

**VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE (AUTONOMOUS)
VIJAYAWADA – 520007
MECHANICAL ENGINEERING DEPARTMENT
AY 2022-23**

	SCI Indexed Journals	SCOPUS Indexed			International Conferences
		Journals	Conference Proceedings	Lecture Notes	
No. of Publications	11	10	9	3	45

International Journals

1. T. Sunil Kumar, K. Venkata Rao, M. Balaji, PBGSN Murthy, D. Vijaya Kumar, “ Online monitoring of crack depth in fiber reinforced composite kbeams using optimization Grey model GM(1, N)”, Engineering Fracture Mechanics, ISSN: 1873-7315, vol 271(2022)108666, August 2022, <https://doi.org/10.1016/j.engfracmech.2022.108666>, **SCI, IF 4.89, Q1.**
2. Phani Prasanthi, Sivaji Babu Kondapalli, Niranjana Kumar Sita Rama Morampudi, Venkata Venu Madhav Vallabhaneni, Kuldeep Kumar Saxena, Kahtan Adna Mohammed, Emanoil Linul, Chandra Prakash, Dharam Buddhi, “ Elastic Properties of Jute Fiber Reinforced polymer Composites, with Different Hierarchical structures” Materials, ISSN : 1996-1944, vol 15, issue 19, 7032 October 2022, <https://doi.org/10.3390/ma15197032> , **SCI, Q2, IF 3.7.**
3. Sanjay K Sahoo, Srinivas Kuchipudi, Ch. Sr Chaitanya, R. Narasimha Rao, Manoj K Buragohain, “Effect of shape on depth profile Nuclear Magnetic Resonance data of multilayered composite structure”, Non Destructive Testing and Evaluation, ISSN: 1477-2671, October 2022, <https://doi.org/10.1080/10589759.2022.2136174>, **SCI, IF 2, Q2.**
4. Syam Prasad Ammineni, Ch. Nagaraju, D. Linga Raju , “Modal performance degradation of naturally aged NBR”, Polymer Testing, ISSN 0142-9418, vol 115 , PP 107710, November 2022 **SCI, IF 4.9,** <https://doi.org/10.1016/j.polymertesting.2022.107710>, **Q1**

5. Phani Prasanthi Parvathaneni, V. Venu Madhav, Chadalavada Sri Chaitanya, Vallabhaneni Veda Spandana, Kuldeep K Saxena, Sahil Garg and Migbar A Zeleke, “ Prediction of impact behaviour for natural fiber-reinforced composites using the finite element method”, *Composites and Advanced Materials*, ISSN : 2634-9833 vol 21, PP 1-12, December 2022,. <https://doi.org/10.1177/26349833221145016> , **SCI, IF 1.44. Q1**
6. CR Mahesha, G. Jamuna Rani, Vinjamuri. SN. CH Dattu, Yerrapragada, KSS Rao, J. Madhusudhanan, Narayan L, S. Chandra Sekhar, Ravishankar Sathyamurthy, “Optimization of transesterification production of biodiesel from *Pithecellobium dulce* seed oil”, *Energy Reports*, ISSN : 2352- 4847, Vol 8, supplement 16, pp 489-497, December 22 <https://doi.org/10.1016/j.egy.2022.10.228>, **SCI, IF 4.93. Q2**
7. K.Ramanaiah, S. Srinivas Prasad, AV Ratna Prasad, K.Hemachandra Reddy, “ Thermo-physical and fire properties of sustainable bio composites: Experimental and computational analysis”, *Journal of Natural fibers*, ISSN : 1544-046X, vol 20, No 1, January 2023, <https://doi.org/10.1080/15440478.2022.2162653>, **IF 3.76 , Q1, SCI.**
8. Syam Prasad ammineni, D. Lingaraju, Ch. Nagaraju, “ The effects of physical aging on the quasi-static and dynamic viscoelastic properties of Nitrile Butadiene Rubber”, *Mechanics of Time-Dependent Materials*, ISSN : 1385-2000, March 2023, 1573-2738 <https://doi.org/10.1007/s11043-023-09591-2> , **SCI , IF 2.7, Q2**
9. P Phani Prasanth, M S R Niranjan Kumar , M Somaiah Chowdary , V.V.Venu Madhav Kuldeep K Saxena , Kahtan A Mohammed , Muhammad Ijaz Khan , Gaurav Upadhyay and Sayed M Eldin, “Mechanical properties of carbon fiber reinforced with carbon nanotubes and graphene filled epoxy composites: experimental and numerical investigations” *Materials Research Express*, ISSN: 2053-1591, February 2023, **SCI, IF 2.02., Q1**
10. Srinivas Prasad Sanaka, Ramanaiah Kandula, Khyathi Sree Chalamalasetty and Durga Rao Kappala, "Reacting flow analysis in scramjet engine: effect of mass flow rate of fuel and flight velocity, *International Journal of Turbo & Jet-Engines*, published online April 17, 2023, <https://doi.org/10.1515/tjeng-2023-0029>. **IF 1.923, SCI., Q2**
11. Phani Prasanthi, P, N. Raghu Ram, V. V. Venu Madhav, Manoj Kumar Agarwal, Prasanta Kumar Mohanta, Kuldeep K Saxena, Ch. Sri Chaitanya, Karrar Hazim Salem, Barno sayfutdinova Abdullaeva, “ Tensile behaviour of Natural Polymer Composite Materials at Ambient and Elevated Temperatures, *Indian Journal of*

