mining project in initial stage”, International Journal of Research and Analytical Reviews (IJRAR), Volume – 6(2), June - 2019, Pp. 297 – 301.

13. E.Nandish Goud, "Method extraction of lower and upper coal seam in Indian coal mining operations", International Journal for Research in Applied Science & Engineering Technology (IJRASET), volume – 8(1), Jan – 2020, Pp. 67 – 70.
14. E.Nandish Goud, "Environmental and health impacts due to toxic and non toxic pollutants and wastages from mining and industrial release", Journal of Emerging Technologies and Innovative Research (JETIR), volume – 6(6), June – 2019, Pp. 897 – 905.
15. S.B.G.Tilak Babu, "Ultra Low-Power High –speed Single-Bit Hybrid Full Adder Circuit", Journal of Applied Science and Computations, volume – 6(2), Feb – 2019, Pp. 1998 – 2001.
16. K.Arunbhaskar, " Retinal Vessel Segmentation and Classification based on modifies fuzzy C means algorithm and convolution neural network", International Journal of Computer Engineering and Technology, Volume-11(1), January-2020, Pp-10-17
17. N.Nalini Krupa, "An Interactive Approach to the Next Generation Quantum Computing", International Journal FOR Research in Applied Science & Engineering Technology, Volume-8(2), February-2020