Aditya College of Engineering, Surampalem
Papers published/presented by Faculty in Journals/Conferences/Patents

Publications: 2022-23 *(as on 30-Oct-2022)*

International Journals (SCI/WoS/Scopus)	20
International Journals (UGC Approved)	-
National Journals	-
International Conferences (Scopus/ WoS)	07
International Conferences	-
National Conferences	00
Patents	-
Total	27

International Journals (SCI/WoS/Scopus):

1. Sai Nitesh KJN, Chunchu Bala Rama Krishna,, Vasugi K, Cheerla Prabhu Teja, Sesha Rao Y, Sanjeev Kumar, and Dumesa Gudissa Lemu, "Analysis of the Thermal Effects on the Behaviour of Steel Connection Beam Section", Volume 2022, Article ID 3166547, PP: 1-6, Fabrication and Machinability of Alloys and Composites, Hindawi, ISSN: 1687-8434
   https://www.hindawi.com/journals/amse/2022/3166547/

2. G.Jaffino, M.Sundaram, J.Prabin Jose, " Weighted 1D-local binary pattern features and Taylor- Henry gas solubility optimization based Deep Maxout network for discovering epileptic seizure using EEG", vol: 122; article no: 103349; PP: 1-19, Digital Signal Processing, Issn: 1051-2004
   https://www.sciencedirect.com/science/article/pii/S1051200421003882

3. G.Jaffino, J. Prabin Jose, "Contour- and Texture-based analysis for victim identification in forensic odontology", Vol: 56, Issue-1, Data Technologies and Applications, ISSN: 2514-9288
   https://www.emerald.com/insight/content/doi/10.1108/DTA-03-2021-0075/full/html

4. L. Natrayan, Dhinakaran Veeman, Pravin P. Patil, V. Swamy Nadh, P. Balamurugan, and Muse Degefe Chewaka, "Surface State Treatment of Carbon Dots Using Sulphur Dioxide Isotherm", Volume 2022 |Article ID 7387409; PP- 1-9, Futuristic Carbon Based Adsorbents and their Versatile Applications, ISSN: 0263-6174.

https://www.hindawi.com/journals/ast/2022/7387409/?utm_source=google&utm_medium=cpc&utm_campaign=HDW_MRKT_GBL_SUB_ADWO_PAI_DYNA_JOUR_X_PCUPS&gclid=CjwKCAjwpKyYBhB7EiwAU2Hn2ey22O8Tys0Mku7tfVYxU05uGwd8unUgwJZCls5c2yQyno4fn0wL6xoC6Y4QAvD_BwE

5. Shivaperumal Ma , Thirumalai Rb , Kannan Sa and Yarrapragada K S S Rao, "Parametric optimization in machining of GFRP composite by taguchi grey relational analysis**",** Vol. 23, No. 3, pp. 404-408 **;** Journal of Ceramic Processing Research, ISSN : 1229-9162

http://www.jcpr.or.kr/journal/download/pdf/2682

6. Mohamad Reda, A. Refaai, D. Prakash, Jaya Christiyan K G, DVSSSV Prasad, E. Archana, and Agegnehu Shara Shata, "Experimental Investigation on the Average Surface Roughness (Ra) of AlSi10Mg Alloy Manufactured by Laser Powder Bed Fusion Method", Volume 2022 , Article ID 5874875, PP: 1-5; Advances in Materials Science and Engineering; Hindawi; ISSN: 1687-8434.

https://www.hindawi.com/journals/amse/2022/5874875/

7. Gurpreet Singh, Jothi Prabha Appadurai, Varatharaju Perumal, K. Kavita, T. Ch Anil Kumar,[5] DVSSSV Prasad, A. Azhagu Jaisudhan Pazhani and K. Umamaheswari, "Machine Learning-Based Modelling and Predictive Maintenance of Turning Operation under Cooling/Lubrication for Manufacturing Systems", Volume 2022 |Article ID 9289320 ; PP: 1- 10; Synthesis and Characterization of Advanced Green Materials for Automotive and Aerospace Applications, Hindawi, ISSN: 1687-8434

https://www.hindawi.com/journals/amse/2022/9289320/

8. Razan A. Alshgari, Saikh Mohammad Wabaidur, Mohanavel Vinayagam Parthasarathy, D. V.
S. S. S. V. Prasad, V. Sharun, Melvin Victor De Poures, Ram Subbiah, M. I. Ataul, and Belachew Girma Tesemma, "Experimental Studies on Fabrication and Thermal Characterization of Shape Memory Polymer Composites with Nanofillers", Volume 2022, Article ID: 3286792, PP: 1-10; *Journal of Nanomaterials,* Hindawi, ISSN: 1687- 4110