Engineering & Materials Sciences, Vol 30, April 2023, pp 331-337, DOI: 10.56042/ijems.v30i2.609, **SCI, IF 0.615.**

12. V. V. Venu Madhav, Ch. Sri Chaitanya · P. Phani Prasanthi · A. V. S. S. K. S. Gupta · V. V. Spandana ,Kuldeep K. Saxena · Chander Prakash, “ Design and analysis of angle-ply arrangement on fracture properties of FRP composite structure under thermo-mechanical loading conditions subjected to central circle cut-out”, International Journal on Interactive Design and Manufacturing (IJIDeM), ISSN 1955-2505, July 2022, <https://doi.org/10.1007/s12008-022-00984-0>, **SCOPUS, Q1**
13. S. Indrasena Reddy, Gopinadh Chowdary.P, Nazumuddin Shaik, “Evaluation of Tensile and Flexural Properties of unidirectional Glass-epoxy laminate with Aluminium Oxide and Magnesium Hydroxide as Filler Materials “, Materials Science Forum, ISSN : 1662-9752, vol 1074, pp61-66 October 2022, <https://doi.org/10.4028/p-b81ws3>, **SCOPUS. Q4**
14. G. Jamuna Rani, V. V. Venu Madhav, Vitalsai.G, B. Balakrishna, Kuldeep K Saxena, Kahatan A Mohammad, B. S. Rawat, Lovi raj Gupta, “Numerical simulation of mould filling process using ansys”, Advances in Materials and Processing Technologies, ISSN : 2374-068X , November 2022, <https://doi.org/10.1080/2374068X.2022.2144223> , **SCOPUS, Q2**
15. V. V. Venu Madhav, Ch. Sri Chaitanya · P. Phani Prasanthi · A. V. S. S. K. S. Gupta · V. V. Spandana ,Kuldeep K. Saxena, Anitha Gehlot, Rajan Verma, “Effect of angle-ply arrangement on fracture behaviour of FRP composite laminate under the thermal loading conditions subjected to central elliptical cut-out” Advances in Materials and Processing Technologies, ISSN : 2374-068X, January 2023, <https://doi.org/10.1080/2374068X.2022.2162756>, **SCOPUS, Q2.**
16. M. Naga Swapna sri, P.Anusha, Dr V.V.Venu Madhav, Kuldeep K Saxena , Ch. Sri Chaitanya, R. haranath & Bharath Singh, “Influence of Cu particulates on a356mmc using frequency response function and damping ratio” Advances in Materials & Processing Technologies, ISSN : 2374-068X, Feb 02, 2023, <https://doi.org/10.1080/2374068X.2023.2171670> , **SCOPUS, Q2.**
17. Phani Prasanthi. P, V.V.Venu Madhav, Ch.Sri Chaitanya, V.V.Spandana, Kuldeep K Saxena, Rajesh Deorari, Abhishek Chand Thakuri, Karrar Hazim Salem, Kahtan A.Mohammed, “Force and Roughness Analysis for Natural Bagasse Fiber Reinforced Composites Under Milling Machining: An Experimental Study” , Advances in

Materials & Processing Technologies, ISSN : 2374-068X, April 2023, <https://doi.org/10.1080/2374068X.2023.2204774> , **SCOPUS, Q2.**

