

ADITYA ENGINEERING COLLEGE (A)

Papers published by Faculty in Journals/Conferences

Publications: 2021-22

International Journals (With Impact Factor)	17
International Journals (Scopus)	15
Scopus Indexed International Conferences	54
Web of Science Journals	02
International Journals (UGC)	02
Total	90

International Journal: (With Impact Factor)

1. Pritam Kumar Das, “Experimental investigation for stability and surface properties of TiO₂ and Al₂O₃ water-based nano fluids”, Journal of Thermal Analysis and Calorimetry, June 2021.
[IF 4.62, SJR 0.52, H- Index 92]
<https://link.springer.com/article/10.1007/s10973-021-10894-0>
2. Girija Shankar Sahoo, “ Electrical, Optical, and Reliability Analysis of QD-Embedded Kesterite Solar Cell”, IEEE Transactions on Electrical Devices, June 2021,
[IF 2.91, SJR 0.83, H- Index 186]
<https://ieeexplore.ieee.org/document/9426945>
3. Sandip Kunar, “Micro-electrochemical jet machining of large area microtexturing with tool movement strategy”, Materials and Manufacturing Process, July 2021.
[IF 4.61, SJR 0.91, H- Index 66]
<https://www.tandfonline.com/doi/full/10.1080/10426914.2021.1962535>
4. M. Zubairuddin, “Thermo-mechanical analysis of laser welding of Grade 91 steel plates”, Optik Journal-Elsevier, July 2021.
[IF 2.44, SJR 0.48, H- Index 66]
<https://www.sciencedirect.com/science/article/abs/pii/S0030402621011311>

5. U. Rajyalakshmi, “Automated Computer Aided Diagnosis Using Altered Multi – Phase Level Sets in Application to Categorize the Breast Cancer Biopsy Images”, IETE Journal of Research, Aug 2021.

[IF 2.33, SJR 0.22, H- Index 25]

<https://www.tandfonline.com/doi/full/10.1080/03772063.2021.1962741>

6. 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, Sep 2021.

[IF 5.81, SJR 1.21, H- Index 215]

<https://www.sciencedirect.com/science/article/abs/pii/S0360319921033024>

7. N.R. Dhinesh Babu “Preparation of sulfur doped TiO₂ nanoparticles from rutile sand and their performance testing in hybrid solar cells”, Journal of Materials Science: Materials in Electronics, Oct 2021.

[IF 2.47, SJR 0.49, H- Index 75]

<https://link.springer.com/article/10.1007/s10854-021-07218-1>

8. N.R. Dhinesh Babu “Material characterizations of Moringa oleifera gum (MOG)”, Phosphorus, Sulfur and Silicon and the Related Elements Journal, Oct 2021.

[IF 1.08, SJR 0.23, H- Index 42]

<https://www.tandfonline.com/doi/abs/10.1080/10426507.2021.1989682?src=&journalCode=gpss20>

9. Anandha Kumar, “Assessing the potential of xanthan gum to modify in-situ soil as baselinesrs for landfills”, International Journal of Environmental Science and Techology, Oct 2021.

[IF 2.86, SJR 0.51, H- Index 75]

10. Elumalai. P.V, “Effect of injection timing in reducing the harmful pollutants emitted from CI engine using N-butanol antioxidant blended eco-friendly Mahua biodiesel”, Energy Reports, Nov 2021.

[IF 6.9, SJR 1.2, H- Index 33]

<https://www.sciencedirect.com/science/article/pii/S2352484721008337>

11. N.R. Dhinesh Babu “ Analysis of Electrical and Impedance Properties of the Group-I (Li, Na, K & Cs) Doped ZnO Nanorods”, Journal of Electronic Materials, Vol.50, No.12, Oct 2021.

[IF 1.93, SJR 0.42, H- Index 99]

<https://link.springer.com/article/10.1007/s11664-021-09240-9>

12. Subha Ranjan Paul, “Performance analysis of coal cleaning operations: Role of Probable Error in Separation and Organic Efficiency”, International Journal of Coal Preparation and Utilization, Nov 2021.

