

List of Publications
Department of Mechanical Engineering
GMR Institute of Technology, Rajam – 532127
Autonomous Institute, Affiliated to JNTU-K,
Kakinada
Andhra Pradesh, India

Academic Year	National Conference	National Journal	International Conference	International Journal	Books/books chapter	Total Publications
2021-22	00	00	04	17	01	22
2020-21	00	00	01	55	07	63
2019-20	01	00	05	22	02	30
2018-19	04	00	03	31	00	38
2017-18	00	00	06	50	00	56
2016-17	01	00	05	40	00	46
2015-16	00	01	04	25	00	30
2014-15	00	00	07	23	00	30
2013-14	02	00	06	24	00	32
2012-13	04	00	08	17	00	29
2011-12	04	00	08	12	00	24
2010-11	02	00	06	04	00	11
2009-10	02	00	03	06	00	11
2008-09	00	00	04	00	00	04
2007-08	02	00	03	00	00	05
2006-07	07	00	04	00	00	11
2005-06	14	00	03	00	00	17

2021-22:

2021-22:

National Conferences:

-----NIL-----

2021-22:

National Journals:

-----NIL-----

2021-22:

International Conferences:

1. Santarao K., Suresh Ch., Prasad C.L.V.R.S.V., “Application of Taguchi Procedure to Decide Optimum Variable Levels for Powder Blended EDM”, **First International Conference on Future Technologies in Manufacturing, Automation, Design and Energy**, Organized by Department of Mechanical Engineering National Institute Of Technology Puducherry, 28 - 30 December 2020.
2. Vinod Babu Chintada, Sasidhar Gurugubelli and Sudhakar Uppada, “ **Review on Materials and Method Used to Develop Antimicrobial Coatings in Medical and Food Processing Industry**”, Recent Advances in Manufacturing, Automation, Design and Energy Technologies, Proceedings from ICOFT 2020, Lecture Notes in Mechanical Engineering, Springer Nature Singapore Pte Ltd. 2022. Pp. 57-63. (Indexed by SCOPUS) https://doi.org/10.1007/978-981-16-4222-7_7
3. Fathimunnisa Begum, Sasidhar Gurugubelli and N. Ravi Kumar, “ **Observational Exposition of Metal Matrix Composite Aluminum 6069 (Al) Fraction Variance Strengthened with Molybdenum (Mo) and Coconut Shell Ash (CSA)**”, Recent Advances in Manufacturing, Automation, Design and Energy Technologies, Proceedings from ICOFT 2020, Lecture Notes in Mechanical Engineering, Springer Nature Singapore Pte Ltd. 2022. Pp. 105-113. (Indexed by SCOPUS) https://doi.org/10.1007/978-981-16-4222-7_12
4. Vykunta Rao, M., Raju Bahubalendruni, M. V. A., & Chintada, V. B. (2022). “**General Regression Neural Network-Based Frame Work for the Evaluation of Ultimate Tensile Strength of Vibratory-Assisted Welded Joints**”, Recent Advances in Manufacturing, Automation, Design and Energy Technologies, pp. 173-180, Springer, Singapore

2021-22:

International Journals:

1. M Moorthi, A Murugesan, Avinash Alagumalai, “**Enhancement of fuel properties of Manilkara zapota biodiesel blend by doping green-synthesized silver nanoparticles**”,

- Applied Nanoscience. September 2021 (ISSN: 2190-5517) (Indexed in : SCIE and scopus) (Impact factor: 3.7) (<https://link.springer.com/article/10.1007/s13204-021-02088-9>) Q2
2. Sasidhar Gurugubelli, Rama Bhadri Raju Chekuri, T.Rajasanthosh Kumar, “**The Method Combining Laser Welding and Induction Heating at High Temperatures was Performed**”, Design Engineering, Vol. No. 2021, Issue No. 5, pp. 592-602, May 2021. (ISSN No. : 0011-9342) (Indexed in : scopus) (Impact Factor: No Impact Factor) (<http://www.thedesignengineering.com/index.php/DE/article/view/1569>)
 3. D. Srinivasa kumar, A. T. Ramprasad, "**Working capital management a proxy to examine firm profitability: Evidence from Indian housing finance companies**". Turkish Journal of Physiotherapy and Rehabilitation, Vol. No. 32, Issue No. 2, May 2021. (ISSN No.: 2651-4451) (Indexed in: Scopus) (Impact Factor: No. Impact Factor) (<https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-384.pdf>)
 4. Dr. V. Rambabu, A. Lakshumu Naidu, “**Study on the Effect of Inclination Angle on Heat Transfer Enhancement of a Ferrofluid and Kerosene in a Closed Loop Oscillating Heat Pipe**”, Turkish Journal of Computer and Mathematics Education, Vol. No. 12, No. 11, pp. 4895-4910, May 2021 (ISSN No.: 1309-4653) (Indexed in: Scopus) (Impact Factor: No. Impact Factor) (<https://dergipark.org.tr/en/pub/turkbilmate>)
 5. Ambarish Maji, Tuhin Deshamukhya, Gautam Choubey, Anupam Choubey, ‘**Performance evaluation of perforated pin fin heat sink using particle swarm optimization and MCDM techniques**’, Journal of Thermal Analysis and Calorimetry, 2021, pp. 1-18. (ISSN No. 1388-6150) (Indexed in Scopus and SCI) (Impact Factor: 2.471) (<https://link.springer.com/article/10.1007/s10973-021-10872-6>)
 6. Sanjay Kumar Gupta, Rahul Dev Misra, “Flow boiling performance analysis of copper-titanium oxide micro-/nanostructured surfaces developed by single-step forced convection electrodeposition technique”, Arabian Journal for Science and Engineering, June 2021 (ISSN No.: 2193-567X) (Indexed in Scopus and SCI) (Impact Factor: 1.711) (<https://link.springer.com/article/10.1007/s13369-021-05850-x>)
 7. Sasidhar Gurugubelli, V.V.S.KesavaRao, ‘**Inclusive Review on Welding of Duplex Stainless Steels**’, Advances in Mechanical Engineering, Lecture Notes in Mechanical Engineering, June, 2021, pp. 393-403. (ISSN No. 2195-4356) (Indexed in Scopus) (https://doi.org/10.1007/978-981-16-0942-8_38)
 8. Gummaluri Venkata Surya Subrahmanya Sharma, Chilamkurti Lakshmi Venkata Ranga Sobhanachala Vara Prasad, Velamala Rambabu, “**Online machine drawing pedagogy— A knowledge management perspective through maker education in the COVID-19 pandemic era**”, Knowledge and Process Management, 2021 (ISSN No.: 1099-1441) (Indexed in: Scopus) (Impact Factor: No. Impact Factor) (<https://onlinelibrary.wiley.com/doi/epdf/10.1002/kpm.1684>) SCIMago: Q3
 9. Kakala Sanjeevarao, P.N.L. Pavani, Ch. Suresh, Pakanati Anil Kumar “**Experimental investigation on VCR diesel engine fuelled with Al₂O₃ nanoparticles blended cottonseed biodiesel - diesel blends**”, Materials Today: Proceedings, 46, pp.301-306, (ISSN No.: 2214-7853) (Indexed in: Scopus) (Impact Factor: No. Impact Factor) (<https://www.sciencedirect.com/science/article/pii/S2214785320359046>) SCIMago: Not yet assigned quartile
 10. G.V.S.S. Sharma, P. Srinivasa Rao, B. Surendra Babu, “**Establishing Process Capability Indices in a Sugar Manufacturing Industry – an Industrial Engineering**

- Perspective**”, Jordan Journal of Mechanical and Industrial Engineering, Vol. 15, No. 4, pp. 319-328, (ISSN No.: 1995-6665) (Indexed in: Scopus) (Impact Factor: No. Impact Factor) (http://jjmie.hu.edu.jo/vol-15-4/01-jjmie_8_21.pdf) SCIMago: Q3
11. S. Ravi Babu, N.V.A Ravi Kumar, P. Ramesh Babu “**Effect of moisture and sonication time on dielectric strength and heat transfer performance of transformer oil based Al₂O₃ nanofluid**”, International Journal of Advanced Technology and Engineering Exploration, Vol. 8, Issue 82, pp. 1222-1233, (ISSN No.: 2394-7454) (Indexed in: Scopus)(ImpactFactor:NoImpactFactor)(<https://accentsjournals.org/PaperDirectory/Journal/IJATEE/2021/9/9.pdf>) SCIMago: Not available
 12. Avinash Alagumalai, Omid Mahian, Mortaza Aghbashlo, Meisam Tabatabaei, Somchai Wongwises, Zhong Lin Wang, “**Towards Smart Cities Powered by Nanogenerators: Bibliometric and Machine Learning–Based Analysis**”, Nano Energy, Vol. 83, Article 105844, May 2021. (ISSN No. 2211-2855) (<https://www.sciencedirect.com/science/article/abs/pii/S2211285521001026>) (Indexed in SCI) (Q1)
 13. Vinod Babu Chintada, Ramji Koon, MVA Raju Bahubalendruni, “State of Art Review on Nickel-Based Electroless Coatings and Materials”, Journal of Bio-and Tribo-Corrosion, vol 7, no. 4. PP.1-14, 2021. (Indexed by SCOPUS) (Q2) <https://link.springer.com/article/10.1007/s40735-021-00568-7>
 14. Avinash Alagumalai, Caiyan Qin, KEK Vimal, Evgeny Solomin, Liu Yang, Ping Zhang, Todd Otanicar, Alibakhsh Kasaeian, Ali J Chamkha, Mohmammad Mehdi Rashidi, Somchai Wongwises, Ho Seon Ahn, Zhao Lei, Tabassom Saboori, Omid Mahian, “**Conceptual analysis framework development to understand barriers of nanofluid commercialization**”, Nano energy, Vol. No.92 (ISSN: 2211-2855) (Indexed in SCI) Q1 (<https://doi.org/10.1016/j.nanoen.2021.106736>)
 15. Vijaybabu T. R. “**Impression of porous body and magnetic field on the double-diffusive mixed convection traits**”, International Journal of Mechanical Sciences vol 215 (ISSN: 0020-7403) (2021): pp. 106955 (Indexed in SCI) Q1, I.F: 5.329, (<https://doi.org/10.1016/j.ijmecsci.2021.106955>)
 16. Dr. Chiranjeeva Rao Seela, “**Optimization of Nano Emulsified Biodiesel Lubricants**”, Design Engineering, vol 2021, no. 9. PP.831-843, Dec2021 (Indexed by SCOPUS, Q4, <http://thedesignengineering.com/index.php/DE/article/view/7019>)
 17. Yegireddi.shireesha, Nandipati.govind “**Optimization using response surface methodology and artificial neural network in geared drilling**” International Journal of Modern Manufacturing Technologies, vol XIII, no. 2. PP.116-123, December 2021 (Indexed by SCOPUS) Q3 https://www.ijmmt.ro/vol13no22021/14_Y_Shireesha_1.pdf

2021-22:

Books/Book Chapters:

1. M. Sai Baba, Pankaj Kumar, and G. Sireesh Kumar, ‘**A Review on Pulse Tube Refrigerator**’, Advances in Mechanical Engineering, Lecture Notes in Mechanical Engineering, First Online 27 June, 2021, pp. 433-445. (ISBN No. 978-981-16-0942-8)

(Indexed in Scopus) (https://link.springer.com/chapter/10.1007%2F978-981-16-0942-8_42)

2020-21:

2020-21:

National Conferences:

-----NIL-----

2020-21:

National Journals:

-----NIL-----

2020-21:

International Conferences:

1. S.SatyaPrasad, V.Rambabu, S.Ravibabu, “**Experimental Investigation of Radiator HeatTransfer Efficiency using Water + Ethylene Glycol based Al₂O₃, SiC Nanofluids**”, IOP Conference Series: Materials Science and Engineering, ICMME 2020, Vol. 954, No.1, p. 012031, November 2020. (ISSN No. 1757-899X) (<https://iopscience.iop.org/article/10.1088/1757-899X/954/1/012031/pdf>) (Indexed in: Scopus)

2020-21:

International Journals:

1. Sanjay Kumar Gupta, Rahul Dev Misra, “**Flow boiling heat transfer performance of copper-alumina micro-nanostructured surfaces developed by forced convection electrodeposition technique**”, Chemical Engineering and Processing: Process Intensification, Vol. No. 164, p.108408, April 2021. (ISSN No. : 0255-2701) (Indexed in : SCI and scopus) (Impact Factor: 3.731) (<https://www.sciencedirect.com/science/article/abs/pii/S0255270121001100>)
2. Sushanth H. Gowda, A. Avinash, K. Raju, “**Production optimization of Vateria Indica biodiesel and performance evaluation of its blends on compression ignition engine**”, Sustainable chemistry and policy, Vol. 22, April 2021. (ISSN: 2352-5541) (Indexed in SCIE)
3. Fan Fangfang, Avinash Alagumalai, Omid Mahian, “**Sustainable biodiesel production from waste cooking oil: ANN modeling and environmental factor assessment**”,

- Sustainable energy technologies and assessment, Vol. 46, April 2021. (ISSN: 2213-1388) (Indexed in SCIE) (Q1)
4. Prabhu, A.V., Alagumalai, A. & Jodat, A. "**Artificial neural networks to predict the performance and emission parameters of a compression ignition engine fuelled with diesel and preheated biogas–air mixture**". J Therm Anal Calorim (2021). (ISSN No.:1588-2926) Mar 2021 (Indexed in: SCI & Scopus) (Impact Factor: 2.731) (<https://link.springer.com/article/10.1007/s10973-021-10683-9>)
 5. Avinash Alagumalai, OmidMahian, Frank Hollman, Wuyuan Zhang, "**Environmentally benign solid catalysts for sustainable biodiesel production: A critical review**", Science of the total environment, Vol. 768, Feb 2021. ISSN: 0048-9697 (Indexed in SCI) (Q1)
 6. Vinay Sai Kumar Devarapu, S. Ranganathan, "**Numerical Model and Simulation of Photovoltaic Cell Heat Transfer Performance Integrated with PCM**", Shankar S., Rajeshkumar G. (Eds) Materials, Design, and Manufacturing for Sustainable Environment, Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-9809-8_43, (ISSN:2195-4356) (7th Feb 2021) (Indexed in Scopus) (https://link.springer.com/chapter/10.1007/978-981-15-9809-8_43)
 7. Vijin Prabhu A., Sivaram A.R., Prabhu N., Sundaramahalingam A., "**A Study of Enhancing the Biogas Production in Anaerobic Digestion**", Materials Today: Proceedings, 2021, (ISSN No.: 2214-7853) (13th Feb 2021) (Indexed in: Scopus) (<https://www.sciencedirect.com/science/article/pii/S2214785320407278>)
 8. A.Vijin Prabhu, S.Antony Raja, A.Avinash, Arivalagan Pugazhendhi, "**Parametric Optimization of Biogas Potential in Anaerobic Co-Digestion of Biomass Wastes**", Fuel, 119574, December 2020, (ISSN No.:0016-2361) (Impact Factor: 5.578) (<https://doi.org/10.1016/j.fuel.2020.119574>) (Indexed in: SCI & Scopus) (Q1-Fuel Technology)
 9. Chintada Vinodbabu, G. Thirumala Rao, N. Bakthavatchala Reddy, and Grigory V. Zyryanov, "**A Review on Magnetron Sputter Coatings**", AIP Conference Proceedings, Volume 2280, Issue-1, ISSN: 0094-243X, E-ISSN:1551-7616. (<https://aip.scitation.org/doi/10.1063/5.0018142>) (Indexed in : Scopus)
 10. Baba, M. Sai, and Pankaj Kumar. "**Analysis of Inertance Pulse Tube Refrigerator using CFD**" IOP Conference Series: Materials Science and Engineering, Vol. 954, Issue 1, IOP Publishing, 2020. (ISSN No. 1757-8981), E-ISSN:1757-899X (Impact Factor: 0.6) (<https://iopscience.iop.org/article/10.1088/1757-899X/954/1/012049/meta>) (Indexed in Scopus)
 11. Bade, V.S., P., S.R. and P., G.R. (2020), "**The Effect of Vibratory Conditioning on Tensile Strength and Microstructure of 1018 Mild Steel**", World Journal of Engineering, Vol. 17 No. 6, pp. 837-844, December 2020. (ISSN: 1708-5284) (<https://doi.org/10.1108/WJE-07-2020-0296>) (<https://www.emerald.com/insight/content/doi/10.1108/WJE-07-2020-0296/full/html?skipTracking=true>) (Indexed in: Scopus) (Q3-Mechanica Engineering)
 12. Vinod Babu Chintada, Sudhakar Uppada, Rakesh Chandmal Sharma, "**Properties of the Multi Layer Electroless Ni-P-ZnO/Ni-P-SiC Coatings**", Journal of Critical Reviews, Vol. 7, Issue 19, pp. 268-271, August 2020 (ISSN No. 2394-5125) (<http://jcreview.com/fulltext/197-1600429928.pdf?1605845747>) (Indexed in Scopus)

