



KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)
NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2021-2022

FACULTY PUBLICATIONS - International / National Journals

SL. NO	DETAILS
1.	Duraisamy Jagadeesh, Ramasamy Venkatachalam, Gurusamy Nallakumarasamy, “Experimental and numerical study of an overlay composite absorber plate material for a solar air heater”, Material Testing, vol. 63, issue no. 7, pp. 681-686
2.	Bhiksha Gugulothu, N. Nagarajan, A.Pradeep, G. Saravanan, S. Vijayakumar. Janardhana Rao,” Analysis of Mechanical Properties for Al-MMC Fabricated through an Optimized Stir Casting Process”, Journal of Nano materials, Vol. 2022, Article ID 2081189
3.	B.Babu, V.Selvam, “Design and development of Power Generation from Speed pump”, International journal of multidisciplinary educational research, vol. 10, issue no. 6(2), pp. 101-104.
4.	R. Karthik, K. Gopalakrishnan, R. Venkatesh, A. Mohana Krishnan, S. Marimuthu, “Influence of stir casting parameters in mechanical strength analysis of Aluminium MetalMatrix Composites (AMMCs)”, Elsevier – materials today proceedings, (online published)
5.	A.Mohanakrishnan, P.Lakshmanan, K.Raju, J.Mahendran, R.Venkatesh, “Salt spray corrosion study on Aluminum Metal Matrix Composites (AMMCs) prepared by powder metallurgy route” Elsevier – materials today proceedings, (online published)
6.	A.Mohanakrishnan, M.Dineshkumar, S.Marimuthu, N.Mohan, R.Venkatesh, “ Evaluation of Mechanical Strength of the Stir cased Aluminum Metal Matrix Composites (AMMCs)



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	using Taguchi Method”, Elsevier – materials today proceedings, (online published)
7.	N.Santhosh, C.Dineshababu, M.Srinivasan, “TRIZ based efficiency enhancement of pointabsorber wave energy convertor”, Elsevier – materials today proceedings, (online published)
8.	Nithya A, “A Study on Customer Preferences and Effectiveness of Advertisement of Mattress”, Infokara Research, vol. 1o, issue no. 9, pp. 57-68
9.	G.Selvakumar, K.Santhakumar, S.Sanjaykumar, C.Selvakumar, S.Siranjeevi, “Experimental investigation of face milling surface study on AA100 by using VMC”, International Journal for Research in Applied Science and Engineering Technology, Vol. 10, pp.2853-2857

FACULTY PUBLICATIONS - International / National Conferences

SL. NO	DETAILS
1.	Dr.K.Periasamy, “Advances in Manufacturing Technology”, International conference on Advances in Manufacturing Technology at Chennai Institute of Technology on 25th & 26th March 2022.
2.	Dr.K.Periasamy, “Performance of diesel engine using distilled tire oil blends with CEO2 nanoparticles”, at 3rd International conference on “INNOVATIONS IN THERMAL, MANUFACTURING, STRUCTURAL AND ENVIRONMENTAL ENGINEERING (ICITMSEE’22)”, Kongunnadu College of Engineering and Technology on 22nd & 23rd April 2022.
3.	Dr.G.Saravanan, “Physical model of circulating dry scrubber”, at 7th INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY Trichy Engineering College on 20th & 21st April 2022.
4.	Dr.S.Gobinath, “Team Productivity & Strategies to improve performance”, at 3rd INTERNATIONAL CONFERENCE ON “Current scenario and challenges of management practices” Vijay Institute of Management on 21st November 2021.