[IF 2.67, SJR 0.31, H- Index 28]

<https://europemc.org/article/ppr/ppr315177>

13. G.Ganesh, “Correlation study of antioxidant activity with phenolic and flavonoid compounds in 12 indonesian indigenous herbs”, Antioxidants, Vol.10., No.10, Oct 2021.

[IF 6.31, SJR 1.07, H- Index 46]

[https://www.mdpi.com/2076-](https://www.mdpi.com/2076-3921/10/10/1530?_cf_chl_managed_tk_=rPTgSgfdSHTFC_Dih_kuGFthLWEj4zf_YUqHXtKmy9H4-1641789663-0-gaNycGzNCJE)

[3921/10/10/1530?_cf_chl_managed_tk_=rPTgSgfdSHTFC_Dih_kuGFthLWEj4zf_YUqHXtKmy9H4-1641789663-0-gaNycGzNCJE](https://www.mdpi.com/2076-3921/10/10/1530?_cf_chl_managed_tk_=rPTgSgfdSHTFC_Dih_kuGFthLWEj4zf_YUqHXtKmy9H4-1641789663-0-gaNycGzNCJE)

14. S.Anandha Kumar, “Understanding the microstructure, mineralogical and adsorption characteristics of guar gum blended soil as a liner material”, Environmental Monitoring and Assessment, Vol.193, No.12, Dec 2021.

[IF 2.51, SJR 0.59, H- Index 109]

<https://link.springer.com/article/10.1007/s10661-021-09644-4>

15. K.Bapayya Naidu, “Diminishing Energy Consumption Cost and Optimal Energy Management of Photovoltaic Aided Electric Vehicle (PV-EV) By GFO-VITG Approach”, Energy Sources, Part A: Recovery, Utilization and Environmental Effects, Dec 2021.

[IF 3.4, SJR 0.48, H- Index 45]

16. S.Jhansi Lakshmi, “Functional, thermal, pasting, and rheological properties of gluten-free maize composite flour: Effect of moth bean flour and hydrocolloid addition”, Journal of Food Processing and Preservation, Vol.45, No.12, Dec 2021.

[IF 2.19, SJR 0.51, H- Index 48]

17. B.Ramamohana Reddy, "Influence of steel and PP fibers on mechanical and microstructural properties of fly ash-GGBFS based geopolymer composites", Ceramics International, Dec 2021.

[IF 4.57, SJR 0.94, H- Index 110]

International Journal: (Scopus Indexed)

1. Y. Naga Lakshmi, "Effect of different mulching materials on yield and growth parameters of tomato crop", Current Journal of Applied Science and Technology, Vol.40, No.12, June 2021. [NASS.4.71]

2. Y. Naga Lakshmi, "Rehydration Characteristics of Mushrooms using Different Drying Techniques", Current Journal of Applied Science and Technology, Vol.40, No.14, July 2021. [NASS.4.71]

3. K.V.S.R. Murthy, "Optimal Capacitor Placement – A Bibliometric Survey", Library Philosophy and Practice, July 2021, [SJR 0.23, H- Index 20]

<https://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=10857&context=libphilprac>

4. K.V.S.R. Murthy, "Load flow solution of distribution systems - A Bibliometric survey", Library Philosophy and Practice, Aug 2021 [SJR 0.23, H- Index 20]

<https://digitalcommons.unl.edu/libphilprac/5812/>

5. K.V.S.R. Murthy, "Optimal Distributed Generator Placement-A Bibliometric Survey", Library Philosophy and Practice, Sep 2021 [SJR 0.23, H- Index 20]

<https://digitalcommons.unl.edu/libphilprac/5883/>

6. Abhishek Kumar Tripathi, "Analysis on Photovoltaic Panel Temperature under the Influence of Solar Radiation and Ambient Temperature", IEEE Xplore Digital Library, July 2021.

