

DEPARTMENT OF MECHANICAL ENGINEERING
PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY, VIJAYAWADA

Publications (2021-22)

Web of Science		Scopus	Referred	Total Journals	International Conference		Book Chapters (Scopus)	Total Conference Publications	Total Publications
SCI	ESCI				(Scopus)	(Others)			
5	-	12	23	40	5	23	2	30	70

SCI Indexed Journals

1. Kothuri Chenchu Kishore Kumar, **Bandlamudi Raghu Kumar**, Nalluri Mohan Rao
Microstructural, Mechanical Characterization, and Fractography of AZ31/SiC Reinforced Composites by Stir Casting Method, Silicon, Springer Nature B.V. 2021, ISSN: 1876-9918, August -2021
SCI Indexed
2. **Mallampati Somaiah Chowdary**, Gujjala Raghavendra, M. S. R. Niranjan Kumar, Shakuntala Ojha, Pasala Mohan Kiran, Manoj Panchal
A comparison of the effect of Nano clay addition on microstructures and mechanical properties of epoxy and polyester reinforced glass/sisal hybrid polymer composites, Polymer Composites, Wiley Publications, April, 2022, Pg: 1-9
SCI Indexed
3. **Phani Prasanthi P**, T. Srinag, N.Raghu Ram, T. Rama Krishna, N.Chaitanya
Energy-Absorbing Capacity Of Natural Hybrid Fiber -Epoxy Composites Under Impact Loading
Journal of the Brazilian Society of Mechanical Sciences and Engineering, Springer Publication,
SCI Indexed
4. Shuguang Zhang, **Kode Srividya**, Ismail Kakaravada, Dimitrios A. Karras, Vishal Jagota, Inamul Hasan, Abdul Wahab Rahmani
A Global Optimization Algorithm for Intelligent Electromechanical Control System with Improved Filling Function, Hindawi Scientific Programming, Volume 2022, Article ID 3361027, 10 pages, March-2022
SCI Indexed
5. **P. Phani Prasanthi**, K. Sivaji Babu, M.S.R. Niranjan Kumar, N.Chaitanya
Elastic Properties of CNT Mixed/CNT Coated Sisal FRP Composites Using Experimental And Fe Methods, New Materials, Compounds and Applications, Vol.6, No.1, 2022, pp.12-26
SCI Indexed

Scopus Indexed Journals

1. Bharathi, P, Srinivasarao G. **Gopala krishnaiah P**

Multi-objective optimization in wire electric discharge machining of Ti-6AL-4v using grey relational analysis for square and circular profiles, International Journal of Modeling, Simulation, and Scientific Computing, ISSN:1793-9615, Vol-13, Issue-1, PP: 2250003-2 to 2250003-14 ,September-2021