13. C.L.V.R.S.V. Prasad, G.V.S.S. Sharma, P.N.L. Pavani, “**Capability Resurrection of DC Sputtering Machine: A Case Study**”, International Journal of Surface Engineering and Interdisciplinary Materials Science (IJSEIMS), Vol. No. 9, Issue No. 1, pp. 60-76, November 2020. (ISSN No. 2166-7233) (<https://www.igi-global.com/article/capability-resurrection-ofdc-sputtering-machine/267212>) (Indexed in Scopus)
14. Nazrul Islam Khan, Sudipta Halder, Subhankar Das, Manjeet S. Goyat, “**Graphitic Nanoparticles Functionalized with Epoxy Moiety for Enhancing the Mechanical Performance of Hybrid Carbon Fiber Reinforced Polymer Laminated Composites**”, Polymer Composites, pp 1-15, Accepted for Publication in November 2020 (ISSN No. 1548-0569) (<https://onlinelibrary.wiley.com/doi/abs/10.1002/pc.25857>) (Indexed in: SCI)
15. Chiranjeeva Rao Seela, Avinash Alagumalai, Arivalagan Pugazhendhi, “**Evaluating the Feasibility of Diethyl Ether and Isobutanol added Jatropa Curcas Biodiesel as Environmentally Friendly Fuel Blends**”, Sustainable Chemistry and Pharmacy, Accepted for Publication in November 2020 (ISSN No. 2352-5541) (<https://www.sciencedirect.com/science/article/abs/pii/S2352554120305799>) (Indexed in: SCI)
16. R Satya Santosh Uday, K Simhadri, “**Performance and Emission Characteristics of Four Stroke Diesel Engine Using Sesame Biodiesel Blends with Addition of TiO₂ Nanoparticles**”, Materials Science and Engineering, pp 1-14, Accepted for Publication in November 2020 (ISSN No. 0025-5416) (<https://iopscience.iop.org/article/10.1088/1757-899X/954/1/012032/pdf>) (Indexed in: Scopus)
17. Sudhakar Uppada, Subbarama Kousik Suraparaju, M. V. A. Raju Bahubalendruni and Sendhil Kumar Natarajan, “**Optimization of Process Parameters in Resistance Spot Welding Using Artificial Immune Algorithm**”, pp 477-485, Lecture Notes in Mechanical Engineering, Select Proceedings of ICIPDIMS 2019, pp. 477-485, Accepted for Publication in November 2020 (ISSN 2195-4364) (https://link.springer.com/chapter/10.1007/978-981-15-2696-1_47) (Indexed in Scopus)
18. Vinod Babu Chintada , Ramji Koonan & Thirumala Rao Gurugubelli, “**Investigation on Microhardness and Corrosion Resistance of ZnO Reinforced Ni-P Composite Coatings at Various Annealing Temperatures**”, Advances in Materials and Processing Technologies, pp 1-15, Accepted for Publication in November 2020 (ISSN No. 2374-0698) (<https://www.tandfonline.com/doi/abs/10.1080/2374068X.2020.1835017>) (Indexed in Scopus and ESCI)
19. Nazrul Islam Khan, Sudipta Halder, Nabajyoti Talukdar, Subhankar Das, M.S. Goyat, “**Surface Oxidized/Silanized Graphite Nanoplatelets for Reinforcing an Epoxy Matrix**”, Materials Chemistry and Physics, Vol. 258, 123851, pp. 1-12, January 2021. (<https://www.sciencedirect.com/science/article/abs/pii/S0254058420312104>) (ISSN No. 0254-0584) (Indexed in: SCI)
20. M. Vyunkunta Rao, Srinivasa Rao P., B Surendra Babu, “**Vibratory Weld Conditioning during Gas Tungsten Arc Welding of Al5052 Alloy on the Mechanical And Micro-Structural Behavior**”, World Journal of Engineering, Vol. 17, Issue 6, pp. 831-836 (<https://www.emerald.com/insight/content/doi/10.1108/WJE-06-2020-0211/full/html>) (ISSN No. 1708-5284) (Indexed in: Scopus)
21. U.Sudhakar, J.Srinivas, M V A Raju Bahubalendruni, “**Tensile Behaviour Characterization of AA5251-AA6063 Joint prepared through Friction Stir Welding**

- Process**”, International Journal of Emerging Trends in Engineering Research, Vol. 8, Issue 9, pp. 5624-5629, October 2020. (ISSN No. 2347-3983) (<http://www.warse.org/IJETER/static/pdf/file/ijeter116892020.pdf>) (Indexed in: Scopus)
22. A. Vijin Prabhu, A. Avinash, Kathirvel Brindhadevi, Arivalagan Pugazhendhi, “**Performance and Emission Evaluation of Dual Fuel CI Engine using Preheated Biogas-Air Mixture**”, Science of the Total Environment, Vol. 754, 142389, pp 1-9, To be published in February 2021 (ISSN No. 0048-9697) (<https://www.sciencedirect.com/science/article/abs/pii/S0048969720359180>) (Indexed in SCI)
 23. A. Avinash, P. Sasi Kumar, Arivalagan Pugazhendhi, “**Analysis of the Limiting Factors for Large Scale Microalgal Cultivation: A Promising Future for Renewable and Sustainable Biofuel Industry**”, Renewable and Sustainable Energy Reviews, Vol. 134, pp. 1-9, (ISSN No. 1364 0321) (Indexed in : SCI) (<https://www.sciencedirect.com/science/article/abs/pii/S1364032120305396>)
 24. D. Srinivasa Rao, Ch. Rajasekhar, K. Santa Rao, “**A Study on Covid-19 Situation in Andhra Pradesh: Current Scenario and Projections**”, International Journal of Current Research and Review, Vol. 12, Issue 17, pp. 45–50, (ISSN No. 0975-5241) (Indexed in: Scopus) (http://ijcrr.com/uploads/2852_pdf.pdf)
 25. Behara santosh sagar, “**A Review on Vibration Analysis of Rotor Shaft System by Various Fault Diagnosis Techniques**”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 10, Issue 3, pp. 13441–13449, (ISSN No. 2249-8001) (<http://www.tjprc.org/publishpapers/2-67-1600241671-1281IJMPERDJUN20201281.pdf>) (Indexed in: Scopus)
 26. GVSS Sharma , J. Raja Murugadoss, V. Rambabu, “**Fostering Higher Order Thinking Skills in Engineering Drawing**”, Journal of Engineering Education Transformations, Vol. No. 34, Issue No. 1, pp 28-40. (ISSN No. 2394-1707) (Indexed in: Scopus) (<http://journaleet.org/index.php/jeet/article/view/148359>)
 27. Y. Shireesha, Govind Nandipati, K. Ravindra, Shiva Shankar Paka, “**Experimental Study on Mechanical Properties of Eco-Friendly Hybrid Composite**”, Journal of Green Engineering, Vol. 10, Issue 6, pp. 3264-3276. (ISSN No. 2245-4586) (Indexed in: Scopus) (<http://www.jgenng.com/volume10-issue6.php>)
 28. Chiranjeeva Rao Seela, Ravi Sankar B., “**Emulsified Nano Al₂O₃ – Jatropa Methyl Ester Blends: Application in Variable Compression Ratio Engine**”, World Journal of Engineering, In Press, July 2020, (ISSN No. 1708-5284) (<https://www.emerald.com/insight/content/doi/10.1108/WJE-04-2020-0135/full/html>) (Indexd in : Scopus) (ESCI)
 29. Pankaj Kumar, Ajay Kumar Gupta, “**Hydroelectric Energy using Prediction Technique of Flood in River based on Fuzzy Rule Scheme**”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 10, Issue 3, pp. 4647–4654, August 2020 (ISSN No. 2249–8001) (<http://www.tjprc.org/publishpapers/2-67-1595573078-439IJMPERDJUN2020439.pdf>) (Indexd in : Scopus)
 30. Jagadeesh Varanasi, Dr. K. Venkata Subbaiah, K. Karthik, “**Wind Energy Forecasting Accuracy of Wind Power Plant by using Time Series Analysis based on Fuzzy Rule Scheme**”, Journal of Critical Reviews, Vol. 07, Issue 14, pp. 793–801, August 2020 (ISSN No. 2394-5125) (<http://www.jcreview.com/fulltext/197-1594885824.pdf?1597761069>) (Indexd in : Scopus)

31. G. Dinesh Reddy, L.V.S. Prasad and P.K. Sarma, "**A Review of Computational Fluid Dynamics Approach for Analysis on Journal Bearing**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume No. 10, Issue 3, pp. 3755-3760, June 2020, (ISSN No. :2249-8001) (Scopus)
32. M. Vykunta Rao, P. Srinivasa Rao and Potnuru Govinda Rao, "**Influence of Transverse Vibrations on the Fatigue Life of Aluminum Alloy Weld Connections**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume No. 10, Issue 3, pp. 1353-1358, June 2020, (ISSN No. :2249-8001) (Scopus)
33. Naga Lakshmi Pavani Puvvada and Polarao Ronanki, "**Experimental Study on Mechanical and Tribological Properties of Biodegradable Natural Fiber Composites**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume No. 10, Issue 3, pp. 3595-3606, June 2020, (ISSN No. :2249-8001) (Scopus)
34. P. Srinivasa Rao, G.V.S.S. Sharma and B. Surendra Babu, "**Reflection on Spatial Visualization for Enhanced Learning – A Comprehensive Review**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume No. 10, Issue 3, pp. 1359-1370, June 2020, (ISSN No. :2249-8001) (Scopus)
35. Bade Venkata Suresh, P. Srinivasa Rao and Potnuru Govinda Rao, "**Influence of Flexural Strength on Welded Joints under the Effect of Electrode Vibratory Welding Process**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume No. 10, Issue 3, pp. 1345-1352, June 2020, (ISSN No. :2249-8001) (Scopus)
36. Sasidhar Gurugubelli, K. Santa Rao and Rajiv Aditya Jayanthi, "**Design And Fabrication of Economic Electric Bike with Fibre Reinforced Polymer Composite**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume No. 10, Issue 3, pp. 4081-4090, June 2020, (ISSN No. :2249-8001) (Scopus)
37. K. Simhadri, P. Srinivasa Rao and M.K. Paswan, "**An Experimental Investigation of R12 and R134A Refrigerants in a Two - Phase Ejector Expansion Refrigeration**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume No. 10, Issue 3, pp. 1371-1378, June 2020, (ISSN No. :2249-8001) (Scopus)
38. D. Srinivasa Kumar, "**A Cluster Investigation To Quantify The Financial Performance Of Selected Housing Finance Companies In India**", International journal of scientific & technology research, Volume No. 9, Issue 6, pp. 594-601, June 2020, (ISSN No. :2277-8616) (Scopus)
39. A Lakshumu Naidu, Rambabu, "**Microstructure Analysis and Mechanical Behavior of Semi Solid Aluminium 7075 Alloy Base Composite with Graphite Addition**", International Journal of Psychosocial Rehabilitation, Vol. 2, Issue 7, pp. 38, May 2020. (Scopus Indexed)
40. Bade, V.S., Srinivasa Rao, P., Govinda Rao, P., "**Experimental Investigation on Influence of Electrode Vibrations on Hardness and Microstructure of 1018 Mild Steel Weldments**", World Journal of Engineering, Vol. 17, Issue 4, pp. 509-517, May 2020 (ISSN: 1708-5284) (Indexed in Scopus)
41. Alrobaian A., Rajasekar V., Alagumalai A., "**Critical insight into Biowaste-Derived Biocatalyst for Biodiesel Production**", Environmental Progress and Sustainable Energy, In Press, 2020. (ISSN: 1944-7450) (SCIE Indexed)

