

List of Publications
Department of Mechanical Engineering
GMR Institute of Technology, (Autonomous)
Affiliated to JNTU-GV, Vizianagaram
Andhra Pradesh, India

Academic Year	National Conference	National Journal	International Conference	International Journal	Books/books chapter	Total Publications	Cumulative Publications
July 2025 - January 2026	00	00	07	12	00	19	661
July 2024- June 2025	00	00	04	38	01	43	643
July 2023- June 2024	00	00	02	54	01	57	603
July 2022- June 2023	00	00	00	54	02	56	546
July 2021- June 2022	00	00	04	47	02	53	490
2020-21	00	00	01	55	07	63	437
2019-20	01	00	05	22	02	30	374
2018-19	04	00	03	31	00	38	344
2017-18	00	00	06	50	00	56	306
2016-17	01	00	05	40	00	46	250
2015-16	00	01	04	25	00	30	204
2014-15	00	00	07	23	00	30	174
2013-14	02	00	06	24	00	32	144
2012-13	04	00	08	17	00	29	112
2011-12	04	00	08	12	00	24	83
2010-11	02	00	06	04	00	11	59
2009-10	02	00	03	06	00	11	48
2008-09	00	00	04	00	00	04	37
2007-08	02	00	03	00	00	05	33
2006-07	07	00	04	00	00	11	28
2005-06	14	00	03	00	00	17	17

July 2025 – September 2025

International Conference

1. **Sajja Ravi Babu, Chiranjeeva Rao Seela, Sasikumar Gnanasekharan, M. Maruti Rao**, "Experimental Investigation on Thermophysical Properties of MWCNT-Al₂O₃/ Water Hybrid Nanofluid for Enhanced Heat Transfer Applications", AI Powered Technology Integration for Sustainability (AI-PTIS-2024), Department of Mechanical Engineering, GMR Institute of Technology, Rajam, 05.07.2024–06.07.2024, *AIP Conference Proceedings*, Vol: 3928, Issue: 1, pp. 040042-1 to 040042-9, ISSN/ISBN: 0094-243X, Indexed in: SCOPUS, <https://doi.org/10.1063/5.0279376>, First published: 09.07.2025, July, 2025
2. **Meesala Srinivasa Rao, Gummaluri Venkata Surya Subrahmanya Sharma, Korada Santarao**, "Manufacturing quality assurance of a jute mill through process capability analysis – A DMAIC approach", AI Powered Technology Integration for Sustainability (AI-PTIS-2024), Department of Mechanical Engineering, GMR Institute of Technology, Rajam, 05.07.2024–06.07.2024, *AIP Conference Proceedings*, Vol: 3928, Issue: 1, pp. 040007-1 to 040007-15, ISSN/ISBN: 0094-243X, Indexed in: Scopus, <https://doi.org/10.1063/5.0279230>, First published: 09.07.2025, July, 2025
3. **Chiranjeeva Rao Seela, Sajja Ravi Babu**, "Experimental insights and analysis for enhancing the diesel engine performance with hybrid nano-enriched biodiesel blends", AI Powered Technology Integration for Sustainability (AI-PTIS-2024), Department of Mechanical Engineering, GMR Institute of Technology, Rajam, 05.06.2024–06.06.2024, *AIP Conference Proceedings*, Vol: 3928, Issue: 1, pp. 030006-1 to 030006-5, ISSN/ISBN: 0094-243X, Indexed in: Scopus, <https://doi.org/10.1063/5.0279252>, First published: 09.07.2025, July, 2025
4. **Yegireddi Shireesha, Bade Venkata Suresh, N. Govind**, "Exploring mechanical properties and water absorption behavior in jute-carbon composites enhanced with fly ash", AI Powered Technology Integration for Sustainability (AI-PTIS-2024), Department of Mechanical Engineering, GMR Institute of Technology, Rajam, 05.06.2024–06.06.2024, *AIP Conference Proceedings*, pp. 040012-1 to 040012-12, Vol: 3928, Issue: 1, ISSN/ISBN: 0094-243X, Indexed in: Scopus, <https://doi.org/10.1063/5.0280066>, First published: 09.07.2025, July, 2025
5. **Bade Venkata Suresh, Yegireddi Shireesha, P. Srinivasa Rao**, "Impact of pesticide content and nutrients on single slope natural solar drying of onions compared to open solar drying process", AI Powered Technology Integration for Sustainability (AI-PTIS-2024), Department of Mechanical Engineering, GMR Institute of Technology, Rajam, 05.06.2024–06.06.2024, *AIP Conference Proceedings*, Vol: 3928, Issue: 1, pp. 040011-1 to 040011-13, ISSN/ISBN: 0094-243X, Indexed in: Scopus, <https://doi.org/10.1063/5.0280431>, First published: 09.07.2025, July, 2025
6. **Vykuntarao, M., Vinod Babu Chintada., Raju, B. M. V. A., & T Siva Rama Krishna**, "Improving machining productivity through image processing-based tool wear monitoring and classification using CNN and ReLU", AI Powered Technology Integration for Sustainability (AI-PTIS-2024), Department of Mechanical Engineering, GMR Institute of Technology, Rajam, 05.07.2024–06.07.2024, *AIP Conference Proceedings*, Vol: 3928, Issue: 1, pp 020036-1 to 020036-8, ISSN/ISBN: 0094-243X, Indexed in SCOPUS, <https://doi.org/10.1063/5.0279905>, First published: 09.07.2025, July, 2025

7. Ravi Kiran Mudidana, Vijay Miditana, **V. Rambabu**, "Heat transfer augmentation of hybrid nanofluids with alumina-titanium oxide dispersions: An investigational study", INTERNATIONAL CONFERENCE ON MANUFACTURING, MATERIAL SCIENCE AND ENGINEERING: ICMMSSE2024, Nalgonda, India, 16.08.2024–17.08.2024, *AIP Conference Proceedings*, Vol: 3325, Issue: 1, pp. 030046-1 to 030046-9, ISSN/ISBN: 1551-7616, Print ISSN 0094-243X, Indexed in: Scopus, <https://doi.org/10.1063/5.0291825>, First published: 03.10.2025, Final published: October, 2025.

International Journal

1. **Chilamkurti Lakshmi Venkata Ranga Sobhanachala Vara Prasad, Puvvada Naga Lakshmi Pavani, Gummaluri Venkata Surya Subrahmanya Sharma**, "Impact on Community Well-Being Through Technology Intervention for Sustainable Bamboo Processing Practice – The DMADC Methodology", *International Journal of Community Well-Being*, Vol.: 8, Issue: 2, pp. 853–872, ISSN: 2524-5295, Indexed in SCOPUS, <https://doi.org/10.1007/s42413-025-00261-4>, First published: 10.07.2025, July, 2025
2. Turubati Jagadeesh, **C. L. V. R. S. V. Prasad**, G. Swami Naidu, "Effective CuO/PCM Filled Curved-Quadrilateral Sector Thermal Energy Storage System for Battery Thermal Management", *Energy Storage*, Vol.: 7, Issue: 5, pp. e70231: 1-12, ISSN: 2578-4862, Indexed in SCOPUS, SCIE Q3, <https://doi.org/10.1002/est2.70231>, First published: 04.08.2025, August, 2025
3. Budda Venkatesh, **Bade Venkata Suresh**, Santosh Patro, "Influence of tool rotation speed on grain refinement, precipitation behavior, and corrosion behavior of friction stir processed AA6063-Cu composites", *Proc IMechE Part L: Journal of Materials: Design and Applications*, Vol.: xx, Issue: xx, pp. 1–17, ISSN: 1464-4207, Indexed in Scopus, SCI Q3, <https://doi.org/10.1177/14644207251359766>, First published: 03.07.2025, July, 2025
4. M. V. N. V. Satyanarayana, K. Arun Kumar, Adepur Kumar, G. Mrudula, Durga Janaki Venkatesh, **Bade Venkata Suresh**, Nandipati Govind, "Microstructure and Texture Driven Enhancement of Surface Properties in Water-Cooled Friction Stir Processed AA6061 Alloy", *Journal of Tribology*, Vol.: 147, Issue: 12, pp. 122201-1 to 122201-9, ISSN: 0742-4787, Indexed in Scopus, SCI Q2, <https://doi.org/10.1115/1.4069244>, First published: 13.08.2025, December, 2025
5. **Sudhakar Uppada**, G. Jamuna Rani, Yarrapragada Kss Rao, Ravikiran Balaga, "Impact of discrete heating on thermal performance of Ag, Cu, and MWCNT nanofluids in square enclosure: A CFD analysis", *Vacuum*, Vol.: 241, Issue: 11, pp. 114690-1 to 114690-11, ISSN: 0042-207X, Indexed in Scopus, SCI Q2, <https://doi.org/10.1016/j.vacuum.2025.114690>, First published: 21.08.2025, November, 2025
6. Kiran Sree Pokkuluri, **Devara Pavan Nagendra**, Amir Prasad Behera, Manmohan Singh, Sudhanshu Maurya, T. C. Manjunath, "Optimization of sustainable retrofitting using OBL-MOTLBO: a multi-objective approach to time, cost, and environmental trade-offs", *Asian Journal of Civil Engineering*, Vol.: 26, Issue: xx, pp. 5185–5203, ISSN: 1563-0854, Indexed in SCOPUS, <https://doi.org/10.1007/s42107-025-01479-5>, First published: 01.08.2025, xxxxx, 2025.