Scopus Indexed

2. Ambreen Kalsoom, A. N. Shankar, **Ismail Kakaravada**, Prakhar Jindal, V. V. K. Lakshmi, S. Rajesh kumar
Investigation of dynamic properties of a three-dimensional printed thermoplastic composite beam containing controllable core under non-uniform magnetic fields, Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, ISSN: 1464-4207, PP: 404-412, Vol-236, Issue-2, October-2021
Scopus Indexed
3. **P. Phani Prasanthi**, K. Sivajibabu, A. Eswar Kumar
Waviness Effect of Fiber on Buckling Behavior of Sisal/Carbon Nanotube Reinforced, Composites Using Experimental Finite Element Method, International Journal of Engineering, Transactions B, Vol. 34, No. 12, ISSN: 2617-2623, (December 2021)
Scopus Indexed
4. Anupama Francy, Kothasiri Srinivasa Rao Chalamalasetti, **Gopala krishnaiah Peteti**,
Multiple Process Parameter Optimization Of Forward Extrusion Process On AA 2024, International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol. XIII, No. 2 / 2021 page: 63-75
Scopus Indexed
5. D Eswara Prasada Rao, M David Raju, **J Surendra**, A Vasu Babu, P Eswaraiah, N Ravi Kumar Reddy, Ch Rajendiran, M Venkata Basaveswara Rao,
A Facile and Efficient Synthesis of bis(Imidazo[1,2-a]pyridin-3-yl)methane and Vinyl Derivatives, Letters in Organic Chemistry, Volume 19, Issue 1, 2022, Pg: 53 – 58, ISSN (Online): 1875-6255 February-2022
Scopus Indexed
6. **K. I. Vishnu Vandana**, K.N.S. Suman
Finite Element Modelling and Experimental Investigation On Mechanical Properties And Micro Structural Studies Of Alumina-Graphene Composites, New Materials, Compounds and Applications, ISSN: 2523-4773; Volume-5; Issue:3, Page: 156-170, December-2021
7. Priyadarsini Morampudi, V.S.N. Venkata Ramana, **K. SriramVikas**, Rahul, Chitrada Prasad,
Effect of Nano ZrB₂ particles on physical, mechanical and corrosion properties of Al6061 metal-matrix nano composites through stir casting route, Engineering Research Express, March-2022,
Scopus Indexed
8. **K Sri Ram Vikas**, V S N Venkata Ramana, Koona Bhavani, Ch Kishore Reddy, V Srinivas,
Pitting Corrosion in AA7075 Friction Stir Welds on Minor Additions of Silver
J. Eng. Technol. Sci., Vol. 53, No. 6, 2021, 210607, November 2021, ISSN: 2337-5779
Scopus Indexed
9. **Rajyalakshmi, M.**, M. Venkateswara Rao
Multi-Response Optimisation of Process Parameters in Pocket Milling Using Artificial Neural Networks and Genetic Algorithms
Journal of Information and Knowledge Management, World Scientific Publications, Singapore, ISSN / e-ISSN:0219-6492 / 1793-6926, April-2022
Scopus Indexed
10. Raviteja Surakasi, K. Ch. Sekhar, **E. Kavitha**, Mandeep Singh, Bharat Singh
Evaluation of physico thermal properties of TiO₂-water mixture dispersed with MWCNTs, Nanotechnology for Environmental Engineering, March-2022
Scopus Indexed
11. Ch. Lakshmi Srinivas, P. Umamaheswar Rao, **T. Srinag**, M. C. Sekhar
Grey Relational Analysis and Principal Component Analysis based optimization of process parameters in turning of EN-8 Steel, INCAS BULLETIN, Volume-14, Issue-2, Pg: 43-51, ISSN: 2247-4528, June-2022,
Scopus Indexed

12. Murahari Kolli, **Ravi Prakash Babu Kocharla**, Dasari Sai Naresh, A. Devaraju and K. Satyanarayana,
Investigation on material removal rate and taper angle in abrasive aqua jet machining of Al 7075/SiC/Gr composites using RSM approach”, International Journal on Interactive Design and Manufacturing (IJIDeM), 08 June 2022, Springer-Verlag France SAS, part of Springer Nature 2022,
Scopus Indexed

Other Referred Journals

1. **Prasanna Kumar T J**, P Vamsi Raj Kumar, MdSaif, SkAbdurRehman,Md Abbas
Steady State Thermal Analysis to Investigate Total Heat Flux in a Fiber Metal Laminate for Variable Thickness, International Research Journal on Advanced Science Hub, (IRJASH), ISSN: 2582-4376, Volume-3, Issue Special Issue 7S, Pages 20-24, July-2021
Others/Referred
2. **K VenkataRao**, Y Kalyansai, B Saisuryavarun, P Rakesh, V Mouryachandra
Influence of Teakwood Particulates on Mechanical Behavior of Biodegradable Polyester Hemp Fiber Reinforced Composites, Journal of Emerging Technologies and Innovative Research, JETIR, July 2021, Volume 8, Issue 7, ISSN-2349-5162, PP: a762-a770
Others/Referred
3. M. Pavan Kumar, K. Prithvi Raj, B.Sridhar, **Ch. Mohan Sumanth**, Dr. K. Srividya
Oil Separator Skimmer, International Journal of Research in Engineering and Science (IJRES), ISSN (Online): 2320-9364, ISSN (Print): 2320-9356, Volume 9, Issue 7 July- 2021, PP. 01-06,
Others/Referred
4. **Koteswara Rao Unnam**, Bangaru Babu P, Nagaraju Ch
Tuning of Natural Frequencies through Geometry Modification, Levant Journal, Volume-20, Issue-7, PP:356-362, ISSN: 1756-3801, July-2021
Others/Referred
5. **Balakrishna G**, B Raghu kumar, B Bala Krishna
Multi objective prediction and optimization of control parameters of Friction stir welding on Casted AlSi10Mg plates with Taguchi – Gray Relational Analysis, Global Journal of Engineering and Technology Advances, 2021, Volume- 08, Issue-01, PP: 001–009, ISSN: 2582-5003, July-2021
Others/Referred
6. G. Ashok Kumar, B. SaiSundar, D. Ganesh Naik, **Vidya.Ch**,
Parametric Analysis of Automotive Radiator Using Silicon Oxide NanofluidasCoolant, International Journal of Research Publication and Reviews, ISSN 2582-7421, Volume-2, Issue-8, August 2021, pp: 1094-1097
Others/Referred
7. Shaiksubhni, **PhaniPrasanthi**, Bandlamudi Raghu Kumar,
An Experimental Study on Milling of Sisal and Starch Mixed Polymer MatrixComposites, Levant Journal, Volume 20, Issue-8, Pg:104-118, August-2021, ISSN: 1756-3801
Others/Referred
8. KothuriChenchu Kishore Kumar, **Bandlamudi Raghu Kumar**, Nalluri Mohan Rao,
Fabrication and Corrosion Characterization of AZ31 Mg Alloy SIC Reinforced Composites, Design Engineering, Vol-2021, Issue-5, Pg No: 2556-2570. September-2021
Others/Referred