[SJR 2.38 , H- Index 287]

<https://ieeexplore.ieee.org/document/9392619>

7. N.R. Dhineshababu, “Effect of Ultraviolet and Solar Radiation on Photocatalytic Dye (Black-E and Congo Red) Degradation Using Copper Oxide Nanostructure Particles”, Iranian Journal of Materials Science and Engineering, Vol.18. No.3, Sep 2021.
[SJR 0.17 , H- Index 13]
<https://ie.iust.ac.ir/ijmse/article-1-2145-en.html&sw=Ph>
8. B. Ramamohana Reddy, “ Influence of anti-washout admixtures on the strength and microstructural characteristics of geopolymer concrete”, Journal of Building Pathology and Rehabilitation, Vol.6, No.35, Sep 2021
<https://link.springer.com/article/10.1007/s41024-021-00129-y>
9. Satyajeet Parida, “Safety Risk Assessment and Risk Prediction in Underground Coal Mines Using Machine Learning Techniques”, Journal of The Institution of Engineers (India): Series D, Oct 2021,
[SJR 0.23 , H- Index 10]
<https://link.springer.com/article/10.1007/s40033-021-00290-1>
10. M.Bala Prabhakar, “Ideals of transitive be-algebras”, Palestine Journal of Mathematics, Vol.10, No.2, June 2021.
[SJR 0.23 , H- Index 10]
https://pjm.ppu.edu/sites/default/files/papers/PJM_June_2021_852_to_862.pdf
11. Sandip Kunar, “Investigation into Machining Accuracy of Micro Circular Pattern Fabricated by Maskless Electrochemical Micromachining”, Journal of Engineering Science and Technology Review, Vol.14, No.4, Nov 2021.
[SJR 0.19 , H- Index 28]
12. N.V.Gowtham Deekshithulu, “ Design, Development and Implementation of Real Time Canal and Weather Monitoring Devices”, Journal of Experimental Agricultural International, Vol.43, No.11, Nov 2021
[NASS.4.89]
13. N.V.Gowtham Deekshithulu, “Effect of Milky Mushroom (*Calocybe indica*) in Different Agricultural Residues with Different Casing Materials”, Asian Journal of Agricultural Extension, Economics & Sociology, Vol.39, No.11, Nov 2021.

14. M.Bala Prabhakar, "Generalized lower sets of transitive be-algebras", Palestine Journal of Mathematics, Vol.11, No.1, Dec 2021.
https://pjm.ppu.edu/sites/default/files/papers/PJM_November_2021_176_to_181.pdf
15. A. Lakshman Rao, "An Efficient Covid19 Epidemic Analysis and Prediction Model Using Machine Learning Algorithms", International journal of online and biomedical engineering, Vol.17, No.11, Dec 2021.

[SJR 0.18, H- Index 8]

Scopus Indexed International Conferences :

1. J. Yernaidu, " Experimental investigation on the proneness of coal samples to spontaneous heating using proximate analysis and crossing point temperature method", ICAMEN 2021, Manipal University Jaipur, 18-19th March 2021
2. P. Lakshmi, "Review on the development of constructed wetlands at national and international levels", ICAICE 2021, K.D.K. College of Engineering, Nagpur, 18-20 Mar 2021
3. S. Prasanth Vaida, "Finding Numbers of Occurrences and Duration of a Particular Face in Video Stream", ICICV 2021, Manipal University Jaipur, 5-6 Aug 2021
4. Sandip Kumar, " Generation of square micropattern using electrochemical micromachining", GCRASM 2021, Karnataka, 29-30 July 2021
5. P V Elumalai, "Effect of Hybrid Nano Particle on DI Diesel Engine Performance, Combustion and Emission Study", in the Text Book Energy Environment and Sustainability, June, 2021.
6. Sandip Kumar, " Influence of Mask-less Electrochemical Micro Machining Process Parameters during fabrication of Complex Micro Pattern", ICMSE May, 2021, Bangalore.
7. Sandip Kumar, "Influence of Mask-less Micro Machining Process Parameters during Microtexturing", ICMSE May, 2021, Bangalore.
8. Sandip Kumar, "Parametric study of surface characteristics of laser micro channel milling of Zirconia (ZrO₂) Defocused Condition", ICMSE May, 2021, Bangalore.
9. Sandip Kumar, "Improvement in Performance Criteria of Varactor Micropattern by Pulsed Maskless Electro Chemical Micromachining", ICMSE May, 2021, Bangalore.
10. Abhishek Kumar Tripathi, "Design and Development of an IoT Based Gas Monitoring System for Underground Coal Mines", PRIME-2021, Patna, 5-7th August 2021.
11. Satyajee Parida, "Determination of physico-chemical parameters of coal mines water samples and their correlation establishment with WQI using python programming", ICAPSM-2021, Coimbatore, 17-18th August 2021.

