

# K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215 (Autonomous)

## DEPARTMENT OF MECHANICAL ENGINEERING

Sl. No	Title of the Paper	Name of the Author/s	Name of Journal & Impact factor	Vol. No, Issue No. & pp	Year and Month of Publication	Category Q1/Q2/Q3 /Q4	UGC Care list/Scopus/ Web of Science/Other , mention
<b>(2023-2024)</b>							
1.	Investigation on the Enhancement of Heat transfer In Counterflow Double-Pipe Heat Exchanger Using Nanofluids	A.V. Balan, R. Surendran P. Gobinath S. Mayakannan	Thermal sciences & Impact factor – 1.165	Vol.28, Issue 1A & p.no-239-240	Dec 2023	SCI(Q3)	Scopus
2.	Enhancing Solar Still Distillation Efficiency through Integrated Solar Chimneys and Submerged Condenser Systems	Balan varadhan Chellathurai Amiirthabai Subasini, Gopinath Palani Mayakannan selvarajud	Thermal sciences Impact factor – 1.165	Vol.28, Issue 4 p.no-3155-3163	May 24	SCI(Q3)	Scopus
3.	An Experimental Study on Drilling Behavior of Silane-Treated Cotton/Bamboo Woven Hybrid Fiber Reinforced Epoxy Polymer Composites	Karthik Aruchamy Bhuvaneshwaran Mylsamy, Sathish Kumar palaniappan Sampath Pavayee Subramani Thirumurugan Velayutham, Sanjay Mavinkere Rangappa Suchart Siengchin	Polymers Impact factor – 4.97	Vol.15, issue 14 p.no-3075-3084	Jul-23	SCI(Q1)	Scopus
4.	Safety Management on Nuclear Power Plant	Chellathurai Amiirthabai Subhashini	International Journal of Creative Research Thoughts (IJCRT) Impact factor – 7.97	Volume11, issue 5, p.no-255-260	May-23	-	Google Scholar

5.	Assessment and Control of Ergonomic Risk Factor for Manual handling	R. Prithiviraj S. Durai	International Journal Of Creative Research Thoughts (IJCRT) Impact factor – 7.97	Volume11, issue 5, p.no 658-667	May-23	-	Google Scholar
6.	Namic Toll Collection System	S. Hemalatha S.Uma N. Priya P.Jagadeesh	International Journal of Creative Research Thoughts (IJCRT) Impact factor – 7.97	Volume12, issue 2 p.no-566-575	Feb-24	-	Google Scholar
7.	Safety Analysis and Performance Assessment of Banana Fiber Reinforced Polymer Composites	C.M.Dinesh S.Karthic	Journal of Emerging technologies and and Innovative Research Impact factor – 7.95	Volume11, issue 6 p.no-38-43	Jun-24	-	Google Scholar
8.	Enhanced photovoltaic performance of dye sensitized solar cell based	A. V. Balan a P. Gopinath V. Radhika	Journal of Ovonic Research Impact factor – 1.165	Volume20, issue 1 p.no-85-92	Feb-24	<b>SCI(Q3)</b>	Scopus
9.	Deep Learning-Based Damage Detection of Mining	Mr.S.Duari Mr.K.Rajkumar	Journal of Emerging technologies and and Innovative Research Impact factor – 7.95	Volume11, issue 5 p.no-568-573	May-24	-	Google Scholar
10.	Enhancing Safety in Tower Crane Installation and Dismantling: Key Factors to Consider in Construction Sites	C. Senthilkumar. S.P.Gowtham	Journal of Emerging technologies and and Innovative Research Impact factor – 7.97	Volume11, issue 6 p.no- 69-82	June 2024	-	Google Scholar

11.	A Study on Protecting the Workers from Exposure to dust In Cement Manufacturing factory at the India Cements Limited	N.Bagavathi Perumal S.P. Sankar Dr.A.V. Balan Dr. T. Suresh Kumar	Journal of Emerging technologies and and Innovative Research Impact factor – 7.97	Volume11, issue 4 p.no-374-387	Apr 2024	-	Google Scholar
12.	Safety Analysis and Performance Assessment of Banana Fiber Reinforced Polymer Composites	C.M. Dinesh Karthic	Journal of Emerging technologies and and Innovative Research Impact factor – 7.97	Volume11, issue 6 p.no-39-43	June 2024	-	Google Scholar
13.	Study and Control of Matrix Converter Based Pmsg Systems in Wind Power Generation	Dr.P.Dhiravidamani Gowshika Boopathy Pradeep Ammasaikutti P.Rajendran	Journal of Xidian University Impact factor – 5.4	Volume18, issue 4 p.no-1015-1023	Feb-24	-	Scopus and UGC Care
14.	Advancing Fire Safety, Electromagnetic Shielding, and Mechanical Strength of Polylactic Acid with Innovative Bio-Based Nanosheets	K. Venkateshwaran R.Elanchezhian1	Journal of Emerging technologies and and Innovative Research Impact factor – 7.97	Volume11, issue 5 p.no- 502-515-	May-24	-	Google Scholar
15.	Investigation and Development of a Smart Tread Mill Bike	Dr.P.Dhiravidamani C.Kowshick L.S.Sivasakthi K.Panju arunachalam M.Mothilkumar	International Journal of Creative Research Thoughts (IJCRT) Impact factor – 7.97	Volume12, issue 4 p.no-453-471	Apr 2024	-	Google Scholar
16.	Characterization Studies on New Natural Cellulosic Fiber Extracted from the Stem of Cucurbita Pepo Plant	M. Ajay prasanth K. Deepan kumar T. Dhanush raja E.J. Nandha kumar J. Venkatesh	Dogo Rangsang Research Journal Impact factor – 7.97	Volume13, issue 4 p.no-375-390	Apr 2023	-	Google Scholar