42. Rao K.P., Reddi V., “**Parametric Optimization for Performance and Emissions of DI Diesel Engine with Mahua Biodiesel along with Diethyl Ether as an Additive**”, Biofuels, Vol. 11, Issue 2, pp. 37-47, 2020. (ISSN: 1759-7277) (Scopus Indexed)
43. Seela C.R., Ravi Sankar B., “**Investigations on Ci Engine with Nano-Sized Zinc Oxide added Mahua Methyl Ester Blends**”, International Journal of Ambient Energy, Vol. 41, Issue 2, pp. 146-151, January 2020. (ISSN: 0143-0750) (Scopus Indexed)
44. Jagadeesh V., Venkata Subbaiah K., “**Solar Forecasting Performance using Artificial Intelligence Algorithms**”, Test Engineering and Management, Vol. 83, pp. 132-139, March 2020. (ISSN: 1610-3653) (Scopus Indexed)
45. Alagumalai, Avinash, Thangavel Mathimani, Arivalagan Pugazhendhi, A. E. Atabani, Kathirvel Brindhadevi, and Nguyen Duc Canh, “**Experimental Insight into Co-Combustion Characteristics of Oxygenated Biofuels in Modified DICI Engine**” Fuel, Vol. No. 278, Issue No. X, pp 118303 June 2020. (ISSN No.:0016-2361) (Indexed in: SCI) (Impact Factor:5.128)
46. K. Simhadri, P. Srinivasa Rao, M.K. Paswan, “**Experimental Investigation on Vapour Compression Refrigeration System Employing R290/R600a (50/50) and TiO₂nano-Lubricant**”, Test Engineering and Management, Volume No. 83, Issue May- June 2020, pp. 14159-14166, June 2020 (ISSN No. : 0193-4120) (Indexed in Scopus)
47. Bade Venkata Suresh, P Srinivasa Rao, P Govinda Rao, ‘**Influence of Electrode Vibration on Impact Strength of 1018 Mild Steel Weldments**’, Test Engineering and Management, Vol. 83, Issue May- June 2020, pp. 14152-14158, June 2020 (ISSN No. : 0193-4120) (Indexed in Scopus)
48. G.V.S.S.Sharma, C.L.V.R.S.V. Prasad, M. Srinivasa Rao, “**Industrial Engineering into Healthcare – A Comprehensive Review**”, International Journal of Healthcare Management, pp. 1-15, April 2020. (ISSN No. : 2047-9719) (Indexed in Scopus)
49. A Murugesan, A Avinash, E James Gunasekaran, A Murugaganesan, “**Multivariate Analysis of Nano Additives on Biodiesel Fuelled Engine Characteristics**”, Fuel, Vol. No.275, Issue No.x, pp. 117922, April 2020. (ISSN No.:0016-2361) (Indexed in: SCI) (Impact Factor:5.128)
50. Gupta, S.K., Misra, R.D, “**Development of Micro/Nanostructured-Cu-TiO₂-Nanocomposite Surfaces to Improve Pool Boiling Heat Transfer Performance**”, Heat and Mass Transfer, pp. 1-16, April 2020. (ISSN No. : 1432-1181) (Indexed in SCI) (Impact Factor : 1.551)
51. Bade Venkata Suresh, P. Srinivasa Rao and Potnuru Govinda Rao. “**Vibratory Assisted Joining Processes for Quality Joints**”, Journal of Xi’an University of Architecture & Technology, Vol.12, Issue 4, pp.1553-1560, April 2020. (ISSN : 1006-7930 (Scopus Indexed).
52. Alagumalai, A. , “**Reduced Smoke and Nitrogen Oxide Emissions during Low-Temperature Combustion of Ethanol and Waste Cooking Oil**”, Environmental Chemistry Letters, Vol. 18, Issue 2, pp. 511-516, April 2020.(doi:10.1007/s10311-019-00954-1.) (IF 4.6) (ISSN : 1610-3653) (Indexed in Scopus and SCIE)
53. Pugazhendhi A, Alagumalai A, Mathimani T, Atabani AE, “**Optimization, Kinetic and Thermodynamic Studies on Sustainable Biodiesel Production from Waste Cooking Oil: An Indian Perspective**”, Fuel, Vol. 273, Issue 117725, April 2020. (doi:10.1016/J.FUEL.2020.117725.(SCI). IF 5.12 ISSN: 0016-2361) (Indexed in SCIE and Scopus)

54. D.Srinivasa Kumar, “**Attributes Influencing Home Loan Borrowers in Selecting Housing Finance Companies in India**”, International Journal of Scientific & Technology Research, Vol. 9, Issue 03, pp. 4059-4063, March 2020. (ISSN No. 2277-8616) (Indexed in Scopus)
55. Das, S., Halder, S., Khan, N.I., Paul, B. and Goyat, M.S, “**Assessing Damage Mitigation by Silanized Milled Graphite Nanoparticles in Hybrid GFRP Laminated Composites**”, Composites Part A: Applied Science and Manufacturing, Vol 132, Issue 105784, pp. 1-10, April 2020. (ISSN No. 1359-835X) (Indexed in SCI and Scopus)

Book Chapters

1. Pankaj Kumar, Ajay Kumar Gupta, Sanjay Kumar Gupta, R.K. Sahoo, “**Effect of Porosity on the Performance of a GM-Type DIPTR Using CFD**”, In: Palanisamy M., Ramalingam V., Sivalingam M. (eds) Theoretical, Computational, and Experimental Solutions to Thermo-Fluid Systems, Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-33-4165-4_23, March 2021. (Print ISBN 978-981-33-4164-7, Online ISBN 978-981-33-4165-4) (<https://www.springerprofessional.de/en/effect-of-porosity-on-the-performance-of-an-gm-type-diptr-using-/18945404>)
2. Gupta A.K., Kumar P., Sahoo R.K., “**Numerical Analysis of Pulse Tube Cryocooler and Optimization Using Taguchi Method**”, In: Palanisamy M., Ramalingam V., Sivalingam M. (eds) Theoretical, Computational, and Experimental Solutions to Thermo-Fluid Systems. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-33-4165-4_24, March 2021. (Print ISBN 978-981-33-4164-7, Online ISBN 978-981-33-4165-4) (<https://www.springerprofessional.de/en/numerical-analysis-of-pulse-tubecryocooler-and-optimization-usi/18945406>)
3. Nazrul Islam Khan, Sudipta Halder, “**Self-Healing Fibre-Reinforced Polymer Composites for their Potential Structural Applications**”, Self-Healing Polymer-Based Systems, Elsevier, Chapter 15, DOI:<https://doi.org/10.1016/B978-0-12-818450-9-00015-5>, pp. 455-472, Elsevier Publications, (Indexed in Scopus) (https://www.researchgate.net/profile/Nazrul-Khan/publication/343028952_Self-healing_fiberreinforced_polymer_composites_for_their_potential_structural_applications/links/5fc712bc45851568d1323c06/Self-healing-fiber-reinforced-polymer-composites-for-their-potentialstructural-applications.pdf)
4. T. S. A. Surya Kumari and S. Ranganathan, “**Investigation of Process Parameters on Sliding Wear Behaviour of Aluminium 7075 Hybrid Nanocomposite Analyzed Using Response Surface Methodology-Part I**”, Advances in Materials and Manufacturing Engineering, Springer Proceedings in Materials book series (SPM, volume 7), pp 461-468, (ISBN No: 978-981-15-6267-9) (https://link.springer.com/chapter/10.1007/978-981-15-6267-9_53)
5. T. S. A. Surya Kumari and S. Ranganathan, “**Optimization of Process Parameters on Sliding Wear Behavior of Aluminum 7075 Hybrid Nanocomposite Analyzed Using Desirability Approach-Part II**”, Advances in Materials and Manufacturing Engineering, Springer Proceedings in Materials book series (SPM, volume 7), pp 453-459, (ISBN No: 978-981-15-6267-9) (https://link.springer.com/chapter/10.1007/978-981-15-6267-9_52)

6. T. S. A. Suryakumari, S. Ranganathan, B. Mahendra Reddy, G. Nethaji, and Challam Naveen Kumar, “**Tribological Behaviour of Al 7075 Alloy Reinforced with Nano-Alumina and Silicon Carbide Particulates**”, Advances in Materials and Manufacturing Engineering, Springer Proceedings in Materials book series (SPM, volume 7), pp 445-451, (ISBN No: 978-981-15-6267-9) (https://link.springer.com/chapter/10.1007/978-981-15-6267-9_51)
 7. Alagumalai, Avinash. "**Biodiesel Production: Processes and Technologies." Recent Technologies for Enhancing Performance and Reducing Emissions in Diesel Engines**", IGI Global, 2020. 1-25. Web. doi:10.4018/978-1-7998-2539-5.ch001
-

2019-20 :

2019-20 :

National Conferences:

1. M. Vijay Sekhar Babu, Ankur Jaiswal and Piyush Tiwari, “**Finite Element Formulation and Analysis of Single-Walled Carbon Nanotubes (SWCNTs)**” National Conference on “Challenges and Opportunities in Indian Industries” 12 -13 April, Department of Metallurgical Engineering, National Institute of Technology (NIT), Raipur, 2019

2019-20 :

National Journals:

-----NIL-----

2019-20 :

International Conference:

1. Khan NI, Halder S, Gunjan SB. “**Bismaleimide Functionalization of GNP for Diels-Alder based Self-Healing of Epoxy Nanocomposites**”, 2nd International Conference on Processing and Characterization of Materials (ICPCM-2019), NIT Rourkela, Odisha, India, 12th -14th December, 2019.
2. K. Simhadri, P.S.Rao, M.K. Paswan. “**Experimental Investigation on Vapour Compression Refrigeration System by Employing R290/R600a (50/50) and TiO₂ Nano-Lubricant**”, 4th International Conference on Materials Science and Engineering Application, ICMSEA, at Centurion University, Parlakhemidi, Odisha 19th – 21st December 2019.
3. Seela C.R., Gade N., Srinivasa Rao M., “**Analysis on CI Engine with Thermal Barrier Coating and Biodiesel Blends**”,. In: Pujari S., Srikiran S., Subramonian S. (eds) Recent Advances in Material Sciences. Lecture Notes on Multidisciplinary Industrial Engineering. Springer, Singapore, DOI: https://doi.org/10.1007/978-981-13-7643-6_58, Print ISBN 978-981-13-7642-9, Online ISBN 978-981-13-7643-6, First Online 07 August 2019 (non-scopus conference proceedings). International Conference on Latest Innovations in Materials Engineering and Technology ,Departments of Mechanical Engineering, Lendi Institute of Engineering and Technology, 15th and 16th June, 2018.
4. Sudhakar U, M V A Raju Bahubalendru, Subbarama Kousik Suraparaju, Sendhil Kumar Natarajan, “**Optimization of Process Parameters in Resistance Spot Welding Using Artificial Immune Algorithm**” 1st International Conference on Innovative Product Design and Intelligent Manufacturing Systems (ICIPDIMS'19) 17 -18 May, jointly organized by

Department of Industrial Design and Department of Mechanical Engineering, National Institute of Technology (NIT), Rourkela, 2019.

5. Anil Kumar Gulivindala, Vykunta Rao Matta, M V A Raju Bahubalendrun, “**Disassembly Sequence Planning Methodology for EOL Products Through a Computational Approach**” 1st International Conference on Innovative Product Design and Intelligent Manufacturing Systems (ICIPDIMS’19) 17 -18 May, jointly organized by Department of Industrial Design and Department of Mechanical Engineering, National Institute of Technology (NIT), Rourkela, 2019.

2019-20 :

International Journals:

1. Santarao, Korada, C. L. V. R. S. V. Prasad, and Gurugubelli Swaminaidu, "**Influence of Dominant Variables and their Optimization for Nano Powder Blended EDM Process**," Indian Journal of Engineering & Materials Sciences, Vol. 26, pp. 356-362, October-December 2019, (ISSN : 0975-1017(Scopus)).
2. Sasidhar Gurugubelli, Fathimunnisa Begum, LSV Prasad, “**Experimental Tensile Strength Characterization of Metal Matrix Composite Aluminum-6069 Percentage variation Reinforced with Molybdenum and Coconut Shell Ash**”, International journal of scientific and technology research, Vol.9, No.2, pp. 803-808, February 2020 (ISSN 2277-8616) (Scopus).
3. Jaya Prakash Killi, V.Rambabu, Sanjay Kumar Gupta, “**Effect of Newly Designed Coil Arrangements Slinky, Spiral, and U-Type on the Horizontal Ground Heat Exchanger Performance**”, International Journal of Scientific and Technology research, Vol. 8, No. 12, pp. 363-369, December 2019. (ISSN 2277-8616) (Scopus)
4. Jagadeesh, V., K. Venkata Subbaiah, and Jyothi Varanasi, "**Forecasting the Probability of Solar Power Output using Logistic Regression Algorithm**", Journal of Statistics and Management Systems, Vol. 23, No. 1, pp. 1-16, 2020.
5. I. Manivannan, S. Ranganathan, S. Gopalakannan, S. Suresh and D. Candane, “**Mechanical and Wear Surface Characterisation of Aluminium Hybrid Nanocomposite**”, Int. J. Computational Materials Science and Surface Engineering, Vol. 8, Nos. 3/4, pp 195-210, 2019 (ISSN : 1753-3473) (Scopus)
6. Santarao Korada, Lakshmi Venkata Ranga Sobhanachala Vara Prasad Chilamkurti and Swaminaidu Gurugubelli, “**Employing SiC Nano-Powder Dielectric to Enhance Machinability of AISI D3 Steel in Electrical Spark Machining**”, International Journal of Modern Manufacturing Technologies, Vol. 11, Issue 3, pp. 89-93, Nov 2019 (ISSN : 2067-3604) (scopus)
7. I.Manivannan, S. Ranganathan, S. Gopalakannan “**Application of Desirability-Based Multiobjective Optimization Techniques to Study the Wear of Al Self-Lubricating Hybrid Nanocomposites**”, Transactions of the Indian Institute of Metals, pp. 1-15, Nov 2019 (ISSN : 0972-2815) (SCI) published online : 23 November 2019
8. Manivannan, I., S. Ranganathan, and S. Gopalakannan, "**Dry Sliding Wear Behaviour of Hybrid Aluminum based Nanocomposites.**" Materials Research Express Vol. 6, No. 12, Nov 2019 (ISSN : 2053-1591) (SCI) published online : 15 November 2019
9. Manivannan, I., S. Ranganathan, S. Suresh, and P. Philomen-D-Anand Raj, "**Failure Analysis using Online Acoustic Emission and Tribological Behavior of Al6061-Al 2 O 3 Nano Composite.**" Materials Research Express Nov 2019 (ISSN : 2053-1591) (SCI) published online : 28 November 2019

10. M.Vyunkunta Rao, P Devi Prasad, Bade Venkata Suresh, “**Influence of Mode of Power Source on the Mechanical Properties of Vibratory Weld Joints**”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.11, No. 2, pp. 2919-2922, Dec. 2019 (ISSN : 2278-3075) (scopus)
11. Uppuganti Sai Akhil, Avinash Alagumalai “A Short Review on Valorization of Slaughterhouse Wastes for Biodiesel Production”, Chemistryselect, Vol. 4, Dec 2019 (ISSN: 2365-6549) (SCIE).
12. D. Srinivasa Kumar, “**Demographic Characteristics as Cognitive Elements to Measure the Service Quality of Housing Finance Companies in India**”, International Journal of Scientific & Technology Research, Vol. 8, Issue 10, October 2019 (Indexed in Scopus).
13. Bade Venkatasuresh, Y. Shireesha and P. Srinivasa Rao, “**Emission and Performance Analysis of an Internal Combustion Engine with Turbocharger using Alternate Fuel**”, JP Journal of Heat and Mass Transfer, Vol. 17, No. 2, pp 539-551, Sep 2019 (ISSN : 0973-5763) (scopus)
14. Srinivasa Rao Meesala, Naikan V.N.A., “**A Novel Framework for Time Dependent Availability Analysis of Degraded Systems**”, International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, No. 3, Sep 2019 (ISSN: 2277-3878) (Scopus).
15. Murugesan Arthanarisamy, Avinash Alagumalai, Kumaravel Arumugam, "An Experimental Insight into Optimized Biodiesel Production and External Re-Breathing of Burned Gases On Biodiesel Combustion", Journal of Thermal Analysis and Calorimetry, DOI 10.1007/s10973-019-08620-y, August 2019 (ISSN 1388-6150) (SCI)
16. R. Gokulana, A. Avinash. A, Ganesh Prabhu. G, Jegan. J, "Remediation of Remazol Dyes by Biochar derived from Caulerpa Scalpelliformis—An Eco-friendly Approach", Journal of Environmental Chemical Engineering, Vol. 7, No.5, pp. 103 - 297, August 2019. (ISSN: 2213-3437) (Scopus)
17. Yegireddi Shireesha, Govind Nandipati, KiranKumar Chandaka, “**Properties of Hybrid Composites and its Applications: A Brief Review**”, International Journal of Scientific & Technology Research, Vol. 8, Issue No. 8, pp. 335-341, August 2019. (scopus, yet to be indexed in scopus author preview)
18. B Sowgandhi, P N L Pavani, “**Recent Studies in the Application of Internal Cooling System in Conventional Machining Process**”, International Journal of Scientific & Technology Research, Vol. 8, Issue 8, pp. 441-444, August 2019. (scopus, yet to be indexed in scopus author preview)
19. Hemant P. Jawale, Ankur Jaiswal, Kapil N. Bhasme, “**Design and Analysis of Three-Axis Cantilever type Force Sensor**”, World Journal of Engineering, June 2019, ISSN:1708-5284, (Indexed in free scopus)
20. Bade Venkata Suresh, P Srinivasa Rao, P Govinda Rao, “**Improvement of Tensile Strength of 1018 Mild Steel Welded Joints Produced Under the Influence of Electrode Vibration**”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) , Vol. 8, Issue 8, 2019, pp 1219-1222, ISSN: 2278-3075 (Indexed in paid scopus)
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)

