

SK.S.R. COLLEGE OF ENGINEERING , TIRUCHENGODE – 637 215

(Autonomous)

Department of Automobile engineering

List of publications by the faculty

Academic Year	2022-2023	2021-2022	2020-2021	2019-2020	2018-2019	2017-2018	Total
SCI indexed journals	1	2	1	2	2	2	10
Scopus Indexed journals	-	6	1	2	3	5	17
Q1	-	-	1	1	-	1	3
Q2	1	1	-	2	1	-	5
Q3	-	1	-	-	-	2	3
Q4	-	4	-	-	2	1	7

K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215 (Autonomous)											
Department: AUTOMOBILE ENGG.											
S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Journal Type	Year of publication	ISSN number	Link to the recognition in UGC Care enlistment of the Journal			Impact Factor
								Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other, mention	
	Design and experimental validation of a high performance polycentric prosthetic knee joint for transfemoral amputees in developing countries	P. Marisami ,R. Venkatachalam	Automobile Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Q2	2023	1806-3691 1678-5878	https://www.springer.com/journal/40430	https://link.springer.com/article/10.1007/s40430-023-04072-6	SCI	2.2
1	Towards improved performance and lower exhaust emissions using exhaust gas recirculation coupled compression ignition engine fuelled with nanofuel blends	Senthil Kumar Maruthamuthu Shanmugam, Sivakumar Muthusamy, Ramesh Kumar Ramasamy, and Avinash Alagumalai	Automobile Engineering	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Q3	2022	1556-7036 1556-7230	https://www.tandfonline.com/journals/ueso20?cookieSet=1	https://doi.org/10.1080/15567036.2022.2038734	UGC Care/Scopus	2.902
2	Analysis of SiC Grinding Wheel Wear And Surface Roughness In Machining Of Al2o3 Advanced Ceramic Using Regression Model	R. Rajasekar P. Kanakarajan C. Moganapriya S. Sundaram Syed Thasthagir Mohamed Hussain Soundararajan Selvaraj K. Manu Barath	Automobile Engineering	Surface Review and Letters	Q4	2022	0218-625X	https://www.worldscientific.com/worldscinet/srl	http://dx.doi.org/10.1142/S0218625x22500809	UGC Care/Scopus /Web of Science	1.24
3	Experimental Study of Process Parameters on Machining Performance In Electro-Discharge machining of 6061Al/TiC/Gr Composites	Dr.S. Jeyaprakasam M. Kathirselvam Dr.C.Velmurugan Dr.R.Venkatachalam	Automobile Engineering	Surface Review and Letters	Q4	2022	0218-625X	https://www.worldscientific.com/worldscinet/srl	https://doi.org/10.1142/S0218625x22500494	UGC Care/Scopus /Web of Science	1.24
4	Towards optimal toe-clearance in synthesizing polycentric prosthetic knee mechanism	P. Marisami R. Venkatachalam	Automobile Engineering	Computer Methods in Biomechanics and Biomedical Engineering	Q4	2021	1025-5842	https://www.tandfonline.com/toc/gcmb20/current?cookieSet=1	https://pubmed.ncbi.nlm.nih.gov/34544295/	UGC Care/Scopus /Web of Science	1.66
5	Vibration Analysis of a multi core sandwich composite beam with cutouts—A critical investigation	P Senthilkumar R Venkatachalam K Venkatesh Raja	Automobile Engineering	Materials Research Express	Q4	2021	2053-1591	https://iopscience.iop.org/article/10.1088/2053-1591/ac0deb	https://iopscience.iop.org/article/10.1088/2053-1591/ac0deb/meta	UGC Care/Scopus /Web of Science	2.025
6	Experimental and numerical study of an overlay composite absorber plate material for a solar air heater	Duraisamy Jagadeesh, Ramasamy Venkatachalam, Gurusamy Nallakumarasamy	Automobile Engineering	Materials Testing	Q2	2021	0025-5300	https://www.degruyter.com/journal/key/mt/html	https://www.degruyter.com/document/doi/10.1515/mt-2020-0109/html?lang=en	UGC Care/Scopus /Web of Science	2.52
7	Effect of Eco-Friendly Chemical Treatment on the Properties of Sesbania Rostrata Fiber	Raja Krishnan Senthilkumar Palanisamy G Nallakumarasamy T Natarajan	Automobile Engineering	Journal of Natural Fibers	Q1	2021	1544-046X	https://www.tandfonline.com/journals/wjnf20	https://www.tandfonline.com/doi/abs/10.1080/15440478.2020.1725712?journalCode=wjnf20#:~:text=The%20treated%20fiber%20shows%20high,increase%20for%20the%20treated%20fiber.	UGC Care/Scopus	3.5
8	Investigation on Effects of the Exhaust Emission Characteristics of Diesel Engine Fuelled with Mahua Oil Methyl Esters and its Blends with Diesel	Dr.M. Sivakumar Dr.N.ShanmugaSundaram Dr.R.RameshKumar	Automobile Engineering	International Journal of Automotive Engineering and Technologies	N/A	2020	2146-9067	https://dergipark.org.tr/en/pub/ijaet	https://dergipark.org.tr/en/pub/ijaet/issue/52522/592218	Other	0.87
9	Experimental Investigations on the Influence of TiC/graphite Reinforcement in Wear Behavior of Al 6061Hybrid Composites	Dr. R. Venkatachalam, Mr. S. Jeyaprakasam, Dr. C. Velmurugan	Automobile Engineering	Surface Review and Letters	Q4	2019	0218-625X	https://www.worldscientific.com/worldscinet/srl	https://www.worldscientific.com/doi/10.1142/S0218625X18501731	UGC Care/Scopus /Web of Science	1.24
10	Mechanical and Thermal Behavior of Hybrid Glass/Jute Fiber Reinforced Composites with Epoxy/Polyester Resin	Dr. R. Venkatachalam, P. ManuneethiArasu, Dr. A. Karthikayan	Automobile Engineering	Polimery	Q4	2019	0032-2725	https://ichp.vot.pl/index.php/p	https://doi.org/10.14314/polimery.2019.7.6	UGC Care/Web of Science	1.52