12. Ajay Sankar, "Detection of Alzheimer's Disease through Speech features and Machine Learning Classifiers" 5th World Conference on Smart Trends in Systems, Security and Sustainability, London-UK, 29-30th July 2021.
13. A. Lakshman Rao, Cancer Prediction Using Novel Ranking Algorithms and Machine Learning, ICAICR-2020, Gurugram-Haryana, 26-27th Dec 2020.
14. P.S.Ranjit, "Forecasting-An Industry Perspective", International Conference on Futuristic Sustainable Energy and Technology (ICFSE-2021).Sep 2021
15. P.S.Ranjit, "Role of Dispatching in Production Planning and Control Department of a typical Industry-An outline", International Conference on Futuristic Sustainable Energy and Technology (ICFSE-2021).Sep 2021
16. M.Zubairuddin, "Thermal Analysis of Thin P91 steel using Flex PDE and SYSWELD", International Conference on Manufacturing , Material Science and Engineering (ICMMSE 2021), CMR Institute of Technology, Hyderabad, 24-25th Sep 2021
17. N.Radha, "A Slant Transform and Diagonal Laplacian based fusion algorithm for visual sensor network Applications", 2nd International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN 2021), JNTUK Kakinada, 20-21st Aug 2021
18. K. Arun Bhaskar, "A Hybrid Machine Learning Strategy Assisted Diabetic Retinopathy Detection based on Retinal Images", IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES-2021), St. Joseph's College, Chennai, 24-25th Sep 2021.
19. A. Lakshmanarao, "Malicious URL Detection using NLP, Machine Learning and FLASK, IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES-2021), St. Joseph's College, Chennai, 24-25th Sep 2021.
20. A. Lakshmanarao, "Plant Disease Prediction and Classification using Deep Learning ConvNets", 1st IEEE International Conference on Artificial Intelligence and Machine Vision (AIMV-2021), PEDU University, Gandhinagar, 24th-26th Sep 2021.
21. A. Lakshmanarao, "Ad prediction using Click Through Rate and Machine Learning with Reinforcement Learning", Fourth IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT 2021), Velalar College, Erode, 15-17, Sep 2021.
22. P. Lakshmi, "Desalination of sea water using solar still", International Conference on Innovative and Sustainable Technologies in Civil Engineering (ISTCE 2021), Bapatla Engineering College, 24-25 Sep 2021.
23. J.D.Venkatesh, "Performance monitoring and control of an intelligent Al₂O₃ nanofluid jet impingement MMC heat sink using IoT", 3rd International Conference on