22. Sasidhar.G, Leela Prasad.G, Mahesh Kumar.G, Chaitanya Vardhan.B, Prudhvi Kumar.G “**Design, Fabrication and Analysis of Varying Loads on Speed Hump**”, International Journal of Research in Advent Technology, Vol.7, No.4, pp472-477, April 2019. (E-ISSN: 2321-9637) (non-scopus)

Book Chapters

1. Vamsi A.S., Seela C.R., Naveen A, “**Design and Fabrication of Four-Way Multi-hacksaw Cutting Machine**”, In: Reddy A., Marla D., Simic M., Favorskaya M., Satapathy S. (eds) Intelligent Manufacturing and Energy Sustainability. , Vol 169, pp. 67-76, DOI: https://doi.org/10.1007/978-981-15-1616-0_7, Print ISBN 978-981-15-1615-3, Online ISBN978-981-15-1616-0, Smart Innovation, Systems, and Technologies. Springer, Singapore (Scopus)
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).

2018-19 :

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.
4. N. Venkatesh, Dr. M. Srinivasa Rao, A. Lakshumu Naidu, “**A Review on Emission Characteristics of Diesel engines with Biodiesel blends from Different oils**”, A two day National Conference on GREEN and SUSTAINABLE ENERGY-Indian Perspective in Global Environment. Sponsored by SERB,DST, held at AITAM Tekkali on 14-07-2017 to 15-07-2017

2018-19 :

National Journal:

-----NIL-----

2018-19 :

International Conference:

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
2. D.Srinivasa Kumar, K.V.S.Prasad and A. Vinod Kumar(BARC Scientist H), “**Influence of Education Levels on Women’s Fertility: A Study in Kovvada Region, Srikakulam District, Andhra Pradesh**”, Conference Proceedings of 16th Annual Conference, Indian Association for Social Sciences and Health (IASSH), pp. 62, held at Jawaharlal Nehru University, Delhi, Dec 10-12, 2018
3. V. Rambabu, A. Lakshumu Naidu, Srinivas Kona, “**Analysis of Mechanical and Thermal Behavior of Sisal Fiber Composites: Review**”, International Mechanical Engineering Congress and Exposition, International Conference on Latest Innovations in Materials Engineering and Technology, Organized by Lendi Institute of Engineering and Technology, Vizianagaram, .held on 15-06-2018 to 16-06-2018

2018-19 :

International Journal:

1. M.VykuntaRao, P. Srinivasa Rao and B. Surendra Babu, “**Effect of Transverse Vibrations on the Hardness of Aluminum 5052 H32 Alloy Weldments**”, International Journal of Mechanical Engineering and Technology, Vol. 10, Issue 1, pp. 327–333, 2019, (ISSN Print: 0976-6340, ISSN Online: 0976-6359) (Scopus Indexed).
2. M. VykuntaRao and K. Simhadri, “**Experimental Investigation on Performance Characteristics of Four Stroke Single Cylinder Petrol Engine using a Pre-Heating Set-Up for Methanol Blends**”, International Journal of Mechanical Engineering and Technology, Vol. 10, Issue 2, pp. 351-360, 2019, (ISSN Print: 0976-6340, ISSN Online: 0976-6359) (Scopus Indexed).
3. Vinod Babu Chintada , Ramji Koon, “**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)
4. Bade Venkata Suresh, P Srinivasa Rao, P Govinda Rao, "Influence of Vibrations in Welding Process to Enhance Mechanical Properties: A Review " International Journal of Scientific Research and Review, Vol. No. 8, Issue No. 02, pp. 576-585, February 2019. (ISSN No: 2279-543X)
5. U.Sudhakar, B.V.Suresh, M.V.A.Raju Bahubalendruni, “**A review on physical and chemical properties of natural fiber reinforced composite materials**”, International Journal of Scientific Development and Research (IJS DR), Vol . No. 3, Issue No.12, pp 160-172, Dec 2018. (ISSN:2455-2631) (Not indexed in scopus/SCI)
6. D. Venkata Rao, A. Lakshmu Naidu, M.V.A.Raju Bahubalendruni, “**A Review on Mechanical Behaviour of Polymers/ Sisal Fiber Reinforced Composites Material**”, International Journal of Scientific Development and Research (IJS DR), Vol . No. 3, Issue No.12, pp 190-199, Dec 2018. (ISSN:2455-2631) (Not indexed in scopus/SCI)
7. D.Srinivasa Kumar, K.V.S.Prasad, A.Vinod Kumar, “**A few Demographic Factors affecting the Decline of Total Fertility Rate: An Empirical Evidence**”, International Journal of Mechanical Engineering and Technology, Vol. 10, Issue 1, pp. 1762-1771, January 2019. (ISSN No.: Online - 0976-6359, Print - 0976-6340)(Indexed in: Scopus)

8. Naga Lakshmi Pavani Puvvada, Pola Rao Ronanki, L.V.R.S.V. Prasad Chilamkurti, "**Experimental Investigation to Assess the Performance and Optimization of Process Parameters of Esm Ing Process**", Journal of Modern Machining Processes, Vol. 10, Issue 2, pp. 58-66, December 2018. (ISSN: 2067–3604) (Scopus indexed)
9. Isai Dharma Rao, C.L.V.R.S.V.Prasad and K.Santarao, "**Experimental Investigation to Enhance the Performance of High Speed Reduction Gearbox using Nano Blended Lubricants**", Journal of Surface Science and Technology, Vol. 34, Issue 3-4, pp. 87-97, December 2018. (ISSN.:0970-1893)
10. V. Rambabu, Srinivas Kona, A.Lakshmu Naidu, P.S.V. Ramana Rao "**Mechanical Properties of Okra and Jute Fibers Filled with Groundnut Shell Ash Reinforced Composites with Epoxy (LY556) and Epoxy (XIN 100 IN) Resin Matrices**", Journal of Materials and Environmental Sciences, Vol. No.9, Issue No.7, pp 2169-2173, Dec 2018. (ISSN: 2028-2508) (Indexed in: Scopus)
11. D.Srinivasa Kumar and A. Lakshumu Naidu, "**The Business Philosophies for Extended Enterprise in Manufacturing Automobile Sectors**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD). Vol.No.8, Issue No. 2, pp, 715-730, Apr 2018. (ISSN (P): 2249-6890; ISSN (E): 2249-8001) (Indexed in: Scopus) (Impact Factor(JCC) : 7.6197)
12. K.Santarao, C.L.V.R.S.V. Prasad, and G. Swaminaidu. "**Parametric Optimization of Nano Powder Blended Electrical Spark Machining Process on AISI D3 DIE Steel Employing Grey Relational Analysis.**" Journal of Materials and Environmental Sciences, Vol. 9, Issue 10, pp. 2854-2862, December 2018. (ISSN.:2028-2508)
13. Ch. Vinod Babu and Ramji Koona "**Influence of surfactant on the properties of Ni-P-ZnO composite coating.**" Materials Research Express, Vol. No.6, Issue No. 3,025030 (ISSN:2053-1591) (SCIE Indexed)
14. Ch.Suresh, C.L.V.R.S.V.Prasad & K.Santa Rao, "**Performance Assessment of an Automobile Radiator using Al₂O₃/Water+EG based Nanocoolant**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 8, Issue 4, pp. 715-725, August 2018. (ISSN.:2249-6890) (Indexed in Scopus)
15. D. Ajay Kumar, A. Lakshmu Naidu, "**A Study on different chemical treatments for natural fiber reinforced composites**", International Journal of Mechanical and Production Engineering Research and Development, Vol..8, Issue 5, pp. 143-152, October 2018. (Indexed in: Scopus)
16. Vinodbabu Chintada, Ramji Koona, "**Influence of SiC Nano Particles on Microhardness and Corrosion Resistance of Electroless Ni–P Coatings**", Journal of Bio- and Tribo-Corrosion, Vol. 4, Issue 4, December 2018. (Scopus Indexed)
17. S. Chiranjeeva Rao, B. Rabi Sankar, "**Stability Analysis and Characterization of the Nano Emulsified Jatropha-Curcas-based Bio-fuel**", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Published online first on 31st July 2018. (Indexed in SCI (Impact factor- 0.555) and Scopus (free))
18. Ch.Vinod Babu, Y.Meghana, T.Dharama Teja, "**A Review on Recent Trends in Surface Coatings**", IOP Conference Series: Material Science and Engineering, Vol. 390, Issue 012079, pp. 1-6, July 2018. (Indexed in Scopus)
19. B.Venkata Suresh, Y.Shireesha, P.Govinda Rao, "**Effect of Rear Axle Ratio on Vehicle Performance**", Journal of Mechanical Engineering Research and Developments, Vol. 40, Issue 3, pp-515-525, 2017. (Indexed in Scopus (free))
20. S.Chiranjeeva Rao, B.Rabi Sankar, "**Investigation on CI Engine with Nano Sized Zinc Oxide added Mahua Methyl Ester Blends**", International Journal of Ambient Energy,

(<https://doi.org/10.1080/01430750.2018.1451377>), Published online first on March 2018. (Indexed in ESCI, scopus (free))

21. B. Venkata Suresh, Y. Shireesha and B. Sateesh, “**Vibration Analysis and Control of Locomotive System**”, Mechanics and Mechanical Engineering, Volume-22, Issue no.1, 2018, pp-195-205. ISSN: 2354-0192, Indexed in Scopus
 22. K. Santa Rao, C.L.V.R.S.V. Prasad, G. Swami Naidu, “**Experimental Investigation on Influence of SiC and Nanopowder blended Dielectric in Electric Spark Machining**”, International Journal of Modern Manufacturing Technologies, Vol. X, No 1, pp- 84- 91, 2018. (Indexed in Scopus)
 23. M. Akhilesh, K. Santa Rao, M.V.S. Babu, “**Thermal Conductivity of CNT- Water Nanofluids: A Review**”, Mechanics and Mechanical Engineering, Vol. 22, Issue 1, pp. 207-220, 2018 (Indexed in Scopus)
 24. V. Chitti Babu, P. Govinda Rao, K. Santa Rao and K. Murali Krishna, “**Design of Accurate Steering Gear Mechanism**”, Mechanics and Mechanical Engineering, Vol. 22, Issue no.1, pp-91-103, 2018. (Indexed in Scopus)
 25. M.V.S. Babu, K.N.S. Suman, P. Srinivasa Rao, “**Drafting Software as a Practicing Tool for Engineering Drawing-based Courses: Content Planning to its Evaluation in Client–Server Environment**”, International Journal of Mechanical Engineering education, Published online first on 01-01-2018. ISSN: 2050-4586, Indexed in Scopus.
 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.
 27. B.M.V.A. Raju, Hruday.K, Rahul.B, “**Robots in Medicine: Past, Present and Future**”, International Journal of Manufacturing, Materials and mechanical Engineering, Volume-7, Issue-4, pp; 44-64, 2017. ISSN: 2156-1672, Indexed in ESCI, Scopus.
 28. A. Shobha Rani, D. Ajaad, P. Karteek, A. Lakshumu Naidu, “**Experimental Investigation on the Performance and Emission Characteristics of DI-Diesel Engine using Diesel - Ethanol blends and Aluminium Oxide Nano Particles**”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume-8, Issue-01, pp-521-530, 2018. ISSN: 2249-8001, Indexed in Scopus.
 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.
 30. J. Kalpana, P. Srinivasa Rao, P. Govinda Rao, “**Investigation of Acceleration Effect on the Flexural Strength of Vibratory Dissimilar Welded Joints**”, Materials Focus Journal, Volume-6, Issue-2, pp- 107-113, April 2018. ISSN: 2169-4303, Indexed in ESCI, Scopus.
 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)
-

2017-18 :

2017-18 :

National Conference:

-----NIL-----

2017-18 :

National Journal:

-----NIL-----

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.
4. I. Kantharaj, M.Sekar, X.Vasanth and A. Mohansundaram, "**Comparative Study of Cutting Fluid Application Methods to Improve Machine Conditions in Surface Grinding on AISI 1040 Steel**", International Conference on Engineering Materials, Metallurgy and Manufacturing (ICEMMM 2018), held at SSN College of Engineering, Chennai during 15th and 16th February, 2018.
5. M. Sekar A. Koilraj and B. Suresha, "**Machining Investigations of a Free Form Curve**", International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering systems, held at NIT- Trichy. Tamilnadu, 18th Jan 2018. (Won best paper award).
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)
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)
3. D. Srinivasa Kumar and A. Lakshumu Naidu, “**The Business Philosophies for Extended Enterprise in Manufacturing Automobile Sectors**”, International Journal of

- Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 8, Issue 2, pp. 715-730, Accepted for publication April 2018 issue. (ISSN: 0976-6359, Indexed in Scopus)
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)
 6. J. Kalpana, P. Srinivasa Rao, P. Govinda Rao, "**A review on techniques for improving the mechanical properties of fusion welded joints**", Engineering Solid Mechanics, Volume-5, Issue-4, pp- 213-224, Aughust-2017. ISSN: 2291-8744, Indexed in Scopus.
 7. J. Kalpana, P. Srinivasa Rao, P. Govinda Rao, "**Effect of Vibratory welding process on hardness of dissimilar welded joints**", Engineering Solid Mechanics, Volume-5, Issue-2, pp- 213-224, July-2017. ISSN: 2291-8744, Indexed in Scopus.
 8. J. Kalpana, P. Srinivasa Rao, P. Govinda Rao, "**Influence of Amplitude on the tensile Strength of Welded Joints fabricated under Vibratory weld conditioning**", Journal of mechanical engineering research and developments, Volume-39, No.3, pp- 757-762, 2016. ISSN: 1024-1752, Indexed in Scopus.
 9. J. Kalpana, P. Srinivasa Rao, P. Govinda Rao," **Effect of Frequency on impact Strength of Dissimilar weldments produced with vibration**", International Journal of Chemical Sciences, Volume-14, Issue-3, pp- 1797-1804, 2016. ISSN: 0971-768X, Indexed in Scopus.
 10. K. Santa Rao, C.L.V.R.S.V. Prasad, G. Swaminaidu, "**Influence of dominant variables and their optimization for nanopowder blended EDM process**", Journal of Engineering Technology, Volume-6, Special issue on Technology Innovations and applications, pp-164-169, October-2017. ISSN: 0747-9964, Indexed in SCI and Scopus.
 11. G.V.D. Mohan, Srinivas Kona, A. Lakshmu Naidu, "**A small-scale fabrication facility for extraction of alternative diesel fuel from waste plastic**", International Journal of Mechanical and Production Engineering Research and Development, Volume-8, Issue-1, pp- 521-530, February 2018. ISSN: 2249-6890, Indexed in Scopus.
 12. U. Sudhakar, J. Srinivas, M.V.A. Raju Bahubalendruni, " Flexural Behaviour Characterization of AA5251-AA6063 Joint prepared through Friction Stir Welding process", International Journal for Research and Development in Technology", Vol. 8, Issue 6, pp. 211-214, December 2017.
 13. S. Chiranjeeva Rao, B. Ravisankar, B.M.V.A. Raju, "A GRNN based Frame Work to Test the Influence of Nano Zinc Additive Biodiesel Blends on CI engine Performance and Emissions", Egyptian Journal of Petroleum (Elsevier Journal), published online first in September 2017. (Scopus Indexed)
 14. M.V.S.Babu, K.N.S.Suman, A.Ramakrishna, "Improvement of Fatigue Strength of Tin Babbit by Reinforcing with Nano Ilmenite", Journal of Engineering Science and Technology, Vol.12, Issue 8, pp. 1999 - 2009, October, 2017, ISSN No.: 1823-4690, Scopus Indexed: Yes.