9. K. Sai Sankaran, K.Navya Sri, **K. I. Vishnu Vandana**, M. Rajyalakshmi,
Laser Beam Machining - A Review on Current Development, International Journal of Research
Publication and Reviews, ISSN 2582-7421, Vol. 2, no. 10, pp. 245-248, October 2021,
Others/Referred
10. **M. Rajyalakshmi**, K. I. V. Vandana, M. VenkataMadhuvani, P. MadanMohand , S. Trinadh Raj ,
Sk. TabassumFarhana
Design and Fabrication of Pyramidal-Hemispherical Solar Still, International Journal of Research
Publication and Reviews, ISSN 2582-7421, Vol. 2, no. 10, pp. 150-159, October 2021,
Others/Referred
11. **M. Rajyalakshmi**, K. I. V. Vandana, L. Ravi Teja, K. BalaSaiNarendra, K. GirishBabu
Modeling, Analysis and Fabrication of Easy Fit Filter Cap, Advancement in Mechanical
Engineering and Technology, Volume 4 Issue 3, HBRP Publication Page 1-11 2021, December,
2021
Others/Referred
12. **Dr. P. Anusha**, Dr. M. Naga Swapna, Sri, V. Sravani
Experimental Reduction of Condenser Exit Temperature in VCR System with Condenser Jacket,
YMER, ISSN: 0044-0477, VOLUME: 21, ISSUE-2 (Feb) – 2022, Pg:474-487,
Others/Referred
13. **Sd. Abdul Kalam**, Siva Sankara Babu Chinka, Seshaiiah.T, Degala Rajendra
Properties of Magnesium Alloy AZ91D with TIC Reinforced Composite Material Based on
Tensile and Wear Tests, International Journal of Mechanical Engineering, Kalahari Journals, Vol.
7 No. 2 February, 2022, ISSN: 0974-5823 Pages: 3532-3538
Others/Referred
14. **E. Kavitha**, K. Sivaji Babu And M.R.S. Satyanarayana
An Investigation on Thermal And Mechanical Characteristics Of Carbon T300 And S Glass
Hybrid FiberReinforced Composites With Different Stacking Configurations, Tianjin Daxue
Xuebao (Ziran Kexue yu Gongcheng Jishu Ban)/ Journal of Tianjin University Science and
Technology, ISSN (Online): 0493-2137 E-Publication: Online Open Access Vol:55 Issue:04:2022
Others/Referred
15. **M. Naga Swapna Sri**, P.Anusha
Design and Fabrication of Automatic Bar Feeding and Cutting Mechanism, Recent Trends in
Automation and Automobile Engineering, Volume-5, Issue-1, HBRP publication, Page:1-9, May-
2022
Others/Referred
16. **P. Anusha**, M.Naga Swapna Sri
Flow over Condenser Pipes with Fins: CFD Analysis
Advancement in Mechanical Engineering and Technology, Volume-5 Issue-1, HBRP publication,
Page:1-14, May-2022,
Others/Referred
17. Nanjangud Mohan, **Sd. Abdul Kalam**, R. Mahaveerkannan, Maulik Shah, Jitendra Singh
Yadav, Vivek Sharma, Padmayya S Naik and S. Paramashivaiah
Statistical Evaluation of Machining Parameters in Drilling of Glass Laminate Aluminum
Reinforced Epoxy Composites using Machine Learning Model, Engineered Science Publisher,
June-2022
Others/Referred
18. **M.V.H Satish Kumar**, K.Venkatarao, Ch .Lakshmi Kanth, Ramakrishna Kolluru
Interaction of Advanced MHD Boundary Layer with Heat and Mass Transfer Flow, International
Journal of Early Childhood Special Education (INT-JECSE), ISSN: 1308-5581, Vol 14, Issue 02
2022 PP: 1412-1417 June-2022
Other/Referred
19. **T J Prasanna Kumar**, K Venkata Rao, Ch. Lakshmi Kanth, T Rama Krishna
Solid propellant Burn Rate Enhancements with various Grain configurations, Journal of Emerging
Technologies and Innovative Research (JETIR), (ISSN-2349-5162), June 2022, Volume 9, Issue 6,
Pg: j756-j770
Others/Referred