- Manufacturing , Material Science & Engineering, CMR Institute Of Technology, Hyderabad, 24-25 Sep 2021.
24. J.D.Venkatesh, "Study on Agglomeration in a micro channel heat sink with Al₂O₃ and CuO Nano fluids", 3rd International Conference on Manufacturing , Material Science & Engineering, CMR Institute Of Technology, Hyderabad, 24-25 Sep 2021.
 25. G. Sridevi, "Diffusion-driven Fractional-order image Denoising Model", International Conference on Advances in Computer Engineering and Communication Technology (ICACET-2021), Aditya College of Engineering & Technology, 22-23 Oct 2021.
 26. K.N.S.L.Kumar, "An analysis on Classification models to predict possibility for type 2 Diabetes of a patient", 3rd International Conference on Innovative Data Communication Technologies and Application (ICIDCA-2021), RVS College-Coimbatore, 20-21 Aug 2021.
 27. V. Ravi Kishore, "Hand Gesture Mapping Using Mediapipe Algorithm", 3rd International Conference on Communication, Computing and Electronics Systems (ICCES 2021), PPG College, Coimbatore, 28-29 Oct 2021.
 28. Sandip Kunar, "Electrochemical Micromachining of Linear Micro pattern on Stainless Steel Surface", International Conference of Multidisciplinary Aspects of Materials in Engineering (IC-MAME 2021), Punjab University, Chandigarh, 8-9 Oct 2021.
 29. P. Bujjibabu, "Low redundancy matrix code with efficient PPAs", International Conference on Advances in Computer Engineering and Communication Technology (ICACET-2021), Aditya College of Engineering & Technology, 22-23 Oct 2021.
 30. A. Kondababu, "MQTT Cloud based Effective Classroom Notice Board", International Conference on Advances in Computer Engineering and Communication Technology (ICACET-2021), Aditya College of Engineering & Technology, 22-23 Oct 2021.
 31. P.S.Ranjit, "Energy management with blockchain technology in DC microgrids", International Conference on Materials and System Engineering, (ICMSE 2021), 7-8 May 2021, Karnataka, Vol.47
 32. Prasanth Vaidya.S, "Monitoring Pedestrian Social Distance System for Covid-19", International Conference on Advances and Applications of Artificial Intelligence and Machine Learning, 29-30th Oct 2021, Sharada University, Noida.
 33. Abhishek Kumar Tripathi, "Assessment of Iron Potential and Its Economic Viability at Salem Namakkal Iron Ore Complex Tamil Nadu Using Magnetic and Remote Sensing Survey", International Conference on Advancement in Computaton and Computer Technologies (ICACCT-2021), 30-31 Oct 2021, Chandigarh University, Gharuan.
 34. Yashu Swami, "Performance Augmentation and Analysis of Nano-DG-TEFT", International Conference on Advances in Computer Engineering and Communication

- Technology (ICACET-2021), Aditya College of Engineering & Technology, 22-23 Oct 2021.
35. M.Kandan, “Implementation of Crop Yield Forecasting System based on Climate and Agricultural Parameters”, IEEE International Conference on Intelligent Systems, Smart and Green technologies, 13-14 Nov 2021, Visakhapatnam.
 36. M.Kandan, “ Smart Voting System using Face Detection and Recognition Algorithms”, IEEE International Conference on Intelligent Systems, Smart and Green technologies, 13-14 Nov 2021, Visakhapatnam.
 37. M.V.Rajesh, “ A Novel Systematic Credit Approval Scheme based on Efficient Classification Strategies”, International Conference on Advances in Computer Engineering and Communication Technology (ICACET-2021), Aditya College of Engineering & Technology, 22-23 Oct 2021.
 38. Y.Yamini Devi, “Performance – based study of Approximate Adders”, International Conference on Advances in Computer Engineering and Communication Technology (ICACET-2021), Aditya College of Engineering & Technology, 22-23 Oct 2021.
 39. Y.Yamini Devi, “A modified high speed and less area BCD adder architecture using Mirror adder”, 2nd International Conference on Smart Electronics and Communication (ICOSEC 2021), 7-9 Oct 2021, Kongunadu College, Trichy.
 40. S.Neelima, “ An Efficient and Reliable Data Dissemination among Autonomous cars through Cluster Based Relaying in VANETS”, International Conference on Advances in Computer Engineering and Communication Technology (ICACET-2021), Aditya College of Engineering & Technology, 22-23 Oct 2021.
 41. P.Sri Latha, “Multi-Purpose WEB Application Honeypot to Detect Multiple Types of Attacks and Expose the Attacker’s Identity”, 5th International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC 2021), 25-26, Nov 2021, RVS Technical Campus, Coimbatore.
 42. B.Tirupathi Rao, “Impact of Single use Plastic on the Environment due to Covid-19 Pandemic”, International Conference on Recent Innovations in Science & Technology ICRIST-2021, 19-20, June 2021, Eranad Knowledge City Technical Campus, Kerala.
 43. B.Tirupathi Rao, “Impact of Single use Plastic on the Environment due to Covid-19 Pandemic”, 2nd International Conference on Chemistry and Science Education (ICCHSE-2021) ,Universitas Negeri Padang, Eranad Indonesia, 4-5, Aug 2021.
 44. S. Prasanth Vaida, “Adaptive Blind Color Image Watermarking Approach using BRISK Features Based on CT and CNN”, IEEE Conference on IoT for Rural healthcare (CIRH 2021), Vignan’s University, 16-18 Dec 2021.