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5.	Dr.A.Nithya, “Transforming our world sustainable development through seventeen goals”, at International conference on Redefining Business Models For Sustainable Development (ICRBMSD) Kristu Jayanti college, Bengaluru on 25th & 26th March 2022
6.	Dr.A.Nithya’ “Ethical Issues in Management”, at 3rd INTERNATIONAL CONFERENCE ON “Current scenario and challenges of management practices” (ICCSCMP’21) Vijay Institute of Management on 21st November 2021.
7.	Dr.A.Nithya, “Emphasis on total quality management”, ”, at 3rd INTERNATIONAL CONFERENCE ON “Current Scenario and Challenges of Management Practices” (ICCSCMP’21) Vijay Institute of Management on 21st November 2021.
8.	Mr.S.K.Karthikeyan,” Analysis of metal contamination and performance of automobile lube oil”, at Virtual International Conference on Modelling, Simulation and Control (ICMSC 2022) Karpagam College of Engineering on 18th & 19th March 2022.
9.	Mr.S.K.Karthikeyan,” Performance analysis of modified floating solar panel”, at virtual “International Conference on Technology Advancements in Mechanical Engineering (ICTAME 2022)” AMET University on 22nd & 23rd April 2022.
10.	Mr.R.Arivazhagan, “Performance of diesel engine using distilled tire oil blends with CEO ₂ nanoparticles” at 3rd International Conference on “INNOVATIONS IN THERMAL, MANUFACTURING, STRUCTURAL AND ENVIRONMENTAL ENGINEERING (ICITMSEE’22)”, Kongunnadu College of Engineering and Technology on 22nd & 23rd April 2022.
11.	Mr.R.Arivazhagan, “Performance of diesel engine using distilled tire oil blends with CEO ₂ nanoparticles” at virtual “International Conference on Technological Advancement in Mechanical Engineering(ICTAME 2022)” AMET University on 22nd & 23rd April 2022.
12.	Mr.C.Dineshbabu, “Virtual reality flight simulator” at 2nd INTERNATIONAL CONFERENCE ON MECHATRONICS IN ENERGY AND ENVIRONMENT PROTECTION (ICMEEP 2021) Bammari Amman Institute of Technology on 10th November 2022.
13.	Mr.C.Dineshbabu, “TRIZ based efficiency enhancement of point absorber wave energy converter” at 2nd INTERNATIONAL CONFERENCE ON ADVANCES IN MATERIALS RESEARCH – 2021 (ICAMR 2.0) Bammari Amman Institute of Technology on 3rd & 4th December 2021.
14.	Mr.C.Dineshbabu, “Prediction of weld strength and optimization of process parameters in



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	FSW of UHMWPE”, at 3rd International Conference on “INNOVATIONS IN THERMAL, MANUFACTURING, STRUCTURAL AND ENVIRONMENTAL ENGINEERING(ICITMSEE’22)”, Kongunnadu College of Engineering and Technology on 22nd & 23rd April 2022.
15.	Mr.S.Kumaravel, “Emerging trends in materials, computing and communication technology”, at 2nd International Conference on Emerging Trends in Materials, Computing and Communication Technologies ‘ICETMCCT 2021’ Annai Vailankanni College of Engineering on 10th December 2021.
16.	Mr.G.Selvakumar, “Evaluation of aluminium based composite materials reinforcement with TiC and Tio ₂ ”, at 4th INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING(ICAME 2022)”, SRM Institute of Science and Technology on 24th to 26th March 2022.
17.	Mr.N.Sivashankar,” Performance of electrochemical micromachining of magnesium alloy through sodium nitrate electrolyte”, at 8th International and 29th All India Manufacturing Technology, Design and Research Conference PSG College of Technology on 9th to 12th December 2021.
18.	Mr.S.Chandrakumar,” Design and development of AC duct using classrooms in CFD method”, at CSIR – FUNDED HYBRID CONFERENCE ON SUSTAINABLE MATERIALS & ADVANCES IN RENEWABLE TECHNOLOGIES St.Mother Theresa Engineering College on 29th & 30th April 2022.
19.	Mr.M.Dineshkumar,” Design and analysis of drill jig and fixture for mass manufacturing process”, at 3rd International Conference on “INNOVATIONS IN THERMAL, MANUFACTURING, STRUCTURAL AND ENVIRONMENTAL ENGINEERING (ICITMSEE’22)”, Kongunnadu College of Engineering and Technology on 22nd & 23rd April 2022.
20.	Mr.K.Gopalakrishnan, “The Weld strength evaluation and radiography test on AA2024 by using GTAW process”, at Virtual International Conference on Modelling, Simulation and control (ICMSC 2022) Karpagam College of Engineering on 18th & 19th March 2022.
21.	Mr.P.Raja, “Experimental investigation of flow visualization in see through cyclone separator”, at 7th INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY Trichy Engineering College on 20th & 21st March 2022.
22.	Mr.P.Raja, “Manufacturing process segregation of cost reduction linear Cartesian robot long traverse”, at virtual “International Conference on Technological Advancements in



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	Mechanical Engineering(ICTAME 2022)” AMET University on 22nd & 23rd April 2022.
23.	Mr.L.Devakumar,” Macro and tribological investigation of hybrid metal matrix connecting rod on SI engine”, at virtual International Conference on Modelling, Simulation and Control(ICMSC 2022)Karpagam College of Engineering on 18th & 19th March 2022.
24.	Mr.J.Mahendran, “Macro and tribological investigation of hybrid metal matrix connecting rod on SI engine”, at virtual International Conference on Modelling, Simulation and Control (ICMSC 2022)Karpagam College of Engineering on 18th & 19th March 2022.
25.	Mr.R.Prakash,” Friction stir welding with dissimilar aluminium alloy of combination with AA6451-AA7020”, at virtual “International Conference on Technological Advancements in Mechanical Engineering (ICTAME 2022) Trichy Engineering College on 20th & 21st March 2022.
26.	Mr.R.Prakash, “Fabrication of auto components by using turning method in CNC machine”, at 7th INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AMET University on 22nd & 23rd April 2022.
27.	Dr.D.Jagadeesh, “Cross over studys and flow visualization of 500MW power plant duct from air preheater to ID fan including electrostatic precipitator”, at National Conference on Advance in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
28.	Dr.G.Saravanan,” CFD analysis of geometrical modified thermosiphons”, at 9th National Conference On Recent Advancements in Geotechnical Engineering(NCRAG’22) Karpagam Academy of Higher Educationon 6th April 2022.
29.	Dr.V.Gopinath, “Evaluation of mechanical behavior of aluminium metal matrix composite (Al 6063 + Sic+Zn)”, at National Conference On Advance in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
30.	Mr.R.Arivazhagan,” An investigation on cut quality of aluminium matrix composites cut by abrasive water jet”, at National Conference On Mechatronics and Automation Systems(NCMAS 2022) Bannari Amman Institute of Technology on 21st April 2022.