20. **M. Radhadevi**, K.Sai Sankaran , B.Lokesh, M. VikasDass, J. Akhil
Design and Fabrication of Leaf Drill jig for Pen holder, International Journal of Research Publication and Reviews, ISSN 2582-7421, Vol 3, no 6, pp 4767-4773, June 2022
Others/Referred
21. **K. Srividya**, Ch. Mohan Sumanth, G.V.R.D. Eswar, Akula Surya, B. Siva Prasad, Ch. Vijaya Babu,
Automatic Bike Stand Slider, International Journal of Research in Engineering and Science (IJRES), ISSN (Online): 2320-9364, ISSN (Print): 2320-9356, Volume 9, Issue 6, Ver. II June-2022, PP. 31-36
Others/Referred
22. **Dr. P. Anusha**, Mobile Peltier Cooler
International Advanced Research Journal in Science Engineering and Technology, Volume-9, Issue-6, Pg: 950-955, ISSN: 2393-8021, June-2022
Others/Referred
23. **M Naga Swapna Sri**, P Anusha, P Uthpal Ramana Pranith. A teja Sai Abhiram, B Sai Kiran Naik, A charan Teja
Emission Control Analysis on Single Cylinder 4-Stroke Diesel Engine, International Advanced Research Journal in Science Engineering and Technology, Volume-9, Issue-6, Pg: 943-950, ISSN: 2393-8021, June-2022,
Others/Referred

Conference Publications (2021-22)

1. **P Gopala Krishnaiah**, Mandula Venkaiah, Optimization in WEDM of HCHCR steel using Taguchi Method, Emerging trends in Mechanical Engineering and Industrial Automation (ICETMEIA-2k21), ISBN: 9789391420024, Organized by Department of Mechanical Engineering, Narsaraopet Engineering College, 30/07/2021 to 31/07/2021, **Others**
2. **Vidhya Chaparala**, Mandula Venkaiah, Study of Rheological characteristics of nano suspensions Emerging trends in Mechanical Engineering and Industrial Automation (ICETMEIA-2k21), ISBN: 9789391420024, Organized by Department of Mechanical Engineering, Narsaraopet Engineering College, 30/07/2021 to 31/07/2021, **Others**
3. Navuri Kartteek, Pothamsetty Kasi V Rao, **K. Ravi Prakash Babu**, D. Mojeshwara Rao, Structural Analysis of Motorcycle Alloy Wheel, E3S Web of Conferences 309, 01158 (2021), 3rd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED- ICMPC, September-2021), <https://doi.org/10.1051/e3sconf/202130901158>, **Others**
4. T. Arun Kumar, B. Sunil, **K. Srividya**, Sd. Abdul Kalam, Ch. Mohan Sumanth, Determination of mechanical properties of okra, sisal fibre and polyester based hybrid composite, ICMED2021: International Conference on Sustainable Energy and Design Aspects in Manufacturing Technology, Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, India, September 24-26, 2021, **Others**
5. **Dr. K Srividya**, Dr. Sd. Abdul Kalam, Ch Mohan Sumanth, K Sai Dikshit, Md Sameer, B Tarun Kumar, Various test specimens on emissivity assessment apparatus: An experimental approach, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022), Proceedings Page 1-9, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada
6. **Dr. P Anusha**, Dr M Naga Swapna Sri, E Kavitha, Computational Fluid Dynamics Analysis of flow over a flat plate for different fluids, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022), Proceedings Page 10-22, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada.