https://www.hindawi.com/journals/jnm/2022/3286792/

9. K.Manoz Kumar Reddy, A.Kailasa Rao, R.Srinivas Rao, "Optimal deployment of UPFC based on critical bus ranking using an effective PSO algorithm" vol: 47; PP: 1-4 ; Materials Today: Proceedings; Issn 2214-7853 https://www.sciencedirect.com/science/article/pii/S2214785321023786
10. Ramya, G., Pounrajan, S., Prasad, D. V. S. S. S. V., Soni, S., Ravichandran, P., Kosanam, K., ... & Shaik, B. (2022). "Assessment of Rotational Speed and Plunge Rate on Lap Shear Strength of FSSW Joints of AA7075/Mild Steel." Advances in Materials Science and Engineering, ISSN:1687-8434. https://www.scopus.com/record/display.uri?eid=2-s2.0-85131395355&origin=resultslist&sort=plf-f&src=s&sid=0ad2b15153df624b7c0b6c67bf4688de&sot=aff&sdt=a&sl=47&s=AF-ID%28%22Aditya+College+of+Engineering%22+60253273%29&relpos=40&citeCnt=0&searchTerm=
11. Raju, K., M. Balakrishnan, D. V. S. S. S. V. Prasad, V. Nagalakshmi, Pravin P. Patil, S. Kaliappan, B. Arulmurugan et al. "Optimization of WEDM Process Parameters in Al2024-Li-Si3N4 MMC." Journal of Nanomaterials, ISSN:1687-4110. https://www.scopus.com/record/display.uri?eid=2-s2.0-85131259337&origin=resultslist&sort=plf-f&src=s&sid=0ad2b15153df624b7c0b6c67bf4688de&sot=aff&sdt=a&sl=47&s=AF-ID%28%22Aditya+College+of+Engineering%22+60253273%29&relpos=41&citeCnt=0&searchTerm=
12. Alshgari, Razan A., M. Prasad, Sarat Chandra, Bipin Kumar Srivastava, Mohammed Saleh Al Ansari, Parul Gupta, A. Sivakumar, Saikh Mohammad Wabaidur, M. Ataul Islam, and Abdi Diriba. "Mechanical Evaluation on Carbon/Basalt Fiber-Reinforced Hybrid Polymer Matrix Composite." ADVANCES IN POLYMER TECHNOLOGY, ISSN:0730-6679. https://www.scopus.com/record/display.uri?eid=2-s2.0-85138917618&origin=resultslist&sort=plf-f&src=s&sid=0ad2b15153df624b7c0b6c67bf4688de&sot=aff&sdt=a&sl=47&s=AF-ID%28%22Aditya+College+of+Engineering%22+60253273%29&relpos=22&citeCnt=0&searchTerm=
13. Ravindra, Manam, Donepudi Tata Rao, Rayapudi Srinivasa Rao, Adireddy Ramesh, and Karri Manoz Kumar Reddy. "Optimal Allocation of Micro-phasor Measurement Units in Distribution Network Considering Security Constraints." In Advances in Communication, Devices and Networking, ISSN:1876-1100. https://link.springer.com/chapter/10.1007/978-981-19-2004-2_55
14. Bhanu Teja, N., P. Ganeshan, V. Mohanavel, Alagar Karthick, K. Raja, Krishnakumar Krishnasamy, and M. Muhibbullah. "Performance and Emission Analysis of Watermelon Seed Oil Methyl Ester and n-Butanol Blends Fueled Diesel Engine." Mathematical Problems in Engineering 2022 (2022). https://www.hindawi.com/journals/mpe/2022/2456338/
15. Merneedi, Anjibabu, and Ramesh Palisetty. "Prediction of drivers' impact on green supply chain management using deep learning algorithm." Environmental Science and Pollution Research, ISSN:0944-1344. https://link.springer.com/article/10.1007/s11356-022-22499-7
16. Ahilan, Dr T., G. Sujesh, and KSS Rao Yarrapragada. "Wind turbine power prediction via deep neural network using hybrid approach." Proceedings of the

Institution of Mechanical Engineers, Part A: Journal of Power and Energy (2022), ISSN:0957-6509. https://journals.sagepub.com/doi/abs/10.1177/09576509221125863