7. L. Natrayan, **Gorti Janardhan**, V. Swamy Nadh, Chidurala Srinivas, S. Kaliappan, G. Velmurugan, "Eco-friendly zinc oxide nanoparticles from Moringa oleifera leaf extract for photocatalytic and antibacterial applications", *Clean Technologies and Environmental Policy*, Vol.: 27, Issue: October 2025, pp. 5761–5773, ISSN: 1618-954X, Indexed in Scopus, SCIE Q2, <https://doi.org/10.1007/s10098-024-02814-1>, First published: 02.04.2024, Final published month: October, Final Published Year: 2025.
8. **Prashant Kumar Choudhary**, Subodh Kumar, Kulmani Mehar, "Linear buckling behavior of power and sigmoid FG cylindrical shells under axial compression or lateral pressure: a comparative study", *Aircraft Engineering and Aerospace Technology: An International Journal*, Vol.: 97, Issue: 8, pp. 968–976, ISSN: 1748-8842, Indexed in Scopus, SCIE Q3, <https://doi.org/10.1108/AEAT-01-2025-0042>, First published: 05.08.2025, Final published month: September, Final Published Year: 2025.
9. **T.R. Vijaybabu**, Budumuru Mohini, Santosh Kumar Sahu, Ali El-Rayyes, "ML prediction of magneto-thermo-solutal convection in porous body via LBM", *International Communications in Heat and Mass Transfer*, Vol.: 169, Issue: Part E, pp. 109979-1 to 109979-23, ISSN: 0735-1933, Indexed in: Scopus, SCIE Q1, DOI: <https://doi.org/10.1016/j.icheatmasstransfer.2025.109979>, First published: 31.10.2025, Final published: December, 2025.
10. **Gnanasekaran Sasikumar**, Ravichandran. A. T., Kavitha O. R., Hemalatha A., Das K. Mohan, Gupta Rupesh, Philip Jim Mathew, "Thermal and mass transfer analysis of micropolar casson nanofluids over rotating inclined surfaces with porous medium effects", *Journal of Environmental Protection and Ecology*, Vol.: 26, Issue: 6, pp. 2258–2268, ISSN: 1311-5065, Indexed in: Scopus, DOI: Nil, First published: 28.11.2025, Final published month: November, Final published year: 2025.
11. M. V. N. V. Satyanarayana, Krishna Prakash Arunachalam, Pedro Naranjo Lamilla, Poondla Chiranjeevi, Durga Janaki Venkatesh, **Bade Venkata Suresh**, Nandipati Govind, "Surface Characterization and Comparison of AA2024 Subjected to Multiple Severe Plastic Deformation Techniques", *Journal of Engineering Materials and Technology*, Vol.: 148, Issue: 2, pp. 021005, ISSN: 1528-8889, Indexed in: Scopus, SCIE Q3, DOI: <https://doi.org/10.1115/1.4070362>, First published: 20.11.2025, Final published month: April, Final published year: 2026.

July 2024 - June 2025

International Conferences:

1. Ravi Kiran Mudidana, Vijay Muditana, **V. Rambabu**, "Synthesis of nanofluids preparation – A review", 4th Innovative Product Design and Intelligent Manufacturing Systems (IPDIMS 2022), Department of Industrial Design, National Institute of Technology, Rourkela Odisha, India, 25.11.2022–26.11.2022, *Materials Today: Proceedings*, Vol.: 115, pp. 265–273, ISSN: 2214-7853, Indexed in: SCOPUS, <https://doi.org/10.1016/j.matpr.2023.09.086>, First published: 15.09.2023, December, 2024.
2. Ravi Kiran Mudidana, Vijay Muditana, **V. Rambabu**, "Influence of Stability Improvement Methods Over the Thermal Conductivity of Al₂O₃-DI Nanofluids", 5th Innovative Product Design and Intelligent Manufacturing Systems (IPDIMS 2023), Department of Industrial Design, National Institute of Technology (NIT), Rourkela, Odisha, India, 06.12.2023–07.12.2023, *Lecture Notes in Mechanical Engineering*, pp. 287–297, ISSN/ISBN: 978-981-97-6731-1 (Print), 978-981-97-6732-8 (Online), Indexed in: SCOPUS, https://doi.org/10.1007/978-981-97-6732-8_26, First published: 17.11.2024, November, 2024.
3. Sudhakara Rao Bammidi, Vijay Muditana, **Ravibabu Sajja**, "Synthesis of Hybrid Nanofluids, Properties, and Its Applications—A Comprehensive Review", 5th Innovative Product Design and Intelligent Manufacturing Systems (IPDIMS 2023), Department of Industrial Design, National Institute of Technology (NIT), Rourkela, Odisha, India, 06.12.2023–07.12.2023, *Lecture Notes in Mechanical Engineering*, pp. 221–232, ISSN/ISBN: 978-981-97-6731-1 (Print), 978-981-97-6732-8 (Online), Indexed in: SCOPUS, https://doi.org/10.1007/978-981-97-6732-8_21, First published: 17.11.2024, November, 2024.
4. **Bappa Mondal**, B. Vamsi Krishna, B. Sai Suresh, Ch. Jagadeeswara Rao, B. Dhana Sekhar, Ch. Uma Maheswara Rao, A. Mohan Sai, "A Short-Term Review on Self-charging Solar Drone for Different Applications", International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2023), Department of Mechanical Engineering, National Institute of Technology (NIT), Silchar, Assam, India, 03.02.2023–05.02.2023, *Lecture Notes in Mechanical Engineering*, pp. 217–230, ISSN/ISBN: 978-981-97-4166-3 (Print), 978-981-97-4167-0 (Online), Indexed in: SCOPUS, https://doi.org/10.1007/978-981-97-4167-0_19, First published: 02.02.2025, February, 2025.

International Journals

1. **Sajja Ravi Babu**, Basha Shaik Ahammad, **Sasikumar Gnanasekaran**, Prathipati Pradeep Kumar, "Effect of Inclination and Thermoelectric Material on the Performance of Solar PV-Thermo Electric Cooling System", *Ecological Engineering & Environmental Technology*, Vol.: 25, Issue: 7, pp. 251–259, ISSN: 2719-7050, Indexed in: SCOPUS, <https://doi.org/10.12912/27197050/188599>, First published: 01.06.2024, June 2024
2. Gokulan Ravindiran, Sivarethinamohan Rajamanickam, **Gorti Janardhan**, Gasim Hayder, Avinash Alagumalai, Omid Mahian, Su Shiung Lam, Christian Sonne, "Production and modifications of biochar to engineered materials and its application for environmental sustainability: a review", *Biochar*, Vol.: 6, pp. 1-27, ISSN: 2524-7972, Indexed in: Scopus, SCIE Q1, <https://doi.org/10.1007/s42773-024-00350-1>, First published: 21.06.2024, June 2024