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31.	Mrs.V.Selvam,” Influence of combined Egr and injection timing on diesel operation fueled with desulphurized tire oil”, at National Conference On Advance in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
32.	Mrs.V.Selvam,” Control and analysis of geometric dimension and tolerance in CNC turning and milling operations”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
33.	Mr.M.Ravikumar,” Comparison study of symmetric and Asymmetric reflection compound collector for hot water generation”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
34.	Mr.R.Karthik, “Design and optimization of bicycle crank arm”, at National Conference On Advances in Mechanical Sciences (AIMS 2022)Mahendra Institute of Technology on 18th March 2022.
35.	Mr.R.Karthik, “Evaluation of machining behaviors of metal matrix composite (Al+SiC+Mg)”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
36.	Mr.E.Sivaprakash,” Effect of PV panel cooling”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
37.	Mr.Ra.Aravind, “Influence of combined Egr and injection timing on diesel operation fueled with desulphurized tire oil”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
38.	Mr.S.Mohankumar,” Work related musculoskeletal disorders among poultry farming workers: An Ergonomics intervention – A Pre- Post design analysis”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.



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39.	Mr.S.Mohankumar, “Experimental investigation on electrical discharge drilling (EDD) for SS 312 material to improve metal removal rate, tool wear rate and geometrical error using diagonal shaped copper electrode”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
40.	Mr.N.Sivashankar,” Investigation of machining parameters of Magnesium AZ31 alloy micro ECM process through critic acid (C6H8O7)”, at National Conference On Advances in Mechanical Sciences (AIMS 2022)Mahendra Institute of Technology on 18th March 2022.
41.	Mr.V.Muthukumar,” Heat Treatment analysis of MS shaft ENB and EN19T steel to improve hardness”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
42.	Mr.A.Natarajan,” MPI Testing on Ferromagnetic Materials”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
43.	Mr.A.Natarajan,” Design and implementation of cone pipe piercing tool”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
44.	Mr.R.Periyasamy,” Experimental study on double pass solar air heater with absorber plate”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
45.	Mr.R.Periyasamy, “Vehicle tyre rolling friction and tensile test analysis”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
46.	Mr.S.Chandrakumar, “CFD Analysis of 500MW air preheater to ID fan inlet flue gas duct cross over studies”, at National Conference On Mechatronics and Automation Systems



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	(NCMAS 2022) Bannari Amman Institute of Technology on 21st April 2022.
47.	Mr.N.Kawin,” Experimental and effects of various end point angle of the SS304 drills performs in drilling”, at National Conference On Mechatronics and Automation Systems (NCMAS 2022) Bannari Amman Institute of Technology on 21st April 2022.
48.	Mr.N.Ravikumar, “Optimization of process parameters of mil steel (EN24) on lathe machines”, at National Conference On Advances in Mechanical Sciences (AIMS 2022) Mahendra Institute of Technology on 18th March 2022.
49.	Mr.M.Dineshkumar, “Study the influence of SiO ₂ nanoparticles on diesel and the blend on diesel engine”, at 9th National Conference On Recent Advancements in Geotechnical Engineering (NCRAG’22) Karpagam Academy of higher education on 6th April 2022.
50.	Mr.K.Gopalakrishnan,” Experimental investigation and optimum overcut in WEDM process on AL6061+WC metal matrix composites”, at National Conference On Mechatronics and Automation Systems (NCMAS 2022) Bannari Amman Institute of Technology on 21st April 2022.
51.	Mr.C.Dineshbabu,” Investigation on surface finish EN8 material with respect to machining parameters in soft and hardened conditions”, at National Conference On Mechatronics and Automation Systems (NCMAS 2022) Bannari Amman Institute of Technology on 21st April 2022.
52.	Mr.C.Dineshbabu,” Prediction of weld strength and optimization of process parameters in FSW of UHMWPE”, at National Conference On Mechatronics and Automation Systems (NCMAS 2022) Bannari Amman Institute of Technology on 21st April 2022.