17. Kanna, S. K., G. Naveen Sundar, R. Ganesan, Naresh Mallireddy, Hitesh Shingadia, Harishchander Anandaram, Melvin Victor De Poures, and Prabhu Paramasivam. "Artificial Intelligence Investigation on (Al-Si-Fe) Alloy Reinforced with Nanoceramic Particles by RSM." Journal of Nanomaterials, ISSN:1687-4110. https://www.hindawi.com/journals/jnm/2022/2892738/
18. Xhakaza, Nokukhanya Mavis, Rajasekhar Chokkareddy, and Gan G. Redhi. "Ionic Liquid Based Electrochemical Sensor for the Detection of Efavirenz." Journal of Molecular Liquids, ISSN:0167-7322. https://www.sciencedirect.com/science/article/abs/pii/S0167732222019833
19. Alshgari, Razan A., M. Prasad, Sarat Chandra, Bipin Kumar Srivastava, Mohammed Saleh Al Ansari, Parul Gupta, A. Sivakumar, Saikh Mohammad Wabaidur, M. Ataul Islam, and Abdi Diriba. "Mechanical Evaluation on Carbon/Basalt Fiber-Reinforced Hybrid Polymer Matrix Composite." ADVANCES IN POLYMER TECHNOLOGY, ISSN:0730-6679. https://www.scopus.com/record/display.uri?eid=2-s2.0-85138917618&origin=resultslist&sort=plf-f&src=s&sid=0ad2b15153df624b7c0b6c67bf4688de&sot=aff&sdt=a&sl=47&s=AF-ID%28%22Aditya+College+of+Engineering%22+60253273%29&relpos=22&citeCnt=0&searchTerm=

20. Sagar, K. G., K. Ramachandran, Koushik Kosanam, B. Marxim Rahula Bharathi, M. Rama, and Sumanta Bhattacharya. "Analysis of wear behavior and shear properties of nano–ZnO2/jute fiber/epoxy composites by Hand layup technique." Materials Today: Proceedings, E-ISSN:2214-7853. https://www.sciencedirect.com/science/article/pii/S2214785322055006

International Conferences (Scopus/WoS):

1. Suma, Y; Jaffino, G; Singh, Mahesh K; “Sparse Function Learning for Alzheimer’s Disease Detection Dependent on Magnetic Characteristics Imaging with Mark Information ”, Vol- 290, PP: 83-89, Proceedings of Second International Conference in Mechanical and Energy Technology; Springer; ISBN: 978-981-19-0108-9;

   https://link.springer.com/chapter/10.1007/978-981-19-0108-9_9

2. Reddy, Karri Rama Sai; Satwika, Chundru; Jaffino, G; Singh, Mahesh K; “Monitoring of Infrastructure and Development for Smart Cities Supported by IoT Method ”, Vol- 290, PP: 21-28, Proceedings of Second International Conference in Mechanical and Energy Technology, Springer; ISBN: 978-981-19-0108-9

   https://link.springer.com/chapter/10.1007/978-981-19-0108-9_3

3. Kiran, Mani; VNS, Ch; Jagadeesh Babu, B; Singh, Mahesh K; “Study of Different Types of Smart Sensors for IoT Application Sensors ”, Vol- 290, PP: 101-107, Proceedings of Second International Conference in Mechanical and Energy Technology; Springer; ISBN: 978-981- 19-0108-9

   https://link.springer.com/chapter/10.1007/978-981-19-0108-9_11

4. Lalitha, Kakarapalli; Veerapandu, Geesala; “Forest Fire Detection Using Satellite Images” , Vol- 290, PP: 277-284, Proceedings of Second International Conference in Mechanical and Energy Technology; Springer; ISBN: 978-981-19-0108-9

   https://link.springer.com/chapter/10.1007/978-981-19-0108-9_29

5. Madhava Sai Teja, V; Sai, B; Veerapandu, G; Singh, Mahesh K; “A Comparative Study of Different IOT Sensors ”, Vol- 290, PP: 53-61, Proceedings of Second International Conference in Mechanical and Energy Technology; Springer; ISBN: 978-981-19-0108-9

   https://link.springer.com/chapter/10.1007/978-981-19-0108-9_6

6. R. V. Satya Lalitha, Rayudu Srinivas, Ch.V. Raghavendran, K. Kavitha, Pullela S. V. V.
   S. R. Kumar & P. S. L. Sravanthi, “ Real Time Nitrogen, Phosphorus, Potassium (NPK) Detection in Soil Using IoT”, volume 292, PP 408–416 , “Lecture Notes in Networks and Systems”, Springer; ISBN: 978-981-16-4435-1

   https://link.springer.com/chapter/10.1007/978-981-16-4435-1_39

7. Jaffino G; Palaniappan T; Samuel Swamidoss MK; Gugapriya G; Madhu manikya Kumar; & J Prabin Jose, " IoT Based Frame work for Automatic accident Intimation System", Vol:01; Page(s):1568 – 1572; International Conference on Advanced Computing and Communication Systems (ICACCS); ISBN:9781665408172

https://ieeexplore.ieee.org/document/9785220