3. **Naga Lakshmi Pavani Puvvada**, Polarao Ronanki, M. Satyanarayana Gupta, "Enhancement of heat dissipation capacity with the application of nano fluids in an internal cooling system", *International Journal on Interactive Design and Manufacturing (IJIDeM)*, Vol.: 18, pp. 2765–2780, ISSN: 1955-2513, Indexed in: SCOPUS, SCIE Q3, <https://doi.org/10.1007/s12008-023-01321-9>, First published: 19.05.2023, July 2024
4. **Sasikumar Gnanasekaran**, N. Seethalakshmi, N. Shanmugapriya, V.S. Hemachandira, "An integrated approach for evaluation of best Oil spill cleaning methods by analytical hierarchy process and multi-objective optimization by ratio analysis", *Journal of Integrated Science and Technology*, Vol.: 12, Issue: 6, pp. 831, ISSN: 2321-4635, Indexed in: SCOPUS, <https://doi.org/10.62110/sciencein.jist.2024.v12.831>, First published: 10.06.2024, June 2024
5. **Venkata Surya Subrahmanya Sharma Gummaluri**, "Postdigital concerns relating to teaching and learning of machine drawing", *International Journal of Mechanical Engineering Education*, Vol.: 52, Issue: 4, pp. 479–499, ISSN: 0306-4190, Indexed in: SCOPUS, <https://doi.org/10.1177/03064190231199248>, First published: 05.09.2023, October 2024
6. Marukurthi V N V Satyanarayana, Sagar Yanda, Kethavath Kranthi Kumar, **Bade Venkata Suresh**, Durga Janaki Venkatesh, Rajani Kanth Reddy Kolagotla, Kumar Raja Gudar, "Effect of multi-pass overlapping friction stir processing on fatigue behavior of Al-Cu alloy", *Proceedings of the Institution of Mechanical Engineers Part L: Journal of Materials: Design and Applications*, Vol.: 239, Issue: 6, pp. 1051-1062, ISSN: 1464-4207, Indexed in: SCOPUS, SCIE Q3, <https://doi.org/10.1177/14644207241276721>, First published: 26.08.2024, June 2025
7. **Sudhakar Uppada**, Sagar Yanda, Kishore Kumar Kandi, P. Prakash, Durga Venkatesh Janaki, "Effect of Accumulative Roll Bonding on Microstructure and Mechanical Behavior of Al6061", *Journal of The Institution of Engineers (India): Series D*, Vol.: 106, pp. 599–610, ISSN: 2250-2122, Indexed in: SCOPUS, <https://doi.org/10.1007/s40033-024-00805-6>, First published: 28.08.2024, April 2025
8. Veerendra D, Miguel Villagomez-Galindo, Ana Beatriz Martínez Valencia, Niranjana KR, Arora Jasmineet Kaur, Upendra Kumar Potnuru, Jasgurpreet Singh Chohan, **Bade Venkata Suresh**, Sudhanshu Maurya, "Unitary Root-MUSIC Method With Nystrom Approximation for 3-D Sparse Array DOA Estimation in Sensor Networks", *IEEE Sensors Letters*, Vol.: 8, Issue: 10, pp. 1-4, ISSN: 2475-1472, Indexed in: SCOPUS, SCIE Q3, <https://doi.org/10.1109/LSENS.2024.3451723>, First published: 29.08.2024, October 2024
9. K. Venkateswara Reddy, **M. Vykuntarao**, Kishore Kumar Kandi, Rama Bhadri Raju Chekuri, Raju Chekuri, Durga Venkatesh Janaki, M. V. N. V. Satyanarayana, "Microstructure, Texture Evolution and Mechanical Characteristics of Ultrafine-Grained Structure in Friction Stir Processed Aluminum Alloys", *Journal of The Institution of Engineers (India): Series D*, Vol.: 106, Issue: 1, pp. 591–597, ISSN: 2250-2122, Indexed in: SCOPUS, <https://doi.org/10.1007/s40033-024-00804-7>, First published: 25.08.2024, April 2025
10. **Gummaluri Venkata Surya Subrahmanya Sharma**, Meesala Srinivasa Rao, Chilamkurti Lakshmi Venkata Ranga Sobhanachala Vara Prasad, Sujana Chamarty, "Physical Visualization for the Well-Being of the Hearing Impaired – A DMAIC Methodical Approach", *International Journal of Community Well-Being*, Vol.: 7, Issue: Nill, pp. 715–739, ISSN: 2524-5295, Indexed in: SCOPUS,

<https://doi.org/10.1007/s42413-024-00228-x>, First published: 12.09.2024, December 2024

11. Ark Dev, Kunalkumar Bhatt, **Bappa Mondal**, Vineet Kumar, Mohit Bajaj, Milkias Berhanu Tuka, "Enhancing load frequency control and automatic voltage regulation in Interconnected power systems using the Walrus optimization algorithm", *Scientific Reports*, Vol.: 14, Issue: 1, pp. 27839, ISSN: 2045-2322, Indexed in: Scopus, SCIE Q1, <https://doi.org/10.1038/s41598-024-77113-2>, First published: 13.11.2024, November 2024.
12. **M. Vykunta Rao**, K. Venkateswara Reddy, **Bade Venkata Suresh**, **Ch Vinod Babu**, **S. Chiranjeevarao**, M. V. N. V. Satyanarayana, "Investigation of Vibratory-Assisted TIG Welding on Al6063 Alloy: Microstructural Behavior, Mechanical Properties, and Machine Learning-Based Hardness Prediction", *Journal of The Institution of Engineers (India): Series C*, Vol.: 106, Issue: 1, pp. 83–95, ISSN: 2250-0545, Indexed in: SCOPUS, <https://doi.org/10.1007/s40032-024-01128-x>, First published: 12.11.2024, February 2025.
13. Sudhir Behera, Ibrahim A. Alnaser, **Gorti Janardhan**, Pushendra Kumar Dwivedi, Jayaprakash Murugesan, Anindya Basu, Asiful H. Seikh, Krishna Dutta, "Effect of Ultrasonic Shot Peening on Surface Mechanical and Wear Behavior of Aluminum 7075-T651 Alloy", *Journal of Materials Engineering and Performance*, Vol.: 33, Issue: 23, pp. 13004–13018, ISSN: 1059-9495, Indexed in: SCOPUS, SCIE Q3, <https://doi.org/10.1007/s11665-024-10352-6>, First published: 11.11.2024, December 2024
14. **Bade Venkata Suresh**, G. V. R. Seshagiri Rao, Govind Nandipati, **Y. Shireesha**, "Study on the structure, DC electrical resistivity and magnetic properties of Co 0.7 Cu 0.2 Zn 0.1 Fe 2-x Cr x O 4 nano ferrites", *Applied Physics A*, Vol.: 130, Issue: 12, pp. 2-10, ISSN: 0947-8396, Indexed in: Scopus, SCIE Q2, <https://doi.org/10.1007/s00339-024-08084-4>, First published: 22.11.2024, November 2024.
15. Keshavamurthy R, K Venkateswara Reddy, P. Bhargavi, **Bade Venkata Suresh**, Durga Venkatesh Janaki, Kumar Raja Gudaru, M.V.N.V Satyanarayana, **Y Sireesha**, "Tribological and mechanical behavior of AL 2014 aluminum alloy influenced by microstructure and texture evolution after equal channel angular processing", *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, Vol.: xx, Issue: xx, pp. 1-13, ISSN: 1464-4207, Indexed in: SCOPUS, SCIE Q3, <https://doi.org/10.1177/14644207241301595>, First published: 05.12.2024, December 2024.
16. **Sasidhar Gurugubelli**, V. V. S. Kesava Rao, "Optimization of hardness, tensile strength and fatigue life of micro plasma arc welded super duplex stainless steel UNS S32750 using grey relational analysis", *International Journal on Interactive Design and Manufacturing (IJIDeM)*, Vol.: 19, Issue: April 2025, pp. 2999–3013, ISSN: 1955-2513, Indexed in: SCOPUS, SCI Q3, <https://doi.org/10.1007/s12008-024-02179-1>, First published: 13.12.2024, April, 2025.
17. **Gummaluri Venkata Surya Subrahmanya Sharma**, **Annepu Lakshumu Naidu**, **Korada Santarao**, **Bade Venkata Suresh**, **Pankaj Kumar**, **Yegireddi Shireesha**, **Kambala Simhadri**, **Sasidhar Gurugubelli**, **Bappa Mondal**, **Uppada Sudhakar**, **Prashant Kumar Choudhary**, **Nammi Govinda Rao**, **Gorti Janardhan**, **Kattela Siva Prasad**, **Sanjay Kumar Gupta**, **Chintada Vinod Babu**, **Sajja Ravi Babu**, **Seela Chiranjeeva Rao**, **Puvvada Naga Lakshmi Pavani**, **Matta Vykunta**

Rao, Thappali Rajendran Vijaybabu, Avinash Alagumalai, Meesala Srinivasa Rao, Gnanasekaran Sasikumar, Velamala Rambabu, Chilamkurti Lakshmi Venkata Ranga Sobhanachala Vara Prasad, "Formative Learning Through a Spatial Visualization-Based Cadathon Contest", *Journal of Formative Design in Learning*, Vol.: 8, Issue: 2, pp. 113–128, ISSN: 2509-8039, Indexed in: SCIE Q3, <https://doi.org/10.1007/s41686-024-00096-w>, First published: 27.12.2024, December, 2024.