18. P.Phani Prasanthi, Jaya Madhuri Mandava, V.V.Venu Madhav, Kuldeep K. Saxena, Ch. Sri Chaitanya, Chander Prakash, Iman Kareem Kadhim, Manoj Kumar Agarwal, “ Computational analysis for flexural response of composite laminates using finite element method” International Journal of Interactive Design and Manufacturing (IJIDEM) , May 2023, ISSN : 1955-2505, <https://doi.org/10.1007/s12008-023-01356-y>, **SCOPUS**
19. G. Srivalli, Y. Sangeetha, B. Raghava Rao, V. Balakrishna Murthy, “A novel approach for prediction of transverse thermal conductivity of unidirectional random fiber composites”, International Journal of Computational Materials Science and Engineering, ISSN (print): 2047-6841 <https://doi.org/10.1142/S2047684123500197>, April 2023, **SCOPUS, Q3.**
20. Srinivas Prasad Sanak , Pardhasaradhi N , Durga Rao K, “Hydrodynamic Performance and Acoustic Response of Ship Propeller”, Transactions on Maritime Science. ISSN : 1848-3305, Vol 12, No 1, April 2023, <http://dx.doi.org/10.7225/toms.v12.n01.001> , **SCOPUS , Q2**
21. M Bala Chennaiah, G. Dilli Babu, M. Sumalatha, K. Dillip Kumar, “Design and Fabrication of multipurpose 3D-Printing Machine”, European Chemicals Bulletin, 2023, 12(10), ISSN: 2063-5346 53-62, <https://www.eurchembull.com/uploads/paper/cf71eec90cc8fe0d94c1a865ef93d2c8.pdf> , June 2023, **SCOPUS, Q3**
22. V. V. Venu Madhav, Y. Padma, P. Phani Prasanthi, Ch. Sri Chaitanya A. V. S. S. K. S. Gupta · V. V. Spandana “ Fracture Behaviour Of A Rectangular Composite Lamina With A Virtual Crack Under Different Loading Conditions”, Journal of Pharmaceutical Negative Results, ISSN : 0976-9234 , vol 13, special issue 10, December 2022 , <https://doi.org/10.47750/pnr.2022.13.S10.067>
23. V. V. Venu Madhav, Y. Padma, P. Phani Prasanthi, Ch. Sri Chaitanya A. V. S. S. K. S. Gupta · V. V. Spandana “ Fracture Behaviour Of A Composite Lamina Under Mechanical, Thermal And Thermo-Mechanical Loading Conditions” Journal of Pharmaceutical Negative Results, vol 13, special issue 10, December 2022 , <https://doi.org/10.47750/pnr.2022.13.S10.056>

Conference Proceedings

1. Sridhar V., Balaji, M., Gone, S., “Synthesis and Mechanical behavior of Nano Alumina, Nickel reinforced Magnesium Hybrid Composites”, Materials Today proceedings, ISSN: 2214-7853. Vol 65, Part 1, 2022, PP 357-363, <https://doi.org/10.1016/j.matpr.2022.06.325> , **SCOPUS, Q3**
2. G. Dilli Babu, G. Mounika, N. Vijaya Sai, “ Optimization of 3D printer parameters for geometrical accuracy using CMM measurements, AIP Conference Proceedings, ISSN :0094-243X, Vol 2653, 030009 (2022), <https://doi.org/10.1063/5.0110509>, October 2022, **SCOPUS, Q4**
3. Geetha Satya Sai Sree P, Ravi Kumar Narra, V. Rama Koteswara Rao, “Comparison of tensile properties of Al 5154/ SiC/ TiB₂ with Al 7075/6063 metal matrix composites”, AIP Conference Proceedings ISSN :0094-243X, vol 2653, issue 1, 030011 (2022); <https://doi.org/10.1063/5.0120273>, October 2022. **SCOPUS. Q4**
4. Mythili Chaganti, Eswaraiah, M. Sreeramulu,, Ramanaiah, K, “Ecofriendly biodegradable composite material for thermal insulation applications”, AIP Conference Proceedings, ISSN :0094-243X, Vol 2648, 040010(1-6)November, 2022, <https://doi.org/10.1063/5.0118619>, **SCOPUS Q4**
5. Nageswara Rao Medikundu, Prakash Babu K, Upendra Rajak, Asif Afzal, Maughal Ahmed Ali Baig, Sudhamalla Maallesh, “ Minimization of Number of operations in FM System through Longest Batch Processing Time”, AIP Conference Proceedings, 2477,030067 (2023), May 24, 2023, **SCOPUS Q4**
6. Nageswara Rao Medikundu, Prakash Babu K, Upendra Rajak, Asif Afzal, Maughal Ahmed Ali Baig, Mahesh V Sonth, “Minimization of Average Number of Trady Jobs through Longest Batch Processing Time”, AIP Conference Proceedings, 2477,030068 (2023), May 24, 2023, **SCOPUS Q4**
7. Nageswara Rao Medikundu, Prakash Babu K, Upendra Rajak, Asif Afzal, Maughal Ahmed Ali Baig, Sudha Arvind, “ Minimization of Mean Flow Time through Shortest Batch Processing Time in FMS”, AIP Conference Proceedings, ISSN :0094-243X 2477,030069 (2023), May 24, 2023, **SCOPUS Q4**
8. Chittibabu, G., Ch Sri Chaitanya, Babar Pasha Mahammod, Manoj Gupta, Syed Ismail, and R. Narasimha Rao. "Tribological behaviour of titanium carbide reinforced aluminum composite materials." In AIP Conference Proceedings, vol. 2810, no. 1, June 2023 2023. <https://doi.org/10.1063/5.0146874>, **SCOPUS Q4**