7. Dr. Ch. Srinivasa Rao, **Dr G Vijay Kumar**, A retrospect on Micro structural growth and mechanical characteristics of materials obtained by friction Stir processing, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022), Proceedings Page 52-60, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada.
8. **K I V Vandana**, M P Krishna Sai, K Navya Sri, Ceramic Materials Tools –A Review, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022) Proceedings Page 61-69, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada.
9. **M Rajya Lakshmi**, Dr M VenkateswaraRao, Application of artificial neural networks and genetic algorithm for optimization of process parameters in pocket milling of AA7075, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022), Proceedings Page 70-81, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada
10. K Satish, **P GopalaKrishnaiah**, G Jaswanth, Miniature liquid cooled Heat sink, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022), Proceedings Page 82-89, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada.
11. B Kamala Priya, **V Sravani**, Dr. K Dilip Kumar, Comparative analysis of eelliptical and square unit cell for the prediction of effective thermal conductivity, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022),, Proceedings Page 90-98, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada
12. **J Surendra**, Dr Ravi Kadiyala, Effect of Engine performance on nozzle variation for a Bio fuelled DI Diesel Engine, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022), Proceedings Page 99-107, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada.
13. **T J Prasanna Kumar**, B Teja, A Rohith Kumar, B HarshaVardhan, A Anil Sai, Experimental investigation of a wing wit serrations at its trailing edge using NACA 0012 airfoil, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022), Proceedings Page 108-119, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada.
14. **M. Radha Devi**, Dr. G Vijay Kumar, A study on effect of stacking sequence in SLJ with laminated FRP composite, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022), Proceedings Page 120-130, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada
15. Md. Abbas, K Dileep, K BalaSubrahmanyam, **ChVidya**, Comprehensive review on thermo physical characteristics of nano based coolants, International Conference on Recent Advances in Mechanical Engineering (ICRAME-2022), Proceedings Page 131-135, Conference Dates: 04/03/2022 and 05/03/2022, Organized by Department of Mechanical Engineering, PVPSIT, Vijayawada.
16. **T J Prasanna Kumar**, B Chaitanya Naresh, B Avinash Bhargav, M Hema Latha, B Sai Krishna, Experimental Investigation on NACA 2415 Airfoil Designed and Fabricated with different Joining Techniques, International Conference on Research Contributions in Mechanical Engineering (ICRCME-2022), Proceedings Page 34, Conference Dates: 25/02/2022 and 26/02/2022, Organized by Department of Mechanical Engineering, Seshadri Rao GEC, Gudlavalleru