18. **K. Siva Prasad**, Sunnam Nagaraju, **S. Chiranjeeva Rao**, Muralikrishna Boni, "Experimental investigation on dynamic wireless charging system for electric vehicles using different shape coils", *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, Vol.: 47, Issue: 1, pp. 593–606, ISSN: 1556-7036, Indexed in: SCOPUS, SCIE Q3, <https://doi.org/10.1080/15567036.2024.2443946>, First published: 18.12.2024, January 2025.
19. **K. Simhadri**, P. Srinivasa Rao, Manikant Paswan, "Effect of biodiesel and nano particles on the performance and emission characteristics of CI engine at various fuel injection pressures–critical review", *Global NEST Journal*, Vol.: 27, Issue: 1, pp. 1–7, ISSN: 1790-7632, Indexed in: SCOPUS, SCIE Q4, <https://doi.org/10.30955/gnj.05397>, First published: 25.11.2024, January, 2025.
20. Venkateswara Reddy K, **Rambabu V**, G Mrudula, P Prakash, Durga Janaki Venkatesh, Rajesh Mudunuri, M V N V Satyanarayana, "Effect of shot peening on microstructural features, residual stress behavior, and hardness of aluminum alloy 2014", *Engineering Research Express*, Vol.: 7, Issue: 1, pp. 01-10, ISSN: 2631-8695, Indexed in: SCOPUS, SCIE Q2, <https://doi.org/10.1088/2631-8695/adaad9>, First published: 24.01.2025, January 2025.
21. J. P. Ananth, **Pankaj Kumar**, M. Belsam Jeba Ananth, R. Cristin, "Effective Charging Scheduling of Electric Vehicles Using a Hybrid Deep Learning Network", *Energy Science & Technology*, Vol.: 7, Issue: 1, pp. 01-18, ISSN: 2578-4862, Indexed in: SCOPUS, SCIE Q3, <https://doi.org/10.1002/est2.70120>, First published: 28.01.2025, February 2025.
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21. M.V.A.Raju Bahubalendruni, U.Sudhakar, K.V.Vara Lakshmi, "**Subassembly Detection and Optimal Assembly Sequence Generation through Elephant Search Algorithm**", International Journal of Mathematical, Engineering and Management Sciences, Vol. 4, Issue 4, 2019, pp 998-1007, ISSN: 2455-7749 (Indexed in free scopus) Q2
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 2. G.V.S.S.Sharma, P.Srinivasa Rao and B. Surendra Babu "**Generation of Sequence of Machining Operations through Visualization of End Product**", In: Shunmugam M., Kanthababu M. (eds) Advances in Forming, Machining and Automation. Chapter 58, DOI: https://doi.org/10.1007/978-981-32-9417-2_58, Print ISBN978-981-32-9416-5, Online ISBN978-981-32-9417-2, Lecture Notes on Multidisciplinary Industrial Engineering. Springer, Singapore (Non-Scopus).
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2018-19 :

National Conference:

1. U. Sudakar, “**Thermo-Mechanical Modeling of Friction-Stir Welding in Dissimilar Aluminium alloys**”, Proceedings of the 3rd International Conference on Design, Analysis, Manufacturing and Simulation (ICDAMS-2018) on April 06 & 07, 2018 organized by Department of Mechanical Engineering, Saveetha School of Engineering, Chennai.
2. B.M.V.A. Raju, G. Anil Kumar, “**Practically Feasible Optimal Assembly Sequence Planning with Tool Accessibility**”, 3rd International Conference on Materials and Manufacturing Engineering (ICMME-2018) on 08-03-2018 to 09-03-2018 Organized by Department of Mechanical Engineering, SCSVMV university, Kanchipuram, Chennai.
3. M.Sekar, B.D.Deepak, I.Kantharaj, "A Novel Wi-Fi Embedded System to Measure and Analyze Temperatures in Metal Cutting", 5th National Level Conference on ‘Emerging Trends In Electrical, Electronics And Computer Engineering’, organized by JCT College of Engineering and Technology, Coimbatore, held on 4th April 2018.
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2018-19 :

National Journal:

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2018-19 :

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1. C.L.V.R.S.V. Prasad, I. Dharma Rao, K. Santa Rao, “**Experimental Investigations to Study the Effect on Coefficient of Friction and Heat Transfer Coefficient in the Lubricants with Nano Blending**”, International Mechanical Engineering Congress and Exposition, held on 03-11-2017 to 09-11-2017 organized by ASME, Tampa, Florida, USA
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3. Vinod Babu Chintada , Ramji Koona, **“Preparation and Properties of composite electroless Ni-P-ZnO coatings”** material research innovations , <https://doi.org/10.1080/14328917.2019.1582740>, ISSN: 1432-8917 (Print) 1433-075X (Online), (Scopus Indexed) Q3
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- Server Environment**", International Journal of Mechanical Engineering education, Published online first on 01-01-2018. ISSN: 2050-4586, Indexed in Scopus. Q2
26. B.B.V.L. Deepak, Balamurali.G, B.M.V.A. Raju, B.B. Biswal, "**Assembly Sequence Planning using Soft Computing Methods: A Review**", "Proc. Institute of Mechanical Engineers Part E: J. Process Mechanical Engineering, Published online on 29-03-2018. ISSN: 2041-3009, Indexed in SCI with impact factor of 1.448, Indexed in Scopus.
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 29. A. Lakshumu Naidu, K. Srinivas, "**Experimental Study of The Mechanical Properties of Banana Fiber and Groundnut Shell Ash Reinforced Epoxy Hybrid Composite**", International Journal of Engineering, Volume-31, Issue-4, pp-184-191, April 2018. ISSN : 1735-9244, Indexed in ESCI, Scopus.
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 31. A.Sarvana Kumar, K.Santa Rao, G.Nandini, "**Influence of Alumina Nano Powder Mixed Dielectric Fluid in Electric Spark Machining of AISI D3 Steel**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol.8, Issue-2, pp. 1257-1264, April 2018. ISSN: 0976-6359 (Indexed in Scopus)
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2017-18 :

2017-18 :

National Conference:

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2017-18 :

National Journal:

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2017-18 :

International Conference:

1. Ch.Vinod Babu, "**A Review on Recent Trends in Surface Coatings**", 3rd International Conference on Materials and Manufacturing Engineering (ICMME-2018) held at Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Chennai on 8th and 9th March, 2018.

2. A.Lakshumu Naidu, “**Study of Process Parameters of Friction Stir Welded AA7020 AL**”, International Conference on Mathematical Sciences in Engineering Applications (ICMSEA-2018) held at BABA Institute of Engineering and Technology, Vizag during 22nd to 24th December, 2017.
3. A. Lakshumu Naidu, “**Mechanical Behavior of Layered Silicate Composites from Nagavali River**”, International Conference on Advances in Materials and Manufacturing Engineering (ICAMME 2018) held at Acharya Nagarjuna University, Guntur during 22nd to 24th January, 2018.
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6. K. Sandeep and M. Sekar, "**Experimental Analysis of Properties of Biolubricant Derived from Palm Kernel Oil**" International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST) - PDME 2018, held at Government College of Engineering, Trissur, Kerala, 19th Jan 2018.