9. Chaitanya, Ch Sri, G. Chittibabu, Babar Pasha Mahammod, T. Bharath Kumar, C. Pranaya Joshi, and R. Narasimha Rao. "Compression deformation models of cenosphere reinforced polymer syntactic foams." In AIP Conference Proceedings, vol. 2810, no. 1. June, 2023, <https://doi.org/10.1063/5.0146870> , **SCOPUS Q4**

Lecture Notes

1. K. Hima Teja, Srivalli. G, Balakrishna Murthy V. “ A solution for reduction of scour at bridge pier through computational fluid dynamics (CFD)”, Advances in structural Mechanics and applications, Lecture notes in Mechanical Engineering, ISSN 2522-560X, Vol 26, PP 530-537, July 2022, https://doi.org/10.1007/978-3-031-05509-6_43 **SCOPUS**
2. Ch. Sri Chaitanya , P. Gopinadh Chowdary, G. Chitti Babu, R. Narasimha Rao, “ Development of close celled cenosphere based polymer syntactic foams”, Recent Trends in Product design and intelligent manufacturing Systems, Lecture notes in Mechanical Engineering, ISSN 2522-560X , October 2022, PP 147-155. https://doi.org/10.1007/978-981-19-4606-6_15 , **SCOPUS**
3. Obulesu Tapela, G. Dilli Babu, Ginka Ranga Janardhana,” An Analysis of the behaviour of Peepal Fiber Reinforced polyster composites for Tensile, Flexural and Impact strengths”, Recent Trends in product design and intelligent manufacturing system, , Lecture notes in Mechanical Engineering, ISSN 2522-560X , October 2022, PP417-428. https://doi.org/10.1007/978-981-19-4606-6_39, **SCOPUS**

International Conferences

1. Mullapudi Sri Lasya, Mulupuri Gnana Deepthi Keziya, B. Sandeep and Balakrishna Murthy V., “ANALYSIS OF SCOUR FORMATION AT BRIDGE ABUTMENTS USING COLLAR”, “International Conference on Advances in Transport Phenomena (ICATP 2022) - A Virtual Meet” organized by the School of Advanced Sciences, VIT-AP University, Amaravati held during July 16-18, 2022. ICATP 2022, ISBN 978-81-952903-0-7, P.35.