15. Ch.Vinod Babu, M. Vykunta Rao, U. Sudakar, "Analysis of composite leaf spring: A comparison", International Journal of Mechanical Engineering and Technology (IJMET), Volume.8, Issue.6, pp-688-694, June-2017. ISSN: 0976-6359, Indexed in Scopus.
16. Chiranjeeva Rao Seela, Ravisankar Bhuvanagiri, Rajesh Bathi "Effect of Nano Al₂O₃ Added Jatropa Methyl Ester On CI Engine Performance and Emissions", Rasayan Journal of Chemistry, Volume. 10, No. 4, pp-1189-1193, October - December, 2017. ISSN: 0976-0083, Scopus Indexed: Yes.
17. D. Srinivasa Kumar, "Housing Finance Snags faced by Indian home loan mortgagors: A matter-of-fact study", Indian Journal of Finance, Volume.11, Issue.11, pp- 56-65, November-2017. ISSN: 0973-8711, Scopus Indexed: Yes.
18. D. Venkata Rao, K. Srinivas, A. Lakshumu Naidu, " A review on Jute stem Fiber and its Composites", International Journal of Engineering trends and Technology (IJETT), Volume.6, Issue.1, pp-1-11, September-2017. ISSN: 2231-5381.
19. Ch.Vinod Babu, K. Ramji, "Structural Analysis of Nanocomposite Foundation for Marine Machinery", Journal of Engineering Science and Technology Review, Volume-10, Issue-4, pp-31-36, 2017. ISSN: 1791-2337, Indexed in Scopus.
20. V. Rambabu, J. Ramarao, S. Ravibabu, " Enhancement of Heat transfer in Shell and Tube heat exchanger by using nano fluid", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume-7, Issue -5, pp-191-198, October-2017. ISSN: 2249-6890, Indexed in Scopus.
21. G. Musalaiah, B.V. Suresh, B. Prasanth, B. Dhanraj, " Experimental Studies on Tensile Properties of Jute Fiber reinforced Polymer Composites", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume-7, Issue -4, pp-321-326, August-2017. ISSN: 2249-6890, Indexed in Scopus.
22. G. Musalaiah, Y. Shireesha, P. Kamal Kumar, P. Satyanaryana Raju, " Compressive and Flexural strength improvement of Jute Fiber reinforced polymer composited", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Volume-7, Issue -4, pp-235-240, August-2017. ISSN: 2249-6890, Indexed in Scopus.
23. M. Sekar, I. Kantharaj, Amit Siddhappa, "Machining Chatter Analysis for High Speed Milling Operations" IOP Conference series: Materials Science and Engineering, Volume.247, No.1. pp. 012014, October 2017, (Scopus), ISSN: 757-899X.
24. M. Sekar, B. Suresha, I. Kantharaj, "Design of Smooth Ramp Feedrate for Machining Complex NURBS Paths", IOP Conference series: Materials Science and Engineering, Volume.247, No.1, pp. 012017, October 2017, (Scopus), ISSN: 757-899X
25. N.Venkatesh, M.Srinivasa Rao and A.Lakshmu Naidu, "Evaluation of High Speed Diesel Engine Performance and Characteristics of its Emissions with Carbon Nanotubes added Ethanol-Diesel Blends", International Journal of Mechanical and Production Engineering Research and Development, Vol. 7, Issue 4, pp. 439-446, August 2017. (ISSN(E): 2249-8001) (Indexed in Scopus)
26. D. Srinivasa Kumar "Effect of working capital on firms Profitability: A Pragmatic Study with reference to Pharmaceutical Companies in India", International Journal for Advanced Research, Vol. 5, Issue No. 7, pp. 668-672, 2017.
27. Chiranjeeva Rao Seela, B. Ravi Shankar, D. Kishore and M.V.S. Babu, "Experimental Analysis on a DI Diesel Engine with Cerium-oxide-added Mahua Methyl Ester Blends",

- International Journal Ambient Energy, Published online on 10th August, 2017. (ISSN 2162-8246) (Indexed in ESCI)
28. S. Chiranjeeva Rao, A. Saravana Kumar and G. Chandra Sekhar, "Influence of Nano Added Mmc Blends on CI Engine based on DOE Concept", International Journal of Mechanical Engineering and Technology (IJMET), Vol. 8, Issue 7, pp. 860-868, July 2017. (ISSN: 0976-6359, Indexed in Scopus)
 29. D.Venkata Rao, "A Subassembly Identification Method for Optimal Assembly Sequence Generation", International Journal of Mechanical Engineering and Technology (IJMET), Vol. 8, Issue 7, pp. 449-454, July 2017. (ISSN: 0976-6359, Indexed in Scopus)
 30. G. Musalaiah, B.V. Suresh, Monica Tanniru and P. Ramakrishna Reddy, "Development and Mechanical Characterization of Glass Fiber Reinforced Polymer Composite", International Journal of Mechanical Engineering and Technology (IJMET), Vol. 8, Issue 7, pp. 231-239, July 2017. (ISSN: 0976-6359, Indexed in Scopus)
 31. G.Musalaiah, Y.Shireesha, M.V.Babu Tanniru and U.Pranavi, "Flexural Strength Enhancement of Glass Fiber Reinforced Polymer Composite", International Journal of Mechanical Engineering and Technology (IJMET), Vol. 8, Issue 7, pp. 240-246, July 2017. (ISSN: 0976-6359, Indexed in Scopus)
 32. Simhadri Kambala, Ibrahim Mohaamad, "A Study on the Performance of An Ejector Expansion Refrigeration (EERS) System using Various Refrigerants and Geometric Parameters", International Journal of Mechanical Engineering and Technology (IJMET), Vol. 8, Issue 7, pp. 992-1000, July-2017. (ISSN: 0976-6359, Indexed in Scopus)
 33. G.V.S.S.Sharma, P.Srinivasa Rao, B.Surendra Babu, "Process capability improvement through DMAIC for aluminum alloy wheel machining", Journal of Industrial Engineering International, Published online on 24th July, 2017. (ISSN: 2251-712X, Indexed in Scopus)
 34. G.V.S.S. Sharma and M. V. A. Raju Bahubalendruni, "An Automated Computer Aided Procedure for Exploded View Generation", International Journal of Performability Engineering, Vol. 13, No. 4, pp. 390-399, July 2017. (Indexed in Scopus)
 35. P. Govinda Rao, P. Srinivasa Rao and B.B.V.L. Deepak, "GRNN- Immune Based Strategy for Estimating and Optimizing the Vibratory Assisted Welding Parameters to Produce Quality Welded Joints", Engineering Journal, Vol. 21, Issue 03, pp. 251-267, July 2017. (ISSN: 0125-8281. Indexed in Scopus and ESCI)
 36. P.N.L. Pavani, C.L.V.R.S.V. Prasada and K. Ramji, "Experimental Study & Optimization of Machining Parameters in Turning of AISI 1040 Steel with Micro-grooved WC Cutting Tools", Engineering Journal, Vol. 21, Issue 04, pp. 155-169, July 2017. (ISSN: 0125-8281. Indexed in Scopus and ESCI)
 37. S. Rajesh, Kumar and P. Sai, Chaitanya, "Impact of Emulsification of Bio Diesel Blends on a Diesel Engine- A Recent Review", International Journal for Research in Applied Science & Engineering Technology, Vol. 5, No. 6, pp. 7-12, 2017.
 38. Chiranjeeva, Rao, Seela and K. Sathi, Reddy and N.Ramesh, "Analysis of turbocharged DI Diesel Engine Fuelled With Linseed Methyl Ester", International Journal of Applied Environmental Sciences, Research India Publications, Vol. 12, No. 6, pp. 1159-1166,2017.
 39. BBVL Deppak and MVA Raju, Bahubalendruni, "Numerical analysis for force distribution along the swing jaw plate of a single toggle jaw crusher", World Journal of

- Engineering, Emerald Insight publisher, Vol. 14, No. 3, pp 255-260, 2017 (scopus, ECSI)
40. BBVL Deppak and MVA Raju, Bahubalendruni, “ Development of a Path Follower in Real Time Environment”, World Journal of Engineering, Emerald Insight publisher, 2017. (scopus, ECSI)
 41. D Venkata, Rao and A Lakshmu, Naidu and Srinivas, Kona, “ Design and Simulations of Walk Link”, International Journal of Engineering Trends and Technology, Vol 47, No. 8, pp 468-473, 2017
 42. V Rambabu and P Sai, Chaitanya and K Prasad, Rao, “ Investigtion on Performance of diesel engine using Al₂O₃ nanofluid as coolant”, Advances in Science and Technology Research Journal, Lublin University of Technology, Poland, Vol.11, No 2, pp 58-64, 2017. (ECSI)
 43. M Srinivasa, Rao and N Venkatesh and A Lakshumu, Naidu, “ A Review on Performance of Diesel Engines by using Biodiesel blends from Different oils”, International Journal for Research and Development in Technology, Vol. 7, No. 6, pp. 135-143, 2017
 44. A Lakshumu, Naidu and PSV Ramana, Rao, “ A Review on Chemical Properties of Biodiesel from Sorghum Oils”, International Journal of ChemTech Research , Sai Scientific Communications, Vol. 10, No. 3, pp 156-161, 2017 (scopus, ECSI)
 45. B Venkata, Suresh and P Govinda, Rao and G Musalaiah and P Srinivasa and Rao, “ Influence of Vibratory Weld Conditioning on Hardness of Lap Welded Joints”, International Journal of Mechanical Engineering and Technology, IAEME Publications , Vol. 8, No. 1, pp 169-177, 2017 (Scopus Indexed)
 46. G Musalaiah and B Venkata, Suresh and P Govinda, Rao and P Srinivasa and Rao, “ Shear Strength Enhancement in Vibratory Lap Welded Joints”, International Journal of Mechanical Engineering and Technology, IAEME Publications, Vol. 8, No.1, pp. 160-168, 2017. (Scopus Indexed)
 47. P.N.L. Pavani, R. Pola Rao, C.L.V.R.S.V. Prasad, “Synthesis And Experimental Investigation Of Tribological Performance Of A Blended (Palm And Mahua) Bio-Lubricant Using The Taguchi Design Of Experiment (Doe)”, International Journal of Technology, Volume.8, No-3, pp- 418-427, 2017. ISSN 2086-9614, Indexed in Scopus, Impact Factor: 0.123 (SJR).
 48. P.N.L. Pavani, R. Pola Rao, K. Santa Rao, “Performance Assessment and Mathematical Modeling of Process Parameters in Electrical Discharge Machining of EN-31 Tool Steel Material Using Taguchi DOE”, Engineering Journal, Volume.21, Issue-2, pp- 227-236, March-2017. ISSN 0125-8281, Indexed in ECSI & Scopus, Impact Factor: 0.23 (SJR).
 49. M. Vykunta Rao, P. Srinivasa Rao and B. Surendra Babu, “ Vibration Effect on the Impact Strength of Al 5052-H32 Weldments”, Journal of Mechanical Engineering Research and Developments, Vol. 40, No.01, pp-311-316, 2017. (ISSN: 1024-1752) (Indexed in Scopus)
 50. V. Chitti Babu, K. Santa Rao, P. Govinda Rao and M.V.S. Babu, “Evaluation of Stress Intensity Factors of Different Materials: A Finite Element Approach”, International Journal of Chemical Sciences, Vol. 14, Issue 4, pp- 1886-1892, 2016. (ISSN 0972-768X) (Indexed in Scopus) (Submitted in April 2017)
-

2016-2017:

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 Engineering, Andhra University College of Engineering, Visakhapatnam, during March 10th – 11th 2017.