2017-18 :

International Journals:

1. B.M.V.A. Raju, “**An Efficient Method for Exploded View Generation through Assembly Coherence Data and Precedence Relations**”, World Journal of Engineering, Published online first. (ISSN: 1708-5284) (Indexed in ESCI, Scopus) Q3
2. D. Srinivasa Kumar and K.V.S. Prasad, “**A Logical Investigation of Demographic Characteristics of Human Population in Selected Area of Srikakulam District**”, International Journal of Mechanical Engineering and Technology (IJMET), Vol. 9, Issue 2, pp. 539-546, February 2018. (ISSN: 0976 – 6340, Indexed in Scopus)
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4. D. Abhishekkrishna, M. Anusha, A. Saravana Kumar, “**Role of Solid Lubrication in Materials**”, International Journal for Research and Development In Technology, Vol. 8, Issue 6, pp. 355-359, December 2017.
5. Balamurali Gunji, B.B.V.L.Deepak, M.V.A.Raju Bahubalendruni and Bibhuti Bhushan Biswal, “**An Optimal Robotic Assembly Sequence Planning by Assembly Subsets Detection Method using Teaching Learning-Based Optimization Algorithm**”, IEEE Transactions on Automation Science and Engineering, Published online first. ISSN: 1545-5955. (Indexed in SCI, SCOPUS) Q1
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2016-2017:

National Conference:

1. M.Srinivasa Rao, “Reliability Analysis based on Condition Monitoring of Process Equipments”, presented at two day National Conference on Recent Advances in Mechanical Engineering (RAME-2017), Organised by the Department of Mechanical

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2016-2017:

National Journal:

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2. A. Lakshumu Naidu, P. S. V. Ramana Rao, P. Suman, M. V. A. Raju Bahubalenruni, " Processing and Mechanical behavior of Nagavali clay for layered Silicate Composite Materials", International Conference on Advances in Materials and Manufacturing (ICAMM- 2016), Organized by University College of Engineering, Osmania University and DRDO, Hyderabad, 8th to 10th, December 2016.
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2015-2016:

National Conferences:

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National Journals:

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International Conferences:

1. P. Sai Chaitanya, T.V.S. Siva, B. Suneela Rani, “Thermo Electric Power Generation using Heat from Exhaust Gas – A Recent Review”, 3rd International Conference on Innovations in Information Embedded and Communication Systems (ICIIECS), Organized by Karpagam Engineering College, Sponsored by IEEE, March 2016
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3. C.L.V.R.S.V Prasad Chilamakurti, Naga Laxmi Pavani Puvvada, Ramji Koonna and Venkata Ramana Swarna, “Experimental Investigations to Evaluate the Performance of Alternate Striped Coated Carbide Inserts in Turning of AISI 1040 Steel”, International Manufacturing Science and Engineering Conference (MSEC2015), , Proceedings of the ASME 2015, pp 1-10, 8th to 12th June, 2015.
4. V. Chitti Babu, “Fracture Toughness of Reversed Dished End Pressure Vessels”, Asian International Conference on Science, Engineering & Technology (AAICSET), Akshar Publications, organized at Hotel Surya, Vadodara during 11th – 12th October, 2014. (Submitted in May 2015)

International Journals:

1. U. Sudhakar and J. Srinivas, "Impact resistance and hardness modeling of Aluminum alloy welds using square-headed friction stir welding tool", IOP Conference series: Material Science and Engineering, Volume 115, March 2016.
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2. T.D.J Prabha, P. Ramesh Babu, V. Rambabu, "Diesel Engine Performance Improvement with Biodiesels- A Review", International Journal of Thermal Technologies, INPRESSCO, Vol.5, No.2, pp. 106-111, June 2015 (Indexed in Google Scholar, Index Copernicus)
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2. K.Vijaya Kumar, P. Saicahitanya“ **Periodic simulation for fluid flow in tubes using CFD “** National mconference at Mallareddy Engineering College on 20 to 21 Sep-2013

National Journals:

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1. P. N. L. Pavani^{a*} , Dr.C.L.V.R.S.V.Prasad^b , Dr.K.Ramji^c,Dr.S.V.Ramana^d , “**Design and Fabrication of Micro Grooves on the Rake Face of Tungsten Carbide Cutting Tools with an Array of Nanofilms**”, International Conference on Advances in Manufacturing and Materials Engineering, AMME 2014, NITK, Surathkal, during 27th-29th March 2014. AMME 2014 proceedings will be published by Elsevier journal” Procedia Material Science”.
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 4. Dr M. Srinivasa Rao, A.Suneetha “ **Reliability Evaluation based performance analysis of a process industry**” National Conference of Green Engineering and Technologies -2013 on 16th to 17th March 2013 Centurion University of Technology Management Department of Mechanical Engineering , Odisha.

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8. Penta Srinivasa Rao S V Ramana “**An Artificial Intelligence Approach to Optimize Solid Lubricant Particle Weight Percentage in the Machining of Hardened Steel** “ International conference on Mechanical and Industrial Engineering (ICMIE 2012), SILCHER, ASSAM, India 12th to 12th August 2012

International Journals

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3. D.Murali mohana Rao,CLVRSV Prasad,T.Ramakrishna “ Experimental and simulated studies on temperature Distribution for Various Disc Brakes” International journal of Research in Mechanical Engineering and Technology ,,Vol.3,Issue 1 ,Pp 34-39 April 2013
4. P.Govinda Rao, CLVRSV Prasad, D.Sreeramulu, V.Chittibabu, M.Vykunta Rao “**Determination of Residual Stresses of Welded Joints Prepared Under The Influence of Mechanical Vibrations by Hole Drilling Method and Compared by Finite Element Analysis** “International Journal of Advanced Research in Engineering and Technology (IJARET), Volume 4,issue 2, March 2013
5. P.Ramesh Babu , V. Rambabu and S.Ravi babu “ **Performance and combustion characteristics of DI-Diesel engine with neat MME and DEE** “ International journal of Engineering Technology and advanced Engineering, Vol.3.Special issue Pp:153 – 159, 3Feb 2013,
6. V.Rambabu, “**Evaluation Of Performance and Emission of A VCR DI Diesel Engine Fuelled With Preheated CsME** “ Global journal of Research in Engineering, Vol 12, issue 6, Pp: 11-19 Dec – 2012
7. V J J Prasad , P. Ramesh Babu and V Rambabu , ” **Investigation on emission and combustion with 100 % palm kernel methyl ester as fuel on VCR-DI-diesel engine**” , International journal of energy and power engineering Vol 6, issue 9, Pp: 1416-1423 - 2012
8. S.Chiranjeevarao AV Sitaramaraju V J J Prasad and D Linga Raju, “ **Studies of the emission characteristics of a single cylinder diesel engine fueled with diesel, Linseed derived derived bio-diesel and its blends** “ International journal of Science and Technology ISSN : 2229-7677 Vol 2, issue 6 pp: 267-278, Aug- Sep - 2012
9. R.Umamaheswara Rao,S.Snatosh Kumar and M.Santhi Kumar “ **Preparation and characterization of polymer nano components for damping** “ International journal of Engineering research and application Vol.2,issue.4 , PP 1451-1458, July-August - 2012
10. A.K.Matta R.Umamaheswara Rao and CLVRSV Prasad “ **Construction of a test bench for bike rim break motor** “ IOSR Journal of Engineering, Vol 2,Issue 8, PP 40-44 , August - 2012
11. M.Santhi Kumar, R. UmamaheswaraoS.Santosh Kumar “ **Failure analysis of journal bearing during startup** “ IRACST - Engineering Science and Technology An international journal (ESTIJ) Vol.2, issue.4, Pp 812-814, August - 2012
12. P.Govinda Rao,Srinivasa rao P,GopalaKrishna A and Sarkar MMM “ **Affect of vibratory welding process to improve the mechanical properties** “ International Journal of Modern Engineering Research (IJMER) Vol.2,Issue 4, PP 2766-2770, July - August 2012,
13. D.Linga Raju S.Chiranjeeva Rao V J J Prasad and AVS Rajau, “**Fuelling diesel engine with diesel, linseed derived biodiesel and its blends at different injection pressures: performance studies** “ International Journal of Management, IT and Engineering Vol.2,Issue 7 PP 53-65 , July - 2012