45. J.Pavan, "Design of wireless gas monitoring technology for underground coal mines", International Conference on Advances in Computer Engineering and Communication Technology (ICACET-2021), Aditya College of Engineering & Technology, 22-23 Oct 2021.
46. Satyajee Parida, "Prediction of Blast Induced Ground Vibration by Artificial neural Network", International Conference on Emerging Research in Civil, Aeronautical and Mechanical Engineering (ERCAM 2021), Nitte Meenakshi Institute of Technology (NMIT), 16-17 Dec 2021.
47. S.Rama Sree, "A Comparative study on a Disease Prediction System using Machine Learning Algorithms", 3rd International Conference on Artificial Intelligence and Speech Technology, Indira Gandhi Delhi university, 12-13 Nov 2021.
48. B.R.S.S.Raju, "Identification of Brain Tumor with the help of Convolution Neural Networks", 3rd International Conference on Multidisciplinary Innovation in Academic Research (ICMIAR 2021), Institute For Engineering Research and Publication, 25-26 Nov 2021.
49. Yashu Swami, "Analysis of a proposed efficient Nano-DG-TFET for Ultra Low Power Applications", International Conference on Nanotechnology and Engineering Material Science and Engineering, National Cheng kung University, Taiwan, 15-16 Nov 2021.
50. M.Zubairuddin, "Thermal analysis of laser welding of grade 91 steel", International Conference on Engineering Material, Metallurgy and Manufacturing, SSN College of Engineering, Chennai, 16-17 Dec 2021.
51. M.Kalyan Ram, "A Comprehensive Analysis of Prediction of P-Glycoprotein in Tumour Cells, Breast Cancer and Ovarian Cancer using Machine Learning", 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA-2021), RVS Technical Campus, Coimbatore, 2-4 Dec 2021.
52. A.S.S.Sitaram Murthy, "Performance and Emission Characteristics of lemon seed oil blended with hydrogen in CI Engine", International Conference on Alternative Fuels and Electrical Vehicles, Alard College of Engineering, Pune, 9-10 Dec 2021.
53. S.Anjani Devi, "Experimental Investigation on Neem oil water emulsion in Thermal Barrier Coating Engine", International Conference on Alternative Fuels and Electrical Vehicles, Alard College of Engineering, Pune, 9-10 Dec 2021.
54. Sartaj Patel, "Performance and Emission Characteristics of Palm oil blended with hydrogen in CI Engine", International Conference on Alternative Fuels and Electrical Vehicles, Alard College of Engineering, Pune, 9-10 Dec 2021.

Web of Science Journals, 2021-22

1. B. Rambabu, “Developing proficiency skills in rural Indian students, strategies for improving speaking skills”, International Journal of Aquatic Science, Vol.12, No.2, June 2021.
2. B. Rambabu, “The problems faced by the rural students in conversing in English and proposed solutions to develop their communication skills”, International Journal of Aquatic Science, Vol.12, No.2, June 2021,

International Journals (UGC Approved)

1. M. Bala Prabhakar, “ Semi Maximal Ideals of BE-Algebras ”, I-Manager's Journal on Mathematics, Vol.9, No.2, June 2021.
2. V.Venkata Kumar, “ Filters of Commutative BE-Algebras”, I-Manager’s Journal of Mathematics, Vol.9, No.2, July 2021