2016-2017:

National Journal:

-----NIL-----

2016-2017:

International Conference:

1. P. Sai Chaitanya, T.V.S. Siva and K. Simhadri, "Production and Purification of Biogas from Biodegradable Waste", Published in Proceedings of the 1st International and 18th ISME Conference, ISME18, Organized by NIT Warangal, Warangal, February 23rd – 25th, 2017.
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.
3. G.V.S.S. Sharma, P. Srinivasa Rao, B. Surendra Babu, "A Spatial Visualization Methodology in Brainstorming the Casual Factors for Process Deviations in Manufacturing", 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), Organized by College of Engineering, Pune, Maharashtra, 16th to 18th December 2016.
4. G.V.S.S.Sharma, P. Srinivasa Rao, B. Surendra Babu, C.L.V.R.S.V. Prasad, T.R. Krishna Mohan, "Some Investigations on sandblasting parameters in Die Casting of Alloy Wheels", 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), Organized by College of Engineering, Pune, Maharashtra, 16th to 18th December 2016.
5. P. Suman, A. Lakshumu Naidu, P.S.V. Ramana Rao, "Processing and mechanical behavior of hair fiber reinforced polymer metal matrix composites", International Conference on Recent Innovations in Engineering and Technology (ICRIET-2k16), Organized by Gandhi Institute of Engineering and Technology, Gunpur on 5th & 6th November-2016

2016-2017:

International Journals:

1. A.K.Matta, "Modeling of micro turbine for rapid prototyping", International Journal for Modern Trends in Science and Technology, Vol. 2, Issue.7, pp. 19 to 22, July 2016. (Indexed in Thomson reuter end notes) (Submitted in April 2017)
2. A.K.Matta, "Preparation and toughness studies of Acetal (POM) & PTFE blend", International Journal for Modern Trends in Science and Technology, Vol. 2, Issue 12, pp. 63-67, December 2016. (Submitted in April 2017)
3. M.Vykunta Rao, P.Govinda Rao and P.Srinivasa Rao, "Development of a Prediction Tool for Tensile Strength of the Welded Joints prepared by Vibratory Welding Process", Material Focus Journal, Vol. 6, No. 3, pp 319-324, June 2017. (Indexed in Emerging Sources Citation Index (ESCI) Web of Science (Thomson Reuters)) (ISSN: 2169-429X (Print) EISSN: 2169-4303 (Online))
4. K.Santa Rao, C.L.V.R.S.V. Prasad and G. Swami Naidu, "Experimental Investigation to Study the Viscosity and Dispersion of Conductive and Non- Conductive Nano Powders Blended Dielectrics", Advances in Sciences and Technology Research Journal, Vol. 11, Issue 1, March 2017. (IISN: 2299-8624, Indexed in Emerging Sources Citation Index (ESCI) Web of Science (Thomson Reuters))
5. V.Jagadeesh, K.Venkata Subbaiah, P.Govinda Rao and P.Jamaleswara Kumar, "Sustainable Development in Process Industries: A Review", International Journal of Chemical Sciences, Vol. 14, Issue 4, pp. 1959-1976, 2016. (ISSN 0972-768X, Indexed in Scopus)
6. K. Rajendra, M.V.S. Babu, P.Govinda Rao, K.N.S. Suman, "Recent Developments in the Fabrication of Metal Matrix Composites by Stir Casting Route: A Review", International Journal of Chemical Sciences, Vol.14, Issue 4, pp. 2358-2366, 2016. (ISSN 0972-768X, Indexed in Scopus)
7. P.Sai Chaitanya, V.Rambabu, K.Simhadri, "Investigation on Effect of Water Emulsified with Diesel by Surfactant addition on Performance and Emission Characteristics of Diesel Engine", International Journal of Chemical Sciences, Vol. 14, Issue 4, pp. 2835-2844, 2016. (ISSN 0972-768X, Indexed in Scopus)
8. T.V.S. Siva, P.Sai Chaitanya, "Optimization of Shell and Tube Heat Exchanger used in a Rankine Cycle of Exhaust Gas Waste Heat Recovery System using CFD", International Journal of Chemical Sciences, Vol. 14, Issue 4, pp. 2247-2258, 2016. (ISSN 0972-768X, Indexed in Scopus.)
9. A.Rakesh, K.Simhadri, "Experimental Investigation on Performance Characteristics of Four Stroke Single Cylinder Petrol Engine using a Pre-Heating Set-Up and Fuel Blends", International Journal of Chemical Sciences, Vol. 14, Issue 4, pp. 2198-2210, 2016. (ISSN 0972-768X, Indexed in Scopus)
10. B.V.Suresh, Y.Shireesha, P.Govinda Rao, "Performance Analysis of a Four Stroke Petrol Engine with and without Turbocharger and Emission Analysis using Alternate Fuel", International Journal of Chemical Sciences, Vol. 14, Issue 4, pp. 1918-1928, 2016. (ISSN 0972-768X, Indexed in Scopus)
11. A.Lakshumu Naidu and P.S.V. Ramana Rao, "A Review on Chemical Behavior of Natural Fiber Composites", International Journal of Chemical Sciences, Vol. 14, Issue 4, pp. 2223-2238, 2016. (ISSN 0972-768X, Indexed in Scopus)

12. K.Srinivas, A.Lakshumu Naidu and M.V.A. Raju Bahubalendruni, "A Review on Chemical and Mechanical Properties of Natural Fiber Reinforced Polymer Composites", *International Journal of Performability and Engineering*, Vol. 13, No. 2, pp. 189-200, March 2017. (ISSN No: 09731318, Indexed in Scopus)
13. P.S.V.Ramana Rao and A.Lakshumu Naidu, "Design and Fabrication of Pedal Operator Centrifugal Pump", *Open Journal of Technology & Engineering Disciplines (OJTED)*, Vol. 2, No. 4, pp. 25-39, December 2016. (ISSN: 2455-6971)
14. A.K.Matta, "Modeling of Micro Turbine for Rapid Prototyping", *International Journal for Modern Trends in Science and Technology*, Vol. 2, Issue.7, pp. 19-22, July 2016 (Indexed in Thomson Reuter end notes)
15. A.K.Matta, "Preparation and Toughness Studies of Acetal (POM) & PTFE Blend", *International Journal for Modern Trends in Science and Technology*, Vol. 2, Issue.12, pp. 63-67, December 2016 (Indexed in Thomson Reuter end notes)
16. P. Govinda Rao, V. Jagadesh, K. Santa Rao, V. Chittibabu, "Performance of Solar Power Refrigerator using Different Materials: A Comparison", *International Journal of Manufacturing, Materials, and Mechanical Engineering*, Vol. 7, Issue 1, January-March 2017, Indexed in Google Scholar.
17. A. Lakshumu Naidu, V. Jagadeesh, M.V.A.Bahubalendruni, "A Review on Chemical and Physical Properties of Natural Fiber Reinforced Composites", *International Journal of Advanced Research in Engineering and Technology (IJARET)*, Vol. 8, Issue 1, pp. 56–68, January- February 2017. (Indexes in google scholar.)
18. Vinodbabu Chintada, Sudhakar Uppada, Chiranjeeva Rao Seela, "Design and Fabrication of Reducing Toxic Particle Silencer", *International Journal of Chemical Sciences*, Vol. 14, Issue 4, pp. 2012-2020, 2016. (Indexed in Scopus)
19. G. Vamsi Durga Mohan, K. Santa Rao, P. Srinivasa Rao, "Enhancement in Mechanical Properties of Vibratory Welded Joints: An Overview", *International Journal of Mechanical Engineering and Technology (IJMET)*, Vol. 8, Issue 2, pp. 50–55, February 2017 (Indexed in Scopus, Google Scholar)
20. U. Sudhakar, M. V. A. Raju Bahubalendruni, "DFA Model Through Assembly Contact Data And Geometrical Feasibility Testing", *International Journal of Mechanical Engineering and Technology (IJMET)*, Vol. 8, Issue 2, pp. 131 to 136, February 2017. (Indexed in Scopus, Google Scholar)
21. G.V.S.S. Sharma, R. Umamaheswara Rao, P. Srinivasa Rao, "A Taguchi Approach on Optimal Process Control Parameters for HDPE Pipe Extrusion Process", *Journal of Industrial Engineering International*, Springer, doi:10.1007/s40092-016-0179-1, pp 1–14, 24 December 2016. (ISSN: 2251-712X , Indexed in Scopus)
22. Bala Murali Gunji, BBVL. Deepak, MVA Raju Bahubalendruni, and B. B. Biswal. "Hybridized Genetic-immune Based Strategy to Obtain Feasible Assembly Sequences", *International Journal of Engineering Computations*, Vol. 8, 2017 (Published online first). (ISSN No: 1923-2934, Indexed in Scopus).
23. V. Chitti Babu, K. Santa Rao, P. Govinda Rao, "Factors affecting the Mechanical Properties of Compact Bone and Minature Specimen Test Techniques: A Review", *Advances in Science and Technology Research Journal*, Vol. 10, No. 32, pp- 169-183, December 2016. (Indexed in Emerging Sources Citation Index (ESCI) by Thomson Reuters Web of Science).

24. B.B.V.L.Deepak, M.V.A.Raju Bahubalendruni, and B. B. Biswal. "Development of in-pipe robots for inspection and cleaning tasks: survey, classification and comparison." *International Journal of Intelligent Unmanned Systems*, Vol. 4, Issue 3, 2016. (ISSN No: 2049-6427, Indexed in Scopus).
25. D. Venkata Rao, M.V.S. Babu, K. Santa Rao, P. Govinda Rao, "Experimental Investigation of Mechanical Behaviour of Tin Alloy based Particulate Metal Matrix Composites", *International Journal of Chemical Sciences*, Vol. 14, Issue 3, pp- 1730-1736, 2016. (ISSN No : 0972-768X, Indexed in Scopus).
26. M. Vyunkta Rao, P. Srinivasa Rao and B. Surendra Babu, " Investigate the Influence of Mechanical Vibrations on the Hardness of Al5052 Weldments", *Indian Journal of Science and Technology*, Vol. 9, Issue X, October 2016. (ISSN No : 0974-5645, Indexed in Scopus).
27. P.N.L.Pavani, R. Pola Rao, C.L.V.R.S.V.Prasad, S.Srikiran, "Performance Assesment and Study of Tribological Properties of Self-lubricating Materials for Dry Lubrication", *Journal of Mechanical Engineering Research and developments*, Volume 39, No.3, 2016, pp. 670-680. (ISSN No : 1024-1752, Indexed in Scopus).
28. S.Chiranjeeva Rao, B. Ravi Sankar, D. Sai Kiran, " Influence of biodiesel and its blends on CI engine performance and emissions: A review", *Biofuels Journal*, 2016, Taylor and Francis group, Accepted for publication on 22 June 2016. (Indexed in SCOPUS and Thomson Reuters Emerging Sources Citation Index, part of Web of Science, Print ISSN: 1759-7269 Online ISSN: 1759-7277)
29. T.Victor, K.Prasad Rao, B.V.Appa Rao, K.Aditya, "Experimental Investigation on combustion, emission, performance and cylinder vibration analysis of an IDI engine with RBME along with isopropanol as an additive", Accepted for publication on 9 August 2016. (Indexed in SCOPUS and Thomson Reuters Emerging Sources Citation Index, part of Web of Science, Print ISSN: 1759-7269 Online ISSN: 1759-7277)
30. J.S. Uday Kumar, C.L.V.R.S.V. Prasad, K.Santa Rao, "Simulation Studies of Impact of Electrode Geometry on Thermal Profiles in Micro EDM by using CFX Tools", *International Journal of Mechanical Engineering and Technology (IJMET)*, Vol. 7, Issue 4, pp. 196-204, August 2016. (Impact factor -9.2286 (GISI), ISSN : 0976-6359, Indexed in Google Scholar).
31. V.Chitti Babu, K.Santa Rao, P.Govinda Rao, M.V.S.Babu, " Experimental Studies on Tensile Properties of Various Steels using Miniature Specimens", *International Journal of Chem Tech Research*, Vol. 9, No.8, pp-305-311, 2016. (Impact Factor: 0.241, ISSN No.:0974-4290, Indexed in Scopus).
32. M. Srinivasa Rao and V.N.A. Naikan, "Review of Simulation Approaches in Reliability and Availability Modeling", *International Journal of Performability Engineering*, Vol. 12, No.4, pp 369-388, July 2016. (Submitted in August 2016)
33. A. Rakesh and K. Simhadri, "Experimental Investigation on Performance Characteristics of Four Stroke Single Cylinder Petrol Engine with Ethanol Blends using Pre-heating", *International Journal of Advanced Technology in Engineering and Science*, Vol. 4, Issue 08, pp 194, August 2016. (Impact Factor: 2.870)
34. P. Sai Chaitanya, T.V.S. Siva, B. Suneela Rani, "A Review on optimization of shell and tube heat exchanger used in Rankine cycle of Exhaust gas waste heat recovery system",

International Journal of Scientific & Engineering Research, Vol. 7, Issue 6, June 2016.
(Indexed in Google Scholar and Thomson Reuters)

35. B. Venkatanarayana, Ch. Ratnam, R. Umamaheswara Rao and K. Prasad Rao, "Multi-response optimization of DI diesel engine performance parameters using Karanja methyl ester by applying Taguchi-based principal component analysis", Biofuels Journal, Taylor & Francis group, published online, on 14th July 2016. (Indexed in scopus)
36. C.L.V.R.S.V.Prasad, K.Santa Rao and P.Govinda Rao, "Thermoelectric Power Generation by Recovering Heat Energy from the Exhaust Gases: A Green Technology Approach", International Journal of Chem Tech Research, Vol. No.9, Issue No.5, pp 577-584, 2016. (Impact Factor: 0.241) (Indexed in: Scopus) (ISSN No.:0974-4290).
37. Y.Shireesha, B.Venkata Suresh and P.Govinda Rao, "Emission Reduction using Catalyst Converter", International Journal of Chem Tech Research, Vol. No.9, Issue No.3, pp 540-549, 2016. (Impact Factor: 0.241) (Indexed in: Scopus) (ISSN No.:0974-4290).
38. P. Sai Chaitanya, T.V.S. Siva and B. Suneela Rani, "Thermo Electric Power Generation using Heat from Exhaust Gas – A Recent Review", Pak. J. Biotechnology, Vol. 13(special issue), pp. 40-44, 2016. (Indexed in Scopus, ISSN No: 1812-1837)
39. P.N.L.Pavani, C.LV.R.S.V.Prasad and K.Ramji, "Review on Influence of Nanocoatings on Tool Wear and Suggesting Alternate Methods of Coatings", Journal of Machining and Forming Technologies, Nova Science publishers, Vol.No.7, Issue No. 3-4, pp.1-10, 2016.(Indexed in Scopus) (ISSN No.:1947- 4369)
40. K.Prasada Rao, K Santa Rao, P Govinda Rao, "Experimental Investigation on performance and Emission Characteristics of a DI Diesel Engine Fuelled with Rice Bran Oil Methyl Ester and Methanol as an additive ", International Journal of ChemTech Research, Vol. No.9, Issue 3, pp 258-266, May 2016. (Impact Factor: 0.241) (Indexed in: Scopus)

2015-2016:

National Conferences:

-----Nil-----

National Journals:

1. K.Santa Rao, G.Musalaiah, K.Mohan Krishna Chowdary, "Finite Element Analysis of a Four wheeler Automobile Car Chassis", Indian Journal of Science and Technology, Volume 9(2), January 2016, (Scopus Indexed).

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
2. U.Sudhakar, J.Srinivas, "Modeling and Design of a Spherical Parallel Manipulator for Friction-Stir Welding of Aluminum Alloy Plates", 2nd International and 17th National conference on machines and mechanisms (iNaCoMM 2015), IIT, Kanpur, 16th to 19th December, 2015.