2. Mulupuri Gnana Deepthi Keziya, Md. Anwar, M. Sai Kiran and Balakrishna Murthy V., “Analysis of scour formation at bridge abutments comparing different counter measures”, “International Conference on Advances in Transport Phenomena (ICATP 2022) - A Virtual Meet” organized by the School of Advanced Sciences, VIT-AP University, Amaravati held during July 16-18, 2022. ISBN 978-81-952903-0-7, P.44.
3. G. Bhanu Teja, V. V. Venu Madhav, Ch. Sri Chaitanya, P. Phani prasanthi, AVSSKS Gupta, “Study of fracture behavior of a composite laminate with central circular crack subjected to temperature fall loading”, International conference on Advanced Functional Materials Future Perspectives (AFMFP-2022), August 6th-8th 2022, organized by Dr. BR Ambedkar, NIT, Jalandhar.
4. K. Nikhil Chand, V. V. Venu Madhav, Ch. Sri Chaitanya, P. Phani prasanthi, AVSSKS Gupta, “Influence of the Laminate width on the fracture behavior of the symmetric angle-ply laminate under Thermo-mechanical loading Conditions”, International conference on Advanced Functional Materials Future Perspectives (AFMFP-2022), August 6th-8th 2022, organized by Dr. BR Ambedkar, NIT, Jalandhar.
5. V. V.Venu Madhav, Ch Sri Chaitanya, P. Phani Prasanthi, AVVKS Gupta, “ Fracture analysis of composite laminate with elliptical cut-out and a virtual crack for thermos-mechanical loading conditions”, 7th international conference on functional materials and devices (ICFMD-2022), organized by university of Malaysia, on 23-25th August 2022.
6. M. Suma Latha, A.N.Phani Deepthi,S. Surya Vamsi, N.P.S.S. Venkata Raman and Y. Gopi Krishna, “ Modelling and Static Analysis of Rotary Evaporator Parts Using Solid works”, The Second Indian International Conference on Industrial Engineering and Operations Management, NITW,Warangal, Telangana, August 16-18, 2022
7. Venkata Kiran Kumar Ravi, Naga Sai Chandrika Yarrapothu, Adhi Narayana, Rohith Parise,” Prediction of fatigue life from strain life approach using MATLAB”, International Conference in Recent Advances in Mechanical Engineering organized by IIT, Jodhpur, Rajasthan, 25th -27th August 2022.
8. N.Ravi kumar, P.Getha Satya Sai Sree, “Evaluation of tribological properties of Al5154/SiC/TiB2 Metal Matrix Composites”, 4th International conference on Innovative Product Design and Intelligent Manufacturing Systems(IPDIMS) during 25th & 26th November 2022, jointly organized by Department of industrial design and department of Mechaanical Engineering of NIT, Rourkela.

9. K. Ramanaiah, A. V. Ratna Prasad, P Akhil, K. Srinivasa Raman, K. Ravindra Akash pilot, “ Sustainable biocomposites from agro waste for thermal insulation applications”, 4th international Conference on processing and Characterization of Materials, Organized by Department of Metallurgical and Materials Engineering, NIT Rourkela during 9th-11th December 2022.
10. K. Ramanaiah, Sreeramulu M, Moses Aravind Chilaka, A.V. Ratna Prasad, “ Sustainable green composite material based on agro waste for thermal insulation applications”, International conference on Advances in Smart Materials, Chemical & Biochemical Engineering (CHEMSMART-222) organized by the Department of Chemical engineering, NIT Rurkela, during December 16th -18th 2022.
11. G. Bhanu Teja, V.V.Venu Madhav, Ch Sri Chaitanya, Satish R more, AVVKS Gupta, “Influence of the cross-fly arrangement on the fracture behaviour of fiber reinforced polymer composite laminates”, ICITM-2022 organized by NIT Jalandhar, Goa University,Goa Dec 21-23, 2022
12. K. Nikhil Chand, V.V.Venu Madhav , Ch. Sri Chaitanya, Satish R. More, A.V.S.S.K.S. Gupta ”Effect of angle-ply arrangement on fracture behavior of FRP composite laminate under the thermal and mechanical loading conditions subjected to central elliptical cut-out”, ICITM-2022 organized by DR.B.R.Ambedkar NIT Jalandhar & Academy of Innovations in Technology & Management (ATIM) Jalandhar, Dec 21-23,2022
13. D.Yaswanth sai, Ch. Sri Chaitanya, V. V. Venu Madhav, Golla Chitti babu & R.Narasimha rao “Influence of the orientation angle of the fiber on the strength of the pressure vessel ICITM-2022 organized by DR.B.R.Ambedkar NIT Jalandhar & Academy of Innovations in Technology & Management (ATIM) Jalandhar, Dec 21-23,2022
14. G. Dilli Babu, M.Bala Chennaiah, K.Dilip Kumar, T.Srinivasa Rao, K. Sivaji Babu, “A Role of Design and Development on Mechanical, Wear and Thermal Characterization of Areca Fiber Reinforced Polymer Composites”, ICRAMIE-2023 organized by Department of Mechanical Engineering, Prasad .V. Potluri Siddhartha Institute of Technology , Mar 24-25,2023
15. M.Bala Chennaiah, G. Dilli Babu, M.Sumalatha, K. Dilip Kumar , T. Srinivasa Rao, ”Pre Detection of Fire Accidents in Locomotive with Micro controller”, ICRAMIE-2023 organized by Department of Mechanical Engineering, Prasad .V. Potluri Siddhartha Institute of Technology , Mar 24-25,2023