14. PS Rao, KMK Chowdari, V Sekhar Babu and P Govinda Rao, “ **Synthesis of Nano Titanium Dioxide Power using MWP (microwave plasma) and its characterization** “ International Journal of Modern Engineering Research (IJMER) Vol 2, Issue 3, pp 1150- 1156, May-June 2012.
15. V Rambabu, V J J Prasad and V Rambabu, “ **Performance analysis of Di-Diesel engine at different injection pressures using Jatropa Methyl Ester** “ International Journal of Thermal Technologies Vol 2, issue 2, June - 2012.
16. V J J Prasad and K Prasada Rao , “**Performance and Emission Analysis of Diesel Engine Using Neat Linseed Methyl Ester Along with Methanol as Dual Fuel** “ ,International Journal of Thermal Technologies, Vol 2, issue 2 , June - 2012..
17. A K Matta , P.Ramesh Babu and R Umamaheswara Rao “**Design and Analysis of Steam Turbine Blades using FEM** “ International Journal of Mechanical Engineering Research Volume2,issue 2, pp. 67-73, June - 2012

2011-2012

National Conferences

1. VJJ Prasad “ **Use of plastic diesel as fuel for CI Engine** “ National conference Modren trends in Mechanical Engineering (M-TIME) ,Gandhi Institute of Engineering & Technology, Gunupur, Orissa on 18 -02 - 2012
2. VJJ Prasad and V Rambabu, “ **Micro Algae as the dependable source for energy security** “ National Conference of chemical engineers on Bio-fuels towards energy security and environment protection , Visakhapatnam on 30th Sept and 1st Oct - ,2011
3. V Rambabu and VJJ Prasad, “**Performance and emission analysis of Di Diesel Engine using 100% linseed methyl ester along with methanol as fuel** “ ,National Conference of chemical engineers on Bio-fuels towards energy security and environment protection , Visakhapatnam on 30th Sept and 1st Oct - ,2011
4. P.Sriniva Rao and S.V.Ramana , ” **An Experimental Approach To Investigate the Lubrication of Nano-Crystalline Boric Acid** “,National Conference on Emerging Trends in Mechanical Engineering- 2K11 Aksheyaa College of Engineering, Kanchipuram Dist, Tamilnadu on 6th August - 2011

National Journals

- Nil -

Inter National Conference

1. P.Laxminarayana ,P Govinda Rao, MVS Babu and PS Rao “ **Reduction of residual stresses in welded joints using mechanical vibrations and analysis using finite element method** ” International conference on Materials processing and characterization ICMPC 2012 ,Hyderabad 8-10 march 2012,
2. P. Ramesh Babu, K. Prasada Rao and VJJ Prasad “**Experimental studies on a DI Diesel engine run with methyl ester injection and methanol carburetion** “ ,International conference on Recent Advances or challenges in Energy 2012, , Manipal, Karnataka.,4- 6 Jan - 2012 ..

3. M Anil Kumar and P.Ramesh Babu “ **Convective Heat Transfer Analysis of Gas Turbine Blades using Finite Element Methods**” Proceedings of International Conference on Computational Methods in Manufacturing (ICMM 2011) IIT, GOWHATI, December 15, 2011
4. C.L.V.R.S.V. Prasad, S.V.Ramana, and P.N.L. Pavani, “ **Prediction of Surface Interactions At Chip Tool Interface Using Mamdani Fuzzy Inference System**” International Conference on Nanotechnology and Biosensors (ICNB-2) -2011, Raghu Engineering College, Visakhapatnam , From 28-29, December - 2011
5. Bajani Shaik S.V.Ramana “**Investigation and Development of Mathematical Correlations of Cutting Parameters for Machining Titanium with CNC WEDM** “ International Conference on Mechatronics, Robotics and Manufacturing, ICMRM-2011 Interscience campus P.O, Kantabada, Dist.Kurda, Odessa, From 11-12 December - 2011
6. S.V.Ramana “ **Experimental Investigations with respect to material Removal Rates and Tool Wear for Contoured Tools**” International Conference on Technology and Innovation, ICTI-2011 ,Green park, Chennai, on 26th July 2011
7. VJJ Prasad, P. Ramesh Babu and P Govinda Rao “ **Bio Diesel(JME as an alternate fuel in a Diesel Engine with the exhaust gas recirculation to reduce NOx “** ,International Conference on Thermal Energy & Environment – INCOTEE 2011 Kalasalingam University, Krishnakoil, Virudunagar Dist, Tamilanadu, from 24th to 26th March,2011
8. P Ramesh Babu ,VJJ Prasad and V Rambabu “ **Experimental Investigation on Emission & combustion by Implementation of 100% Palm Kennel methyl Ester on VCR DI Diesel Engine ”** First India International Energy Summit- 2011,VNIT, Nagpur ,on 28th to 30th Jan. - 2011

Inter National Journals:

1. P. Ramesh Babu and K. Prasada Rao “ **The role of oxygenated fuel addition alloy with Mahuka Methyl Ester to estimate performance and emission analysis of DI- Diesel Engine**” International Journal of Thermal Technologies, Vol 2 issue 1, Pp 119 – 127 ,Mar – 2012
2. SudhirKumar.J VJJ Prasad, Venkata subbiah.K and VV Prasada Rao P “**Experimental studies on a DI-CI engine using blends of fuel with plastic diesel derived from plastic waste at 250 bar injection pressure** “ International journal of current Engineering and Technology, Vol 1 issue.1 Pp 159-165 March - 2012
3. P. Ramesh Babu and BV Appa Rao “**Combustion Heat Release Estimation of Explore best blend of Mahua methyl ester and Diethyl Ether as cetane Improver** “International Journal of Engineering Science and Metallurgy, Vol 2 ,issue.1, Pp 385-394 Feb – 2012
4. A.K. Matta , D. Venkata Rao , P. Ramesh Babu and R.Umamaheswara Rao “ **Analysis of Gas Turbine Blades with materials N155& INCONEL 718** “ International Journal of Advances in Science and Technology, Vol 4 , Issue 1, Pp 46-50 Jan – 2012
5. P.Ramesh babu, VJJ.Prasad , N.Hari Babu and BV Apparao “ Combustion and Performance Analysis of DI-Diesel Engine Fuelled with Neat Mahua Methyl ester along with Oxygenated fuel (DEE) as an additive “IRME , vol. -6, PP 147- 152 Jan 2012 Praise Worthy Prize
6. P.Ramesh babu, N.Hari Babu and BV Apparao “ Potential of Diethyl ester as a supplementary Oxygenated fuel with Mahua Methyl ester to improve performance and emission characteristics of diesel engine“ fundamental journal of Thermal sciences and engineering, vol. -2, Issue -1, PP 1- 12 ,Jan 2012

7. G.Bhanu Kiran, KNS Suman, N.Mohan Rao and R.Umamaheswara Rao **“A study on the influence of hot press forming process parameters on mechanical properties of green composites using Taguchi experimental design”** International Journal of Engineering Science and Technology Vol 3 , Issue 4, Pp 253 – 263 Dec – 2011
8. R.Umamaheswara Rao S.Krishna Madhavi KNS Suman, and G.Bhanu Kiran, **“ Elimination of Multi- Resonse correlation while applying Taguchi Philosophy in optimization of process parameters for preparation of PLA and Pcl bio polymer blends through compression molding”** International journal of Industrial Engineering technology, Vol 3 , Pp 351-368 Nov – 2011
9. R.Umamaheswara Rao **“Toughening of Polylactide by melt blending with a biodegradable polycaprolactone”** International journal of Advanced Materials science , Vol . 2 , issue 2 ,Pp 241-248 Aug – 2011
10. R.Umamaheswara Rao KNS Suman, VVS Kesava Rao and G.Bhanu Kiran, **“ Study of rheological and mechanical properties of biodegradable polylactide and polycaprolactone blends”** International Journal of Engineering Science and Technology Vol 3 , Issue 8, Pp 253 – 263 Aug – 2011
11. R.Umamaheswara Rao KNS Suman, VVS Kesava Rao B Satyanarayana and G.Bhanu Kiran **“ Selection of optimal process parameters for preparation of PLA and PCL Bio- Polymer blends through compression molding”** Automotive Mechanical and Aerospace Engineering Research , Vol .2, Pp, 272-281 June - 2011
12. P.Srinivasa Rao and S.V.Ramana **“A metal cutting approach to investigate the tribological properties of nano crystalline boric acid and the effect of its carrying medium”** International Journal on Advanced Materials Research Vol 223(2011) pp 359-368 2011