3. C.L.V.R.S.V Prasad Chilamakurti, Naga Laxmi Pavani Puvvada, Ramji Koon 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.
2. M. Srinivasa Rao and V.N.A. Naikan, "A Markov system Dynamics approach for repairable systems reliability modeling", International Journal of Reliability, Quality and Safety Engineering, World Scientific Publishing Company, Volume 23, No.1, 2016.
3. G.V.S.S.Sharma, P.Srinivasa Rao, B.Surendra Babu, "Process-Based Tolerance Assessment of Connecting Rod Machining Process", Journal of Industrial Engineering International, Springer publishers, February 2016.
4. P.N.L.Pavani, C.L.V.R.S.V.Prasad, K.Ramji, S.V.Ramana, "Characterization of Wear and Prediction of Wear Zone Locations on the Rake Face using Mamdani Fuzzy Inference System", Proceedings of the Institute of Mechanical Engineers, Part B: Journal of Engineering Manufacture, January 27, 2016.
5. P.N.L. Pavani, R.Pola Rao, S. Srikan, "Performance Evaluation and Optimization of Nano Boric Acid Powder Weight Percentage Mixed with Vegetable Oil using Taguchi Approach", Journal of Mechanical Science and Technology (Springer), Volume 29, Issue 11, , pp- 4877-4883, 2015.
6. K. Simhadri, P. Srinivas, "Performance and Emission Analysis of Partially Insulated Four Stroke Diesel Engine Fuelled with Blends of Sunflower Methyl Ester", International Journal of Engineering Trends and Technology (IJETT), Vol. 27, No. 6, , pp- 287,September 2015.
7. R. Umamaheswra Rao, G.Babji and T.Venkateswara Rao, "Preparation and Characterization of Non Asbestos Brake Pads", International Journal of Applied Engineering Research, Vol. 10, No. 15, pp. 35945-35947, September 2015. (Scopus Indexed).
8. G.V.S.S.Sharma, Ravi Kumar Dumpala, "Teaching of mechanical engineering concepts through three-dimensional geometric modeling", International Journal of Mechanical Engineering Education, September 2015 (Indexed in Scopus)
9. P. Govinda Rao, P. Srinivasa Rao, A. Gopala Krishna, "Evaluating the bending strength of the vibratory welded joint using regression technique", International Journal of offshore and Polar Engineering (IJOPE), Vol. 25, No. 3, pp 227-230, September 2015. (Indexed in SCI)
10. Ch. Naveen Kumar, K. Prasad Rao, "Experimental Investigation on performance and emission characteristics of a DI Diesel engine fuelled with Palm oil Methyl Ester and Methanol as an additive", International Journal of Engineering Trends and Technology (IJETT), Vol. 26, No. 3, pp 132, August 2015.

11. V. Joshua Jaya Prasad, V. Rambabu, "Combustion and performance analysis of direct injection, compression ignition engine fuel with preheated neat cotton seed methyl ester", *Biofuels*, Taylor & Francis Group, June 2015.
12. P. Govinda Rao, P. Srinivasa Rao, A. Gopala Krishna, "Flexural Strength Improvement of Welded Joints Prepared by Vibratory Welding Process", *International Journal of Manufacturing, Materials, and Mechanical Engineering*, Vol. 5, Issue 4, pp 1-16, , October-December 2015. (Indexed in SCOPUS)
13. P. Govinda Rao, P. Srinivasa Rao, A. Gopala Krishna, "Impact Strength Improvement of Butt Welded Joints prepared by Vibratory Welding Process", *Journal of Manufacturing Technology Research*, Nova Science Publishers Inc., Vol. 6, No. 3-4, July 2015. (Abstracted and Indexed in SCOPUS)
14. S. Chiranjeeva Rao, M. Srinivasa Rao, "Performance Analysis of DI Diesel Engine Fuelled with Diesel along with Nano Additives", *International Journal of Engineering Trends and Technology (IJETT)*, Vol. 24, No. 2, PP- 107, June-2015. (ISSN: 2231-5381, IF-1.795, Indexed in- Cross ref, DOAJ, Google Scholar, Index Copernicus.)
15. 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)
16. M. Srinivasa Rao, V.N.A. Naikan, "Availability Modeling of Repairable Systems using Markov System Dynamics Simulation", *International Journal of Quality & Reliability Management*, Emerald Group Publishing Limited, Volume 32, No.5, pp- 517-531, 2015. (Scopus Indexed)
17. K. Prasad Rao, B.V. Appa Rao, V. Rambabu, "Heat Release Rate and Engine Vibration Correlation to Investigate Combustion Propensity of an IDI Engine Run with Biodiesel (MME) and Methanol Additive as an Alternative to Diesel Fuel", *Biofuels*, Taylor & Francis Group, May 2015. (Online Journal)
18. D. Ravi Kumar, Maneesh Chandran, M.S. Ramachandra Rao, "Engineered CVD Diamond Coatings for Machining and Tribological Applications", *Journal of the Minerals, Metals & Materials Society*, Springer, May 2015. (Online Journal)
19. P. Sai Chaitanya, M.V.S. Pavan Kumar, P. Suneela Rani, "Design Of An Air Conditioning Unit For Swift-Diesel Engine Using the Heat Carried by Exhaust Gases and Cooling Water", *International Journal of Applied Engineering Research*, Special Issue Vol 10, No. 20, , Pg No- 19770-19774, 2015. (IJAER-Scopus Indexed)
20. CH. Vinod Babu, S. Chiranjeeva Rao, M. Vykunta Rao, "Modal and Static Analysis of Automotive Chassis Frame by Using FEA", *International Journal of Applied Engineering Research*, Special Issue Vol 10, No. 20, Pg No- 19775-19777, 2015. (IJAER-Scopus Indexed)
21. B. V. Suresh, Y. Shireesha, B. Sateesh, "Evolution of Performance of Primary and Secondary air Preheaters", *International Journal of Engineering Trends and Technology (IJETT)*, Volume 22, No 7, pp:311-314, April-2015.
22. CH. Vinod Babu, S. Chiranjeeva Rao, M. Vykunta Rao, "Structural Analysis of Eicher 11.10 Chassis Frame", *International Journal of Engineering Trends and Technology (IJETT)*, Volume 22, No 7, pp: 315-319 April-2015.
23. Sudheer Kumar Nagothu, Joseph Praveen Kumar, G. Anitha, "Lossless Compression of Hyperspectral images using Differential pulse code modulation", *International Journal of*

Applied Engineering Research, Special Issue, Vol 10, No. 20, Pp: 15613-15617, 2015. (IJAER-Scopus Indexed)

24. A. Sudhakar, M. Satyanarayana, M. Sunil Prakash, Sudhir Kumar Sharma, “WLAN Band Notched UWB Square Monopole Antenna with Swastik and C Shaped Slot”, International Journal of Applied Engineering Research, Special Issue, Vol 10, No. 20, Pg No- 19764-19769, 2015. (IJAER-Scopus Indexed)
25. M.Vykuntarao, S.Chiranjeeva Rao, Ch.Vinod Babu and M.V.Sekhar Babu “Influence of reinforced particles on the Mechanical properties of Aluminium Based Metal Matrix Composite – A Review”, Chemical Science Review and Letters, Vol 4, Issue 13, pp 335-341, May 2015.

2014-2015

National Conferences:

-----NIL-----

National Journals:

-----NIL-----

Inter National Conference:

1. 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.
2. A. Sudhakar, M. Sunil Prakash, Sudhir Kumar Sharma, “Single Band-Notched UWB square monopole antenna with double U- slot and key shaped slot”, 5th IEEE International Conference on Communication systems and Network Technologies, MIR Lab, Gwalior, 4th - 6th April 2015.
3. M. Anil Kumar, V. Purushottam, “Analysis of the Novel Brake Rotor using FEM”, 5th international & 26th All India Manufacturing Technology, Design and Research Conference, December 12-14th, 2014, IIT Guwahati, Assam India.
4. N. Sudheer Kumar, G. Anitha, A. Sudhakar, “Navigation Aid for People(Joggers and runners) in the unfamiliar Urban Environment using Inertial Navigation”, Sixth International Conference on Advanced Computing (ICoAC’ 14), Department of Computer Technology, MIT Campus, Anna University, Chennai & IEEE Madras Section, December 17-19, 2014
5. N. Sudheer Kumar, Om Prakash Kumar, G. Anitha, “Autonomous Monitoring and Attendance system using Inertial Navigation system and GPRS in predefined Locations”, Third International Conference on Eco-friendly Computing and communicational systems (ICECCS 2014), NITK, Surathkal, December 18-21, 2014.
6. Vijaya Sekhara Babu.M, A. Ramakrishna, K.N.S. Suman, “Experimental Investigation of Mechanical behavior of Babbitt based particulate MMC fabricated using sand and die casting techniques”, International Symposium for Research Scholars (ISRS) - 2014, IIT-Madras, PS (Poster Session) IX-2, Materials Processing section, 12-12-2014.
7. Ravikumar Dumpala, B.V. Suresh, K. Ramasubramanian, V. Chittibabu, M.S. Ramachandra Rao, “Tribological and machining performance of the CVD diamond coatings against Alm –

30SiCp MMC”, International Conference on Advances in Design and Manufacturing (ICAD&M’ 14), NIIT, Tiruchirappalli, December 5-7, 2014.

8. R. Pola Rao, P.N.L. Pavani, S. Sri Kiran, “ Investigation and Optimization of the Effect of Titanium dioxide and Nanobaric acid in machining AISI 1040 Steel”, Interational colloquium on materials, manufacturing and metrology, ICMMM2014, August 8-9, 2014, IIT Madras, Chennai, India.

Inter National Journals:

1. S. Chiranjeeva Rao, M. Srinivasa Rao, “Performance Analysis of DI Diesel Engine Fuelled with Diesel along with Nano Additives”, International Journal of Engineering Trends and Technology (IJETT), Vol. 24, No. 2, PP- 107, June-2015. (ISSN: 2231-5381, IF-1.795, Indexed in- Cross ref, DOAJ, Google Scholar, Index Copernicus.)
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)
3. M. Srinivasa Rao, V.N.A. Naikan, “Availability Modeling of Repairable Systems using Markov System Dynamics Simulation”, International Journal of Quality & Reliability Management, Emerald Group Publishing Limited, Volume 32, No.5, pp- 517-531, 2015. (Scopus Indexed)
4. K. Prasad Rao, B.V. Appa Rao, V. Rambabu, “Heat Release Rate and Engine Vibration Correlation to Investigate Combustion Propensity of an IDI Engine Run with Biodiesel (MME) and Methanol Additive as an Alternative to Diesel Fuel”, Biofuels, Taylor & Francis Group, May 2015. (Online Journal)
5. D. Ravi Kumar, Maneesh Chandran, M.S. Ramachandra Rao, “Engineered CVD Diamond Coatings for Machining and Tribological Applications”, Journal of the Minerals, Metals & Materials Society, Springer, May 2015. (Online Journal)
6. P. Govinda Rao, P. Srinivasa Rao, A. Gopala Krishna, “A smart Prediction tool for estimating the impact strength of welded joints prepared by vibratory welding process”, Journal of Process Mechanical Engineering(Institute of Mechanical Engineers), Accepted on 2nd March 2015, Published online early on 29th March, 2015 (<http://pie.sagepub.com/content/early/recent>).
7. Y. Shireesha, S. Karthik, L.V.N. Ch. Mohan, “Comparison of different car cooling systems with portable car cooling system”, IOSR Journal of Mechanical and Civil Engineering, Volume-12, Issue 2,Version- 5, pp- 50-57, March-Apr 2015.
8. K. Simhadri, G.V.D. Mohan, P. Sai Chaitanya, “Comparison of the overall heat transfer coefficient value of double pipe heat exchanger without and with various twisted inserts of different twist ratios”, IOSR Journal of Mechanical and Civil Engineering, Volume-12, Issue 2,Version- 6, pp-115-124, March-Apr 2015.
9. S. Chiranjeeva Rao, Vinod Babu Ch, M. Vykunta Rao, “Techniques of Tar Removal from Producer Gas- A Review”, International Journal of Innovative Research in science, Engineering and Technology, Vol.4, Issue 2, Pp:258-266, Ess & Ess Research Publications ,February 2015.
10. P. Govinda Rao, P. Srinivasa Rao, A. Gopala Krishna, “Review on Residual Stresses in Welded Joints prepared under the influence of Mechanical Vibrations”, Journal of Manufacturing Technology Research, Volume 6, Number 1-2. , Nova Science Publishers

11. VSSSR Guptha, K. Mallic, P. Govinda Rao "Two Dimensional Modeling of Oil Bearing Geological Structures using Finite Element Method" Acta Engineering International, VOL.2 Issue 1 PP;30-36 2014, Aufa periodicale
12. K.Ch.Sekhar, V.Gagadeesh, VSSR Guptha, Jkalpana" Design and Fabrication of Manual Peeling Machine "Acta Engineering International, VOL.2 Issue 1 PP;19-26 2014, Aufa periodicale
13. K Prasad Rao, B.V. Appa Rao, "Performance and emission characteristics of an indirect diesel injection engine fueled with Mahua methyl ester and methanol as an additive", Biofuels Journal, Taylor & Francis Group, Biofuels (2014) 5(4), 369-378.
14. K. Simhadri, P.Sai Chaitanya, G.V.D. Mohan, "Experimental Analysis On Performance Improvement Of Diesel Engine Utilizing Alternate Fuels", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 12, Issue 1 (Ver. I - Jan-Feb. 2015), PP 8-13.
15. P. Sai Chaitanya, B. Suneela Rani, K. Vijaya Kumar, "Thermal Analysis of Engine Cylinder Fin by Varying Its Geometry and Material", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 11, Issue 6 Ver. I (Nov- Dec. 2014), PP 37-44.
16. Maneesh Chandran, C.R. Kumaran, Ravikumar Dumpala, P. Shanmugame, R.Natarajan, S.S. Bhattacharya, M.S. Ramachandra Rao, "Nanocrystalline diamond coatings on the interior of WC-Co dies for drawing carbon steel tubes: Enhancement of tube properties", International journal of Diamond and related materials journal, Vol 50.PP:33-37, NOV 2014, ELSEVIER
17. M. Srinivasa Rao, V.N.A. Naikan, "Reliability analysis of repairable systems using system dynamics modeling and simulation", Journal of Industrial Engineering International (2014), Volume 10, article id.69, Springer.
18. A.K.Matta, R. Umamaheswara Rao, K.N.S. Suman, V. Rambabu, "Preparation and characterization of biodegradable PLA/PCL Polymeric blends", 3rd International Conference on Materials Processing and Characterization (ICMPC 2014), Procedia materials science 6(2014) 1266-1270.
19. P.N.L. Pavani, C.L.V.R.S.V. Prasad, K. Ramji, S.V.Ramana, "Design and Fabrication of Micro Grooves on the Rake Face of Tungsten Carbide cutting tools with an array of Nano films", International conference on Advances in manufacturing and material engineering, AMME-2014, Procedia materials science 5(2014) 2039-2045.
20. P.N.L. Pavani, B.K. Prafulla, R. Pola Rao, S. Srikanth, "Design, Modeling and Structural analysis of wave springs", 3rd International Conference on Materials Processing and Characterization (ICMPC 2014), Procedia materials science 6(2014) 988-995.
21. P. Srinivasa Rao, C.L.V.R.S.V. Prasad, G.V.S.S. Sharma, M.V.S. Babu, "Experimental Investigations and study of tribological behavior of alternate WC coated bearing surfaces", International conference on Advances in manufacturing and material engineering, AMME-2014, Procedia materials science 5(2014) 1165-1173.
22. V. Jagadeesh, Yegireddi Shireesha, Ch. Vinod Babu, Bade Venkata Suresh, K.CH. Sekhar, "Optimization and Fabrication of Dome shaped Crop Dryer", IOSR Journal of Mechanical and Civil Engineering, Volume 11, Issue -5, Ver-II, PP- 65-71. (September-October-2014),
23. D. Venkata Rao, K. Prasad Rao, S. Chiranjeeva Rao, R. Umamaheswara Rao "Design and fabrication of power generation system using speed breaker", International Journal of current engineering and technology, Volume-4, Issue-4, PP 2697 – 2702 August-2014.