16. K. Ramanaiah, A.V. Ratna Prasad, K. Hemachandra Reddy, Shaik. Galshid Vali, “Mechanical and Thermal characterization of wood-poly lactic acid biodegradable materials developed via 3D printing”, International Conference on Recent Advances in Mechanical and Industrial Engineering (ICRAMIE-2023) organized by Department of Mechanical Engineering, Prasad .V. Potluri Siddhartha Institute of Technology , Mar 24-25,2023.
17. K. Ramanaiah, Haroon Ali Khan, Katta Pavani, Velpula Kasi Kalyani, ”Development of bio composite materials for construction industries”, International Conference on Recent Advances in Mechanical and Industrial Engineering (ICRAMIE-2023) organized by Department of Mechanical Engineering, Prasad .V. Potluri Siddhartha Institute of Technology , Mar 24-25,2023
18. Vangipurapu Bapi Raju, Mallapuram Bala Chennaiah, Govada Rambabu, “ Finding Approximate Solution to a Very Large -scale Open Vehicle Routing Problem”, International Conference on Recent Advances in Mechanical and Industrial Engineering (ICRAMIE-2023) organized by Department of Mechanical Engineering, Prasad .V. Potluri Siddhartha Institute of Technology , Mar 24-25,2023.
19. V. V. Venu Madhav, Ch. Sri Chaitanya, P. Phani Prasanthi, A.V.S.S.K.S. Gupta, V. V.Spandana, ”Influence of The Laminate Thickness and the Thermal Loads on the Buckling of a Cylindrical Sheets”, International Conference on Materials Science and Engineering & International Conference on Nanomaterials and Nanotechnology , organized by Scissynopsis LLC, Paris, Franc, during Mar 27-28,2023.
20. M.Bala Chennaiah, G.Dilli Babu, M.Sumalatha, K.Dillip Kumar “An Influence of Tool Profile on Mechanical “Metallurgical Properties of Friction Stirred Al 6061-5083 Alloy” International Conference on Recent Advances in Mechanical Engineering (ICRAM-2022) organized by the Department of Mechanical Engineering at Indian Institute of Technology Jodhpur, Aug 25th -27th ,2022.
21. Lachipatula Upendra, Chitluri Naveen, Ponnamalla Karthik Surya, Tummala Vamsi Krishna, Dr.M.Bala Chennaiah “Hydro Energy from Archimedes Screw Turbine for Rural India”; International Conference on Recent Advances in Mechanical Engineering (ICRAM-2022) organized by the Department of Mechanical Engineering at Indian Institute of Technology Jodhpur, Aug 25-27,2022
22. S Surendra Babu, G.Dilli Babu, A.Sumalatha,K.Sivaji Babu “ Development of Smart Multi- Purpose Manufacturing Center Using Mechatronics Design” at the 2nd International conference on Mechanical Engineering and Emerging Technologies

(ICMEET 2023) Organized by the Department of Mechanical Engineering, Bapatla Engineering College, Bapatla, Andhra Pradesh, India, Mar 3-4, 2023

