



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

**DEPARTMENT OF MECHANICAL ENGINEERING**

**ACADEMIC YEAR 2019-2020**

**FACULTY PUBLICATIONS - International / National Journals**

SL. NO	DETAILS
1.	Ganapathy Saravanan, Ramasamy Venkatachalam and Gurusamy Nallakumarasamy,” Effect of Cut- outs on the vibrational characteristics of a hollow shaft system”, Materials Testing, Vol.61., No. 7, Pages 652-658.
2.	Sathish Thanikodi, DineshKumar Singaravelu, Chandramohan Devarajan, Vijayan Venkataraman, Venkatesh Rathinavelu,” Tlonn for the Effective Prediction of Heat Transfer Rates in Tube Heat Exchanger”, Thermal Science, Vol.9., No. 12, Pages 922-927
3.	Gobinath Velu Kaliyannan,Senthil Velmurugan Palanisamy,Manivasakan Palanisamy, Mohankumar Subramanian,Prabhakaran Paramasivam Rajasekar Rathanasamy,” Development of sol-gel derived gahnite anti-reflection coating for augmenting the power conversion efficiency of polycrystalline silicon solar cells”, Materials Science-Poland, Vol.37, No. 3, pp. 465-472
4.	Isaac Prem Kumar, Prabhu, A, Vijayan, V, Godwin Antony, A, Venkatesh.R,” Combustion analysis of biodiesel blends with different piston geometries”, Journal of Thermal Analysis and Calorimetry
5.	Vijayan V, Vivekanandan M, Venkatesh R, Rajaguru K, Godwin Antony A,” CFD modelling and analysis of a Two – phase Vapour separatot, Journal of thermal Analysis and Calorimetry.
6.	Nithya A, “A Study of Consumer’s Perception and Special Emphasis of Emerging Market on Bajaj Two Wheelers, Marketing and Management Research, vol.11, no. 3 pp 42- 65.
7.	Gopinath.V, Selvakumar.G and Periyasamy. R,” Performance and Emission Characteristics of Preheating Corn Oil Methyl Ester in CI Engine”, Mechanika, Vol.25.,



# KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

	No. 5 Pages 413-418.
8.	Selvakumar.G, Mahendran.J, Thirunavukkarasu.R, Periyasamy. R, Gopinath.V,” Emission Characteristics of Preheating Corn oil Biodiesel Blend in CI Engine”, International Journal of Recent Technology and Engineering, vol.8, no. 4, pp.8251-8254.
9.	Chandrakumar S, Periasamy K, Sivashankar N, Vairamani.V,” Effect of Thurst Force and Torque Analysis on Chemically Treated Kevlar Reinforced Composites during Drilling Process”, International Journal of Engineering and Advanced Technology, vol.9 issue no. 3, Feb 2020,pp-3101-3106
10.	Periasamy K, Sivashankar N, Chandrakumar N, Viswanathan R,” Sivashankar, N, Chandrakumar, N, 2020, “Measurement of Friction and Wear in Aluminum Alloy Al7075/SiC and Gr Processed by Friction Stir Method”, International Journal of Innovative Technology and Exploring Engineering, Vol.9, no. 3 pp278-281.
11.	A.Natarajan , Dr.R.Venkatesh ,Dr.S.Gobinath,L.Devakumar and K.Gopalakrishnan, “Cfd Simulation of Heat Transfer Enhancement in Circular Tube With Twisted Tape Insert by Using Nanofluids” Elsevier – materials today proceedings, 2214-7853/2019 Elsevier Ltd.
12.	V.Vairamani, N.Mohan,, Dr.Venkatesh, M.Sakthivel and S.K.Karthikeyan, “Optimization And Microstructure Analysis of Corten Steel Joint in MAG Welding by Post Heat Treatment”, Elsevier – materials today proceedings. 2214-7853/2019 Elsevier Ltd.
13.	Kawin.N, Dr.D.Jagadesh,G.Saravanan and K.Periasamy, “Optimization of SugarCane BAGGASSE Ash with Al2Si10Mg alloy Comoposite”, Elsevier – materials today proceedings. 2214-7853/2019 Elsevier Ltd.
14.	Mohankumar. S ,Aravind. Ra,SelvaKumar. G,Raja. P and Selvam. V, “Experimental Investigation on the Tribological -Mechanical Properties of B4c And Fly Ash Reinforced Al 359 Composites’. 2214-7853/2019 Elsevier Ltd.
15.	C.Dineshbabu, R.Arivazhagan Dr.R.Venkatesh K.Balasubramani and R.Periyasamy,” Investigation of Aspect Ratio and Friction on Barrelling in Billets of Aluminium Upset Forging”, Elsevier – Materials Today Proceedings”, 2214-7853/2019 Elsevier Ltd.



# KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

16.	Sivashankar N, Viswanathan R, Periasamy K, Venkatesh R, Chandrakumar N, “Multi objective optimization of performance characteristics in drilling of Mg AZ61 using twist end mill drill tool, Materials today Proceedings Elsevier, ISSN 2214-7853
-----	---

## FACULTY PUBLICATIONS - International / National Conferences

SL. NO	DETAILS
1.	Gopalkrishnan, “Efficiency Analysis of Turbine and Failure analysis of High Pressure Feed water”, 2nd International Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13th march 2020.
2.	M.Praveen, “Improving Recovery boiler Efficiency using Automatic Air Port Rodding”, 6th International Conference on Engineering and Technology at Selvam College of Technology, Namakkal on 04 & 05th March 2020
3.	Raja, “An Experimental Stress Analysis on 60° Metre Bend” , 2nd International Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13th March 2020.
4.	Balasubramani, “ Active Brake Torque Vectoring in Differential Unit” 6th International Conference on Engineering and Technoogy (ICET-2020) at Selvam College of Technology, Nammakkal on 04th & 05th March 2020.
5.	M.Dinesh Kumar, “Design and CFD Analysis of intake Manifold of four Cylinder Engine” 6th International Conference on Engineering and Technoogy (ICET-2020) at Selvam College of Technology, Nammakkal on 04th & 05th March 2020
6.	C.DineshBabu, “Reduction of Heat in Railway Axle Bearing” 6th International Conference on Engineering and Technology (ICET-2020) at Selvam College of Technology, Nammakkal on 04th & 05th March 2020



# KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

7.	S.Mohan Kumar “Experimental Investigation and Macro Property Analysis on AL6282 Metal Matrix Reinforced with TIO <sub>2</sub> 6th International Conference on Engineering and Technology at Selvam College of Technology on 04th & 05th March 2020
8.	G.Selvakumar “Modest Try to Add First Grade Fuel extraction from waste tire Scraps to Diesel Engine”, 6th International Conference on Engineering and Technology at Selvam College of Technology on 04th & 05th March 2020
9.	G.Selvakumar “Measurement of MRR and Circularity Error in Magnesium Alloy AZ61D during drilling” 6th International Conference on engineering and Technology at Selvam College of Technology on 04th & 05th March 2020
10.	A.Nithya “business Management and its Market Strategies” International Conference on “Catalysis in forming Business Management-ICCFBM’20” at Vijay Institute of Management on 7 Feb 2020.
11.	A.Nithya , “Managing Business Technology and its Innovations” International Conference on “Catalysis in forming Business Management-ICCFBM’20” at Vijay Institute of Management on 7 Feb 2020
12.	A.Natarajan, “Development of Quality in Casing by minimizing Defects ” , 2nd National Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13 <sup>th</sup> March 2020
13.	R.Thirunavukkarasu “Effect of Nano Solid Additives to Diesel Engine to Improve the Engine Performance ”, 2nd National Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology held on 13 <sup>th</sup> March 2020
14.	P.Raja, “ Problems in End hole Drilling of different length of Conveyor Roller Idler Shaft ”, 2nd national Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13 <sup>th</sup> March 2020



# KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

15.	S.K.Karthikeyan, “ Experimental Analysis and Optimization of parameter in WEDM on SS304”, 2nd National Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13 <sup>th</sup> March 2020
16.	Arivazhagan, “Performance and characteristics comparison of diesel & Bio fuels”, 2nd National Conference on Recent trends in Engineering & Technology on VetriVinayaha College of Engineering & Technology held on 13 <sup>th</sup> March 2020.
17.	N.Mohan, “NDT Evaluation and comparative analysis of steel with/without post wed heat treatment”, 2nd National Conference on Recent trends in Engineering & Technology on VetriVinayaha College of Engineering & Technology on 13 March 2020
18.	S.Chandrakumar, “Friction Stir Welding on AL-6082 by using taper cylindrical tool profile”, 2nd National Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology held on 13 <sup>th</sup> March2020
19.	R.Venkatesh, “ Friction Stir Welding on AL-6082 by using taper cylindrical tool profile”, 2nd National Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13 <sup>th</sup> March 2020
20.	N.Ravikumar, “An Experimental Array of Pressure Drop for fluid flow mitre bend in various pipes”, 2nd National Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology held on 13 <sup>th</sup> March 2020
21.	V.Selvam, “Design and Analysis of Rotor in motor”, 2nd National Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13 <sup>th</sup> March 2020
22.	R.Periyasamy, “ Design and Analysis of Foot Valve in Pump”, 2nd National Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13 <sup>th</sup> March 2020



# KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

23.	S.Gobinath, "Optimization of catalytic Convertor for Diesel Engine applications with/ without thermal coatings", in 2nd National Conference on Recent trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13 <sup>th</sup> March 2020
24.	C.Dineshababu "Poultry egg collection 'C' Type Conveyor System using Geneva Mechanism", National Conference organized St Joseph's College of Engineering and Technology, Thanjavur on 13th March 2020
25.	A.Natarajan, "A Novel Approach for Increasing Efficiency of Solar and Heating by improving flow distribution using guide vanes and Flow Restriction", National Level Conference on "Advance in Mechanical Science-AIMS 2020" at Mahendra Institute of Technology, Nammakkal on 14th February 2020
26.	R.Karthik, "Helical Coil Heat Exchanger with Flower Shaped Baffle Plates to improve residence time inside shell" in National Level Conference on "Advance in Mechanical Science-AIMS 2020" at Mahendra Institute of Technology, Nammakkal on 14th February 2020
27.	S.Mohan Kumar "Improvisation of Scale free Reheating in steel Billets" 3rd National conference on current & Emerging Process technology (CONCEPT 2020) at Kongu Engineering College, Erode on 25th Jan 2020
28.	K.Periyasamy, "Helical Coil Heat Exchanger with Flower Shaped Baffle Plates to improve residence time inside shell" ,National Level Conference on "Advance in Mechanical Science-AIMS 2020" at Mahendra Institute of Technology, Nammakkal on 14th February 2020
29.	A.Nithya "The Impact Total Quality Management on Organisation performance" National Level Conference on "Advance in Mechanical Science-AIMS 2020" at Mahendra Institute of Technology, Nammakkal on 14th February 2020
30.	V.Selvam "The Impact Total Quality Management on Organisation performance" National



# KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

	Level Conference on “Advance in Mechanical Science-AIMS 2020” at Mahendra Institute of Technology, Namakkal on 14th February 2020
31.	E.Sivaprakash “Belt & Screw Sorting Machine” , 9th National Level Conference on Renewable Energy system Project Expo “ELECTRONIKA-2K20” at Aishwarya College of Engineering and Technology, Erode on 13th March 2020
32.	Ra.Aravind “Performance assessment of 2× 90TPH (AFBC) Boiler and study of HP Heater”9th National Level Conference on Renewable Energy system Project Expo “ELECTRONIKA-2K20” at Aishwarya College of Engineering and Technology, Erode on 13th March 2020
33.	N.Sivashankar, “Development of Quality Cost system in Cast Iron Foundries”, 2nd National Conference on Recent Trends in Engineering & Technology at VetriVinayaha College of Engineering & Technology on 13th March 2020
34.	V.Muthukumar, “ Method of Improving Boiler Efficiency”, 2nd National Conference on Recent Development in Automobile and Mechanical Engineering (RDAME’20) at Easwari Engineering College, Chennai on 11th March 2020
35.	A.Arivazhagan, “Experimental Investigation and Optimization Machining parameter for EDM using Copper Electrode on D2 Steel”, 9th National Level Conference on Renewable Energy system Project Expo “ELECTRONIKA-2K20” at Aishwarya College of Engineering and Technology, Erode on 13th March 2020
36.	R.Prakash, “Comparative Mechanical Properties of AL- Metal Matrix Connecting ROD with Various reinforcement”, 9th National Level Conference on Renewable Energy system Project Expo “ELECTRONIKA-2K20” at Aishwarya College of Engineering and Technology, Erode on 13th March 2020