2010-11

National Conferences

1. GVSS Sharma CLVRSV Prasad and RL Naidu **“Expression for Mean Fluctuation Velocity Bearing Surfaces”** Gitam, Visakhapatnam, 15th & 16th, April - 2011
2. B Aswani Kumar **“Mesh Free Methods- Beyond FEM”** , Mechanical Engineering Students Conference (MESCON’ 10), AU, Visakhapatnam , Sep 23 and 24 - 2010,

National JournalsNIL

Inter National Conference

1. S V Ramana K Ramji and B.Styanarayana **“A metal cutting approach to investigate the tribological properties of nano crystalline boric acid and the effect of its carrying medium”**, 13th CIRP International Conference on Modeling of Machining Operation , Catholic University of Portugal, Sintra, Portugal May 12th & 13th - 2011
2. P.Ramesh babu VJJ Prasad and V Rambabu **“Experimental Investigations of Evaluating the performance by implementing 100% PKME on a VCR D I Diesel Engine”**

International Mechanical engineering Congress and Exposition (IIES-2011), VNIT, Nagpur , 28th to 31st Jan.2011

3. Ramu.N, Gandhi M, Mohan krishna K and Satyanarayana B **“Investigation on Slurry Abrasion Wear behaviors of weld deposited steel “**,3rd International & 24th AIMTDR Conference-2010, Department of Mechanical Engineering, AU College of Engineering (A) Andhra University, Visakhapatnam 13th to 15th Dec. - 2010
4. S V Ramana K Ramji and B.Styanarayana **“Experimental investigations on the tribological behavior of the nano sized solid lubricant in the machining of AISI 1040 steel”**, 3rd International & 24th AIMTDR Conference-2010, Department of Mechanical Engineering, AU College of Engineering (A) Andhra University, Visakhapatnam 13th to 15th Dec. – 2010
5. CLVRSV Prasad, S V Ramana S.Srikanan and K Ramji **“ Experimental investigations for characterization and analysis of rake face of the WC-Co inserts using Taguchi method”**, ASME International Mechanical Engineering Congress and Exposition , during November 12-18, 2010 ASME
6. S V Ramana K Ramji and B.Styanarayana **“Performance Evaluation of Solid lubricant and its Nano Regime when machining of AISI 1040 steel I”** International Conference on Synthesis, Characterization, Consolidation and Modeling of Nanomaterials, Department of Metallurgical Engineering, PSG College of Technology, Coimbatore India, 5 - 6, March 2010

Inter National Journals:

1. R Umamaheswara Rao **“A Study on the influence of hot press forming process parameters on mechanical properties of green composites using Taguchi Experimental Design “** International Journal of Engineering science and Technology Vol.3,issue 4, Pp 253- 263, June – 2011.
2. V Rambabu and VJJ Prasad T Subramanyam and B.Styanarayana,” **Evaluation of Performance, Combustion Characteristics Emission of DI-Diesel Engine Fueled with preheated cotton seed methyl ester”** International Journal of Mechanical Engineering (IREM) - Vol.4 ,issue 5 Pp. 502-506, July – 2010
3. J.Ganesh Kumar, M Chowdary, V.Ganesan and RK paretkar **“High Temperature design curves for high nitrogen grades of 316LN Stainless steel”**, International Journal of Nuclear Engineering & Design ELSEVIER vol. 240,Pp 363-137 – 2010
4. S V Ramana K Ramji and B.Styanarayana **“Influence of nano-level variation of solid lubricant particle size in the machining of AISI 1040 steel “**International Materials Engineering Innovation, Vol 2,Issue 1 PP : 16-22 2011 Indrescience Enterprises Ltd

2009-10

National Conferences:

1. P.S.Rao **“Expert System for Welding process selection using MADM Approaches “** , National confarence on Advanced Materials & Processing (AMP) JNTU, Vzm Nov.2009
2. P.S.Rao and .MV S Babu **“Nano Characterization by Nano indentation and its simulation using ANSYS”** , National conference in emerging trends in Mechanical engineering,(SNIST), Hyderabad 01st and 02nd july,2009.

National Journals:NIL.....

Inter National Conference:

1. S V Ramana, K Ramji and B. Satyanarayana “**Experimental Investigation on the influence of variation of wt% of nano sized solid lubricant in the machining of AISI 1040 steel** “ Indo French Workshop cum international Confer on Nano Sc. & Nano Technology, Ansal Institute of Technology, Gurgaon from 12th to 19th October,09
2. V.Rambabu VJJ Prasad , Dr T.Subramanyam and B.Satyanarayana “ **Analysis of performance combustion and emissions on a variable compression ratio Diesel engine fueled with cotton seed Methyl ester** “International conference on advances in mechanical engineering Aug 2009, SV national institute of technology Surat
3. VJJ Prasad, P.Srinivasa Rao and N Hari babu “ **Evaluation of best compression ratio for considering performance combustion and emission analysis on VCR- Diesel engine fueled with Mahua Methyl Ester** “International conference on advances in mechanical and building sciences ICAMB Dec 2009, VIT , Vellore Tamilnadu

Inter National Journals:

1. SV Ramana , K Ramji, B. Sataya narayana ,, Studies on the behaviour of the green particulate fluid lubricant in its nano regime when machining AIAI 1040 steel “ Journal of Engineering Manufacture, Vol 224 part B Pp : 1491-1499 Januray 2010
2. V.Rambabu VJJ Prasad , Dr T.Subramanyam and B.Satyanarayana “**Comparison of performance and combustion parameters and Emissions on a variable compression ratio diesel engine fueled with CsME** “International Journal of Applied Engineering. Research , Vol.4 issue 11, Pp 2291 - 2306 Nov – 2009
3. CLV RSV Prasad and S.Srikiran “**Functional Failure analysis of Pandrol Clip** “ , International Journal of Applied Engineering. Research , Vol.4 issue 11, Pp 2329-2336 Nov - 2009
4. VJJ Prasad, N.Hari babu and BV Appa Rao “**Reduction of NO_x in the exhaust gas of DI-Diesel Engine fueled with mahua methyl ester along with exhaust gas recirculation**” International Journal of Renewable and sustainable Energy (American Institute of Physics Journal) Oct -2009
5. M V S Babu “**Microprocessor based position and velocity control of pneumatic, Actuators for low cost applications** “International Journal of Applied Engineering. Research, Vol.4 issue .8 Pp 1499-1506 Aug.2008
6. N. Hari BabuG. Ravikiran Sastry, VJJ Prasad and BV Appa Rao “**Experimental studies on a DI-CI Engine Run with Pongamia Methyl Ester Injection and Methanol Carburetion**” International Journal of Internal Review of Mechanical Engineering., Vol.3 issue.4 Pp 489 – 493 July. 2009.

2008-09

National Conferences:

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National Journals:

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Inter National Conference:

1. V J J Prasad, K Prasada Rao and P.Govinda Rao “**Recent Trends in Material and Mechanical Engg 2008**”, International Conference Paper, Dr Mahalingam College of Engg, Polachi, Chennai 18-20th December 08
2. CLVRSV Prasad, and Mr.S.Srikiran “**Performance Analysis of a Pandrol Clip**”, International Seminar on “Modeling, Simulation and Manufacturing Systems”, AU College of Engineering, Visakhapatnam, on 29-30 June 2008
3. .S V Ramana, “**Newer coating materials for dry machinery – A state of art review in Nano Technology Perspective**”, International Seminar on “Modeling, Simulation and Manufacturing Systems”, AU College of Engineering, Visakhapatnam, on 29-30 June 2008
4. S V Ramana, “**Experimental investigations on the influence of variation of wt% of nano sized solid lubricant in the machining of AISI 1040 steel**”, International Seminar on “Modeling, Simulation and Manufacturing Systems”, AU College of Engineering, Visakhapatnam, on 29-30 June 2008

Inter National Journals:

NIL

2007-08

National Conference:

1. R.Umamaheswara Rao, “**Optimal Path Selection For pick and place application of SCARA ROBOT by Using GA- Case Studies**”, National Conference on Emerging Trends in Mechatronics and Instrumentation (ETMI-2007), Venkateswara University, Tirupati. On 29-30, June 2007
2. R.Umamaheswara Rao and P.Ramesh Babu, “**Optimal Control Parameters Selection of HDPE Pipe Extrusion for improving withstanding Pressure**” National Conference on Emerging Trends in Mechatronics and Instrumentation (ETMI-2007), Venkateswara University, Tirupati. On 29-30, June 2007

National Journals:

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Inter National Conference:

1. V J J Prasad, “**Experimental Investigation to reduce the exhaust pollution of Laboratory based DI Diesel engine with the application of Mahaua Methyl Ester and hydrogen total replacing petro diesel fuel**”. International Conference ICONICE-2007., JNTU, Hyderabad, on 6-9th December 2007
2. V J J Prasad and V.Rambabu. “**Effect Of Change In Injection Pressure On Performance Of A Diesel Engine Fuelled By Diesel, Diesel-Bio-Diesel Blends And 100% Bio-Diesel (Jatropha Methyl Ester)**”. International Conference ICONICE-2007., JNTU, Hyderabad, on 6-9th December 2007

3. R.Umamaheswara Rao, “**Optimal Path Selection For pick and place application of SCARA ROBOT by Using GA- Case Studies**” International Conference on Advanced design and Manufacturing (ICADM-2007) , Sethu Institute of Technology, Pulloor, Kariapatti – T.N, 626 106 On 9-11, August 2007

Inter National Journals:

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2006-07

National Conferences:

1. R.Umamaheswara Rao, and P.Ramesh Babu “**Optimal Control Parameters Selection of HDPE Pipe Extrusion for improving withstanding Pressure**”, ETMI-2007, Venkateswara University, Tirupati. On 29-30, June 2007
2. R.Umamaheswara Rao, “**Optimal Path Selection For pick and place application of SCARA ROBOT by Using GA- Case Studies**”, ETMI-2007, Venkateswara University, Tirupati. On 29-30, June 2007
3. P.Srinivasa Rao, and P Venkata Kumar, “**Vibration isolation performance of a full car suspension system model using delayed resonator vibration absorber**” , National conference, organized by AIMS-07, KCIT, Coimbatore on 22-24 March2007
4. P.Ramesh Babu and V J J Prasad, “**Experimental Investigations On ‘Esterified Rice Bran Oil on 4stroke Single cylinder – Kirlosker Diesel Engine**”, National Conference on Emergin Trends in Thermal Engineering Competitive Manufacturing and Management 2007, St. Joseph’s college of Engineering, Chennai on 30th January 2007
5. P.Srinivasa Rao and S.Srikiran, “**Attribute Variables for Expert System for selection of welding process**”, National Conference on Factory Automation, Robotics And Soft Computing (FARSC-07) , NIT, Warangal, 18-19 January 2007
6. V.Rambabu, and Mr.Saurabh Gupta “**Use of Ammonia for Air Conditioning Application**”, National Conference, “TIME-2006”, KITS – Warangal during 29th -30th December 2006
7. R.Umamaheswara Rao and P.Ramesh Babu “**On Investigation of Optimum M/C parameter for tuning through Taguchi Approach**”, ETME-2006, SRKREC, Bhimavaram on 22nd & 23rd December 2006.

National Journals:

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Inter National Conference:

1. P.Srinivasa Rao, “**Advances in Machine Design and Industry Automation**”, International Conference, ICAMDIA’07, 10-12th January,2007
2. V J J Prasad and Mr.P.Ramesh Babu “**C F D Analysis over the Eductor Diffuser System for the I R Suppression**”, International Conference E D A F Symposium, Bangalore, International Conference E D A F Symposium at Bangalore on 11th – 12th January 2007
3. B.Murali Krishna,”**The use of CSO in Direct Injection Diesel Engine as an Alterntive Fuel**”, ICBFV2015, Engineering College Bikaner, Rajasthan, 13th-15th October 2006.
4. B.Murali Krishna, ”**Renewable Biodiesel from CSO- a Fuel Option for Diesel Engines**”, ISEC2006, Denver USA , 8-13th July 2006

Inter National Journals:

Nil

2005-06

National Conferences:

1. Saurabh Gupta, **“Under Floor Air Conditioning”**, National Conference on State of the art in Technologies in Mechanical Engineering (NCSAME 06,) JNTU College of Engg., Hyderabad, 5th & 6th May 2006
2. B.Murali Krishna, **“Determination of Properties of Prospective Bio-diesel Fuel for Diesel Engines”**. National Conference on State of the art in Technologies in Mechanical Engineering (NCSAME 06,) JNTU College of Engg., Hyderabad, 5th & 6th May 2006
3. P.Srinivasa Rao, **“Experimental Design through Taguchi Technique to improve the quality of Ring Casting”**, National Conference on Applications of Advanced quality methods in Engineering & Technology, (AAQMT – 2006), Erode Sengunthar Engineering College – Erode – Tamilnadu, 23rd -24th February 2006
4. M.Srinivasa Rao, **“Software oriented Inventory control approach for Welding electrodes”** “National Conference “ NCRTM, KITS college of engineering, Kolhapur, (M.S), 7th , 8th , January , 2006.
5. B.Murali Krishna, **“CATCON-An immediate solution to reduce exhaust emissions of I.C Engines”**, National conference on Advances in Mechanical Engineering (AIME-2006), Jamia Milla Islamia, New Delhi, Jan 20th-21st 2006
6. P.Srinivasa Rao, and N.V.S.Shankar,” **“A feature Based Approach for Automatic Process Planning”**, National conference on Computer Applications in Mechanical Engineering, CAME 2005, JNTU, Ananthapur, 21st December 2005
7. B.Murali Krishna, **Effect of Nozzle hole shape on the performance of single cylinder Direct Injection Diesel Engine**, National Conference on Computer Applications in Mechanical Engineering (CAME-2005), JNTU College of Engineering, Anantapur , 21st December 2005
8. B.Murali Krishna, **“Energy conservation in boiler application through efficient utilization of steam”**, National conference on emerging technologies and Applications (ETA-2005), Computer Science Department of Saurashtra University, Rajkoti and Amoghsidhi education society, Sangli, 1st -2nd October 2005.
9. **Saurabh Gupta, “Energy Conservation in Fired Equipments”**, National conference on emerging technologies and Applications (ETA-2005), Computer Science Department of Saurashtra University, Rajkoti and Amoghsidhi education society, Sangli, 1st -2nd October 2005.
10. Saurabh Gupta, **“Introduction to ERA for Simulation of refrigerators”**, National Conference, Academic Staff College, Rajkot, 1st and 2nd October 2005
11. M.Srinivasa Rao, **“A Computer Aided Approach for Achieving Total Quality Control”**, National Conference on “CS department of saurashtra University, Rajkot – 360 005, Jointly with Amoghsiddhi Education society, Sangli on 1st and 2nd , oct-2005.

12. B.Murali Krishna, “An analytical approach to solve tensional vibration problem of multi cylinder I.C engines”, National Conference on Computational Methods in Mechanical Engineering (COMPUTIME), Osmania University, Hyderabad, 16th-17th September 2005.
13. M.Srinivasa Rao, “**SQC Based Expert System for a Process Industry**”, National Conference on “ National Conference on Computational methods in Mechanical Engineering (COMPUTIME) , Osmania University, Hyderabad, 15th Sept. 2005
14. N.V.S.Shankar, “**Obstacle avoidance using stereo vision system**”, National seminar on Advances in Image Processing and Robotics, MIT, Chennai, Jan 2005

National Journals:

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Inter National Conference:

1. M.Srinivasa Rao, “ **Statistical quality control based expert system for a Jute processing industry**”, International conference, “INCREASE 2005, IIT, Kharagpur , extension centre, Bhubanaswar , 21st to 23rd , December, 2005
2. B.Murali Krishna, “**Performance evaluation of single cylinder diesel engine using Biodiesel**” 14th ISME International conference on ME in Knowledge Age, Delhi college of Engineering, Delhi 12th to 14th Dec. 2005
3. B.Murali Krishna, “**Biodiesel form CSO**” International Conference on Environment, JNTU, Hyderabad, 27th to 30th oct, 2005

Inter National Journals:

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