23. M.Sumalatha, Ch. Karthik , K.V.S.Rohith, T.Ganesh, V.Rakesh, S.Mahi Charan “Experimental Investigation on Multi material Additive manufacturing by using ABS and PLA” Two-Day International Conference on Recent Advances in Mechanical and Industrial Engineering (ICRAMIE 2023)., organized by department of Mechanical Engineering, Prasad.V. Potluri Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh. Mar 24-25, 2023
24. K. Siva Prasad, G. Chaitanya, “ Influence of Abrasive Water Jet Machining process parameters on accuracy of hole dimensions in GFRP composites” Influence of Abrasive Water Jet machining process parameters on accuracy of hole dimensions in GFRP composites”, International Conference on Advances in Mechanical Engineering & Material Sciences, organized by the school of Mechanical Engineering, VIT-AP University, Amaravati, 20th -22nd April 2023.
25. Syam Prasad Ammineni, D. Lingaraju, Ch. Nagaraju, “Aging Characterization and Degradation of Nitrile Butadiene Rubber for Viscoelastic Damping Applications”, First International Conference on Advanced Materials, Manufacturing, and Industrial Engineering- AMMIE 2023, Organized by School of Mechanical Engineering technology, VIT-AP, 23rd & 24th March, 2023
26. A.V.S.S.K.S.Gupta, V. V.Venu Madhav, Ch. Sri Chaitanya, P. Phani Prasanthi, V. V. Spandana and Lingala Syam Sundar,” Influence of Thermo-mechanical loading on the fracture properties of a composite laminate structure with elliptical cut-out”, International conference on Advanced Topics in Mechanics of Materials, Structures and Construction 12th -14th March, 2023.
27. K. Siva Satya Mohan, K. Ravi Kumar, P. Ravi Kumar, K. P. V. Krishna Varma, M. Rambabu, PVS Muralikrishna, “Comparative Heat Transfer analysis of Horizontal, Cylindrical Jet Impinging on Vertical Flat Plate”, Two-Day International Conference on Recent Advances in Mechanical and Industrial Engineering (ICRAMIE 2023)., organized by department of Mechanical Engineering, Prasad.V. Potluri Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh, Mar 24-25, 2023.
28. Ramya Chinthamaneni, Saikeerthi Chavan, Balakrishna Murthy Vallabhaneni, “Micromechanical analysis of GFRP composite with micro-level defects” International Conference on Advancements in Materials, Manufacturing and

- Automation (AMMA-2023), organized by department Mechanical Engineering, Amrita School Engineering, Chennai, 7th -8th April 2023.
29. M. Bala Chennaiah, G. Dilli Babu, K. K. Dilip Kumar, “Tribological and mechanical properties of Al6061/Sic/GO hybrid composites produced with stir casting”, International Conference on Advances in Mechanical Engineering, VIT-AP University, Amaravati 20th -22nd April 2023.
 30. GVM Abhiram, Dr. M. Balaji, R. Naveen, M. Sai Kiran, Md A H Irshad, T Bharat, “Convertible Staircase Lift”, International Conference on Sustainable Materials, Manufacturing and renewable Technologies, organized by Department of Mechanical Engineering, Federal Institute of Science and Technology on 24th -26th May 2023.
 31. Gandham Dhanya Lahari, Srinivas Prasad Sanaka, Landa Balajee, Chittineni Bala Manikanta, Mendem Beulah Pratibha and Boji Srikar, “Computational analysis on the PEM Fuel cell using COMSOL”, International conference on Recent Advance in Mechanical and Industrial Engineering, ICRAMIE-2023 organized by Department of Mechanical Engineering, Prasad .V. Potluri Siddhartha Institute of Technology , Mar 24th -25th ,2023
 32. G. Sainath, Srinivas Prasad Sanaka, CH. Balaji, MD. Ameer, G. Ganesh, “Electro thermal experimental analysis on Li-Ion battery for Electric Vehicles”, ICRAMIE-2023 organized by Department of Mechanical Engineering, Prasad.V. Potluri Siddhartha Institute of Technology, Mar 24-25,2023
 33. K. Durga Rao, S. Srinivasa Prasad and M. Manzoor Hussain, “Finite Element Analysis of Bending and Buckling of Bimetallic Cantilever Beam and Column Subjected to Free End Concentrated Load”, ICRAMIE-2023 organized by Department of Mechanical Engineering, Prasad. V. Potluri Siddhartha Institute of Technology, Mar 24-25,2023
 34. R. Naveen, M.Balaji, G.V. Abhiram, M. Sai Kiran, MD. Irshad, T. Bharth, “Treatment Of Dye Effluent With Waste Leaves And Banana Trunk”, International Conference on Automation, Robotics, Artificial intelligence, Mechatronics and Materials (ARAM²)-2023 held at SSN College of Engineering on 23rd & 24th March 2023
 35. K. Siva Prasad and G. Chaitanya, “Investigation of the Effect of Drilling Parameters on Surface Roughness during Conventional Drilling of GFRP Composites using Taguchi Technique”, ICMech-REC-2023 conducted by National Institute of Technology Warangal, Telangana from 23-25 June, 2023.

36. A.N. Phani Deepthi, Kodali Devi Saran and JVD Vamsi Krishna, "Investigations on Performance of Automotive Radiators using Nano fluid", ICMech-REC-2023 conducted by National Institute of Technology Warangal, Telangana from 23-25 June, 2023.
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