24. K. Prasad Rao, V. Rambabu, K. Santa Rao, D. Venkata Rao, “ Mobile Operated Lawnmower”, International Journal of Mechanical Engineering and Robotics Research, Volume-3, Issue-4. PP 67 – 72 August-2014.
25. Ravi kumar Dumpala, Maneesh Chandran, S. Madhavan, B. Ramaoorthy, M.S. Ramchandra Rao, “High Wear Performance of the dual-layer graded composite diamond coated cutting tools”, International Journal of Refractory Metals and Hard Materials(Elsevier), Volume 48, PP 24- 30, Jan 2015.Elsevier
26. U. Sudhakar, J. Srinivas “ Path Planning of Parallel Manipulator linkage for Laser-Welding process”, International Journal of Engineering Research and Sports Science, Volume-1, Issue-7, July-2014
27. P. Govinda Rao ,P. Srinivasa Rao and A.Gopala Krishna “Mechanical Properties improvement of weldments using vibratory welding system “Journal of Engineering Manufacture (Proceedings of the institute of mechanical engineers), Volume-228, Issue-5, May2014 .
28. G.V.S.S. Sharma and P. S. Rao “A DMAIC approach for process capability improvement an engine crankshaft manufacturing process “ Journal of Industrial Engineering International Volume-10, Accepted- 15 May2014, Published(online)-27 May 2014 , Springer

2013-2014

National Conferences:

1. M.Srinivasa Rao “**A frame work for reliability analysis for boiler tubes of thermal power plants** ” one day National Conference on Recent Advances in Mechanical Engineering (NCRAME 14), JNTUCOE, Vizianagaram on 22 March 2014
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:

-----NIL-----

Inter National Conference:

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”.
2. P.Srinivasa Rao, CLVRSV Prasad “ Experimental Investigations and Study of Tribological behavior of alternate WC coated bearing surfaces “ 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”.
3. P. N. L. Pavani^{a*},B.K.Prafulla^b,R.Pola Rao^c, S.Srikiran^d , “**Design, Modeling and Structural Analysis of Wave Springs**”, 3rd International Conference on Materials Processing and Characterization (ICMPC 2014), GRIET, Hyd, during 8th - 9th March 2014. ICMPC proceedings will be published by Elsevier journal” Procedia Material Science”.
4. PNL Pavani, CLVRSV Prasad ,SV Ramana and K.Ramji « **The Infuence of Array of Alternative Nan coatings on The Characterization of Wear Zones on the Rake Face of Tungsten Carbide Cutting Tools** « International Conférence on

PRECISION,MESO,MICRO and Nano Engineering , Dec 13- 15 2013, NIT , Calicut Kerala , India.

5. CLVRSV Prasad , S.V.Ramana and P.L.Pavani “**Experimental investigations of wear zones on the rake face of Tungsten Carbide Inserts Under dry Machining Conditions**” International Conference on Modeling of Machining Operations (CIRP CMMO). 14 CIPR , PP :, June 2013
6. A.K . Matta R.U.M.Rao and V. Rambabu “**Preparation and characterization of ternary A blends composed of polylactide, poly (e-carrolactone) and MWCNT**” International conference on Engineering materials and processes(ICEMAP, PP :, June 2013

Inter National Journals:

1. K.Prasada Rao and BV Appa Rao “ **Investigation on Emission Characteristics of An Indirect Injection (IDI) Diesel Engine Replacing Conventional Diesel with neat Mahua Methyl Ester (MME) Blended with Methanol as an Additive**“ International Journal Engineering Research and Technology (IJERT) Vol.2. Issue. –II, PP 3462 – 3471, Nov, 2013
2. K.Prasada Rao and BV Appa Rao “ **Combustion and Emission Analysis of IDI - Diesel Engine Operating with neat Mahua Methyl Ester (MME) Blended with Methanol as an Additive**“ International Journal Engineering Research and Applications (IJERA) Vol.3. Issue. 6, PP 1642 – 1649, Nov- Dec 2013
3. GVSS Sharma and P Srinivasa Rao “ Processing Capability Improvement of an engine connecting rod machining process “ Journal of Industrial Engineering International(Springer) 9,37 2013
4. P.Sai Chaitanya, K.Simhdri & G.Vamisi Durga Mohan “ **Experimental Investigation on Impact of Hot and Cold Exhaust Gas Recirculation on Diesel Engine with Centane Improver**“ International Journal of Current Engineering and Technology (IJCET) Vol.3. No. -5, PP 1794 – 1798, ISSN 2277-4106 5 Nov, 2013
5. S. Ravi Babu , K.Prasada Rao and P. Ramesh babu “ **Performance Evaluation of an IC Engine in the presence of a C-D Nozzle in the Air intake manifold** “ International Journal of Current Engineering and Technology (IJCEAT) Vol.3. issue -4, Pp:1158-1163,September- October 2013
6. M.Vijaya Sekhar Babu, K.Santa Rao “ **Investigation of mechanical behaviour of ilmenite based al metal matrix particulate composites** “ International Journal of Engineering Research and Technology (IJMET) Vol.4. issue -5, Pp:111-115,September- October 2013
7. S.Chiranjeeva Rao, D.Venkata Rao and M.Vykunta Rao “ **Performance analysis of an air driven engine modified from si engine** “ International Journal of Engineering Research and Technology Vol.3 No.4 Pp:1440- 1447October 2013.
8. G.V.S.S.Sharma, V.Jagadeesh “ **Process capability improvement – a case study of an engine connecting rod manufacturing process** “ International Journal of Engineering Research and Technology (IJMET) Vol.4. issue -5, Pp:116-129..September- October 2013
9. G.V.S.S.Sharma, V.Jagadeesh “ **Process capability improvement – a case study of crank pin-bore honing operation of an engine connecting rod manufacturing process** “ International Journal of Advanced Research in Engineering and Technology (IJARET) Vol.4. issue -6, Pp:84-97.,September- October 2013
10. K.Prasada Rao, M.Anil Kumar, R.Umamaheswara Rao “**The six sigma approach to reduce specific roll consumption in medium merchant & structural mill**” International Journal of

Research in Engineering Science & Advanced Technology [IJREST], Volume-2, Issue-1, PP 120-129, ISSN: 2250-3676 Aug-Sep 2013.

11. V.Rambabu and Chiranjeeva Rao seela “ **Micro Algae as the Dependable Source For Energy Security** “ International Journal of Engineering Research and Technology (IJERT) Vol.2. issue -9 Pp:576 – 579, Sep 2013
12. K.Prasada Rao,R. Umamaheswara Rao S.Ravi babu and V.Rambabu “ **Optimization of performance parameters of a diesel engine fuelled with Biofuels** “ International Journal of Thermal Technologies (IJTT) Vol.3. issue -3 Pp:85 – 92, Sep 2013
13. K.Santha Rao, SV Ramana and CLRSV Prasad “ **Influence of solid lubricant emulsion on surface rough roughness of hardedned steel when machining on shaper** “ International Journal of Mechanical Engineering and Technology (IJMET) Vol.4. issue -5 Pp:63 – 70, Sep 2013
14. G.Rama Krishna, Ch. Anil Kumar P. Govinda Rao , V.chitti babu and SV Ramana “ **Finete element Analysis of Residual stresses in welded joints Prepared under Infuence of Mechanical Vibrations**“ International Journal on Mechanical Engineering and Robotics (IJMER) Vol.1. issue -1 Pp:85 – 89, Sep 2013
15. U. Sudhakar and J.Srinivas “ **A stiffness index prediction Approach 3- RPR planar parallel Linkage**“ International Journal of Engineering Research and Technology (IJERT) Vol.2. issue -9 Pp:2747-2752, Sep 2013
16. U. Sudhakar and J.Srinivas “ **Design and analysis of X-Y- θ positioning stage based on redundant parallel linkage** “ International Journal of Research in Engineering and Technology (IJRET) Vol.2. issue -9 Pp:371 - 377, Sep 2013
17. P. Saichaitanya, K. Simhadri and G.Durgavamsimohan “ **Impact of cold and hot exhaust gas recirculation on Diesel engine** “ International Journal of Research and Applications (IJRA) Vol.3. issue -5 Pp:430 – 434, Sep 2013
18. S.Ravi Babu, P.Ramesh Babu, V.Rambabu “ **Effect of some parameters on Thermal Conductivity of Nano fluids and Mechanisms of Heat Transfer Improvement** “ International Journal of Engineering Research and Applications (IJERA) Vol.3. issue -4 Pp:2136 – 2142, July-Aug 2013
19. LV Steesh V.Chittibabu “ **Finite element Analysis of Piezoelectric Transducers** “ ITSI Transactions on Electrical and Electronics Engineering, (ITSI-TEEE) Vol.1. issue -3 Pp:19 – 30, July 2013
20. P.Govinda Rao P.Srinivasa Rao,A Gopalakrishna and CV Sriram “ **Improvement of tensile strength of butt welded joints prepared by vibratory welding process** “ International journal of Mechanical and Technology (IJMET) Vol.4. issue -4 Pp:53 – 61, July 2013
21. Yegireddi Shireesha SV Ramana, P.Govinda Rao “ **Modelling and static Analysis of femur bone by using different implant materials** “ IOSR journal of Mechanical and Civil Engineering Vol.7. issue -4 Pp:82 – 91, July 2013
22. V.Chittibabu, Mr Bade Venkata Suresh, P.Govinda rao “**Determination of Mechanical Properties of Different Materials Using Inverse Finite Element Procedure for the Miniature Specimen Test Simulation** “ IOSr Journal of Mechanical and Civil Engineering (ISOR- JMCE), Volume 6 ,Issue 3 , ,PP25-36 ,May-june 2013
23. Ms J.Kalpana, S.V.Ramana , P.Govinda rao, V.Chittibabu, K.Santa Rao “ **Implementation of Generalized Regression Neural Network to Establish a Relation between Vibration Paramenters and Time of Vibration for Welded Joints.**” IOSr Journal of Mechanical and Civil Engineering (ISOR- JMCE), Volume 6 ,Issue 3 , PP : 36- 42 ,May-june 2013,

24. P.Govinda rao, CLVRSV Prasad, SV ramana and D.Sreeramulu “ **Development of Grnn Based Tool For Hardness Measurement of Homogeneous Welded Joints Under Vibratory Weld Condition.** “International Journal of Advanced Research in Engineering and Technology (IJARET), Volume 4,issue 4, , Pp : 50- 59 , May –June 2013

2012-2013

National Conferences:

1. S.Ravibabu, P.Beulah, R.Umamaheswara Rao “**Enhancement of Heat Transfer using nano fluids A Review** “National Conference for Researchers on Latest Innovations in Mechanical Engineering (Lime -2013), PP: 41-45,28 April 2013
2. Bade Venkata Suresh, V.Chittibabu, P.Govinda rao “ **Inverse Finite Element Procedure for the Determination of Mechanical Properties of Different Materials Using Miniature Specimen Test Simuation** “ Proceedings of the National Conference for Researchers on Latest Innovations in Mechanical Engineering (LIME-2013) PP: 18- 25, 28 April 2013,
3. P.Govinda Rao,P.Srinivasa Rao, A.Gopalakrishna, Sriram CV ” **Some Improvements in Mechanical Properties for Butt Welded Joints of Steels Through Vibratory Welding Process** “ Proceedings of the National Conference for Researchers on Latest Innovations in Mechanical Engineering (LIME -2013) Pp : 175- 180,27 April 2013.
4. Dr M. Srinivasa Rao, A.Suneetha “ **Reliability Evaluation based performance analysis of a process industry**” National Conference of Green Engineering and Technologies -2013on 16th to 17th March 2013 Centurion University of Technology Management Department of Mechanical Engineering , Odisha.

National Journals : - Nil -

Inter National Conference

1. L.V.Sateesh, V.Chittibabu “**Finite Element Analysis of Piezoelectric Transducers**” International Conference on Latest Trends in Engineering and Technology (ICLTET) PP : 65 – 76, 27 April 2013
2. Ramakrishna, Ch.Anil Kumar, P.Govinda Rao, V.Chittibabu, & S.V.Ramana “ **Finite Element Analysis of Residual Stresses in Welded Joints Prepared Under Influence of Mechanical Vibrations** “ International Conference on Latest Trends in Engineering and Technology (ICLTET), PP : 86-90., 27 April 2013
3. AS Kranthi , AK Matta “ Experimental Heat Transfer and Transient Heat Stress Analysis of a Brake Rotor “ International conference on advanced trends in polymeric materials, March 1-3 2013, Organized by CIPET Lucknow
4. P.Ramesh Babu , V. Rambabu and S.Ravi babu, “**Performance and combustion characteristics of DI-Diesel engine with neat MME and DEE** “ International conference on energy resources and Technologies for sustainable Development, (ICERTSD-2013), Howrah, West Bengal Feb 7-9,2013,
5. P.govinda Rao, and S.V. Ramana,“ **A finite Element based Analysis of Residual stresses of welded joint through mechanical vibrations** “International conference on advanced research in Mechanical engineering, Pune,18 - Nov 2012.

6. M srinivasa Rao, A suneetha **“A soft computing approach for reliability analysis of a power plant** “International conference on statistics and mathematics in engineering , Mogalaraj Puram, Vijayawada 14,15 Sep 2012
7. P Ramesh Babu, N.Haribabu and BV Appa Ra **“Combustion Heat Release Estimation and Cylinder Vibration Time Wave Study to Explore Best Blend of Mahuva Methyl Ester and Diethyl Ether as Cetane Improver in a Laboratory Based DI-Diesel Engine** “,International Conference on Challenges and Opportunities in Mechanical Engineering, Industrial Engineering and Management Studies (ICCOMM – 2012) ,MSRIT,Banglore, 11-13 July 2012
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

1. Ms. B.Krishna Prafulla, V.Chittibabu and P.Govinda Rao **“CFD Analysis of Convergent – Divergent Supersonic Nozzle”** International journal; of computational Engineering Research , Vol 3,Issue 5 ,PP 5-16, May 2013
2. V.Chittibabu, Mr.L.V.Sateesh,, P.Govinda Rao **“ Dynamic Analysis of Piezoelectric Transducers Using Finite Element Method** “ International journal of engineering and technology , Volume 2,issue 5, May -2013
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.Vykurta 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, Tamilnadu, 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 Kernel 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 Satayanarayana 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.Srikiran 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:

-----NIL-----

National Journals:

-----NIL-----

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:

-----Nil-----

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:

-----Nil-----

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:

-----Nil-----

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 Alternative 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:

-----Nil-----

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:

-----Nil-----