17. Y. Bhagavan Pradeep, Y. Gowtham, **Sd. Abdul Kalam**, Modal and Harmonic Analysis of Work Holding Device, International Conference on Research Contributions in Mechanical Engineering (ICRCME-2022), Proceedings Page -28, Conference Dates: 25/02/2022 and 26/02/2022, Organized by Department of Mechanical Engineering, Seshadri Rao GEC Gudlavalleru
18. **Sd Abdul Kalam**, T Sessaiah, K Srividya, Damage Behaviour and failure response of aircraft composite structure by soft body impact, Materials Today Proceedings, Vol: 52, Issue-Part-3, Pg: 867-872, March-2022, **Scopus Indexed**
19. **K. Sri Ram Vikas**, Rahul , Ch. Kishore Reddy ,V.S.N. Venkata Ramana, Priyadarsini M, Ch. Prasad, Effect of Grade 5 titanium interlayer on microstructure and pitting corrosion behaviour of AA1100/A36 explosion welds, Materials Today: Proceedings, March-2022 <https://doi.org/10.1016/j.matpr.2022.03.330>, **Scopus Indexed**
20. Jaya Madhuri Mandava, Nalluri Aishwarya, Saggurthi Ramadevi, Muppalla Praveen Chowdary, vemulapalli chinmai, **Dr. P. Phani Prasanthi**, Acoustic Analysis Of Composite Materials Using Finite Element Method, ICETMIE, 2022, 4 & 5 March 2022, Springer Publications
21. Mulpuri.Nikhitha, T.Akshita, **Dr. P. Phani Prasanthi**, Analysis Of Carbon-Epoxy And Glass, Epoxy reinforced Composite Under Low Impact velocity Using Finite Element Method, ICETMIE, 2022, 4 & 5 March 2022, Springer Publications, **Others**
22. **K. I. Vishnu Vandana**, M. Rajyalakshmi, V. Chinmai, S. Rama Devi, Ceramic cutting tools for dry machining of hardened steels- A review, International Conference on Contemporary Innovations in Mechanical Engineering, (CIME-2022), Organized by RGM College of Engineering and, Technology, Nandyal, Conference Dates: 22/04/2022 and 23/04/2022, Others
23. S. Naga Kumar, P. Sasidhar, **M. Rajyalakshmi**, K. I. V. Vandana, Investigation Of Process Parameters In Abrasive Water Jet Machining Using Response Surface Methodology, International Conference on Mechanical Engineering and Emerging Technologies (MEET-2022), Organized by Dept of Mechanical Engineering, Bapatla Engineering College, Bapatla, ISBN: 978303640047, Conference Dates: 22/04/2022 and 23/04/2022, **Others**
24. **P Anusha**, M Naga Swapna Sri, E Kavitha, Dynamics of MHD Convective Flow of Walters-B Viscoelastic Fluid Past an Accelerating Permeable Surface with Mechanism of Soret-Dufour, “4th International Conference On Advances In Mechanical Engineering (ICAME 2022)”, Organized by Department of Mechanical Engineering SRM Institute of Science and Technology, Changalpattu, Tamilnadu. Conference Dates: 24/03/2022 to 26/03/2022. PP: 390
25. G. Dilli Babu, D Siva Sankar, M. Bala Chennaiah, **K. Sivaji Babu**, Experimental Investigation and Optimization of IRB6700 ABB Robot Spot Welding Process Parameters, Virtual International Conference on 3rd Innovative Product Design and Intelligent Manufacturing Systems (IPDIM2021), organized by NIR Rourkela, from 30-12-2021 to 31-12-2021.
26. Vijay Kumar K., **Kakaravada I**, Dilip Kumar Y, Design and Analysis of Multi-Tool Light Agricultural Vehicle, Intelligent Manufacturing and Energy Sustainability. Smart Innovation, Systems and Technologies, Volume-265, Pg: 472-484.
27. D Prudhvi raju, **P Anusha**, M Naga Swapna Sri, K Ganesh, Kantti Ajay, Amgotu Vasu Naik, Evaluation of Magnetic Refrigeration system as an alternative to conventional refrigeration system- A review, proceedings of International e-Conference on Recent Innovations in Mechanical Engineering (RIME) 2021, Organized by Department of Mechanical Engineering from 24/07/2021 to 25/07/2021, Pg: 74-81.
28. B Sunil, **P Anusha**, M Naga Swapna Sri, Bakka Santosh, K Jayanth, A dinesh, Condenser Jacket, proceedings of International e-Conference on Recent Innovations in Mechanical Engineering (RIME) 2021, Organized by Department of Mechanical Engineering from 24/07/2021 to 25/07/2021, Pg:24-28.
29. **Chowdary M.S**, Raghavendra G, Ojha S, Kumar M.S.R.N, Water Sorption and Solvent Sorption of Epoxy/Natural Fiber Composites, Handbook of Epoxy/FiberComposites.Springer, Singapore, Online ISBN: 978-981-15-8141-0, March 2022, Scopus Indexed

30. Jami Sai Revanth, G. Pavan Kumar, **P. Phani Prasanthi**, K.Sai Phani Teja, A. Rama Satyanaryana & G. Ashok Kumar, Failure Load of Jute–Coir Fiber Reinforced Epoxy Matrix Composites Using Micromechanics and Finite Element Method, Innovations in Mechanical Engineering (Springer Nature Publications) Part of the Lecture Notes in Mechanical Engineering book series (LNME), Print ISBN: 978-981-16-7281-1, pp: 545–555, March-2022, Scopus Indexed