11	Investigations On Scavenging Performance of a Novel Two Stroke Spark Ignited Free Piston Engine	S. Neelamegan, M. Nataraj, Y. R. Mathew, R. Anandanarayanan	Automobile Engineering	Journal of the Balkan Tribological Association	N/A	2019	1310-4772	https://www.scimagoir.com/journalsearch.php?q=12600154711&tip=sid&clean=0	https://www.scopus.com/sourceid/12600154711	UGC Care/Scopus /Web of Science	1.1
12	Experimental Investigation on the Effect of Ceramic Coating on the Wear Resistance of Al6061 Substrate	C. Suresh, R. Venkatachalam, S. Venkatajalapathy, K. GobinathVelu, P. Sathish Kumar	Automobile Engineering	Journal of Materials Research and Technology	Q1	2019	2238-7854	https://www.sciencedirect.com/journal/journal-of-materials-research-and-technology	https://doi.org/10.1016/j.jmrt.2019.10.007	UGC Care/Scopus /Web of Science	6.26
13	Experimental Investigations on the Influence of Tic/Graphite Reinforcement in Wear Behavior of Al 6061 Hybrid Composites	S. Jeyaprakasam, R. Venkatachalam , C. Velmurugan	Automobile Engineering	Surface Review and Letters	Q4	2019	0218-625X	https://www.worldscientific.com/worldscinet/srl	https://doi.org/10.1142/S0218625X18501731	UGC Care/Scopus /Web of Science	1.24
14	Effects of Cut-Outs on the Vibrational Characteristics of a Hollow Shaft System	Saravanan Ganapathi, Venkatachalam Ramasamy, Nallakumarasamy Gurusamy	Automobile Engineering	Materials Testing	Q2	2019	0025-5300	https://www.degruyter.com/journal/key/mt/html?lang=en	https://www.hanser-elibrary.com/doi/abs/10.3139/120.111368	UGC Care/Scopus /Web of Science	2.52
15	Transient Computational Fluid Dynamics Investigations on Thermal Performance of Solar Air Heater with Hollow Vertical Fins	Duraisamy Jagadeesh, Ramasamy Venkatachalam, Gurusamy Nallakumarasamy	Automobile Engineering	Thermal Science	Q3	2018	0354-9836	https://thermalscience.vinca.rs/	http://thermalscience.vinca.rs/pdfs/papers-2018/TSC1170531297D.pdf	UGC Care	1.97
16	Assessment of soft materials for anthropomorphic soft robotic fingertips	S.Yuvaraj, R.Malayalamurthi, K. Venkatesh Raja	Automobile Engineering	Materialpruefung/Materials Testing	Q2	2018	0025-5300	https://www.scimagoir.com/journalsearch.php?q=21225&tip=sid&clean=0	https://doi.org/10.3139/120.111229	UGC Care	2.52
17	Effects of nanoparticles blended biodiesel on single cylinder CI engine	M.Sivakumar, Dr.N.Shanmuga Sundaram, Dr.R.Rameshkumar M.SyedThasthagir	Automobile Engineering	Materials Today: Proceedings	N/A	2018	2214-7853.	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785317326111	Scopus /Web of Science	1.46
18	Effect of aluminium oxide nanoparticles blended pongamia methyl ester on performance, combustion and emission characteristics of diesel engine	M.Sivakumar, Dr.N.ShanmugaSundaram, Dr.R.Rameshkumar, M.SyedThasthagir	Automobile Engineering	Renewable Energy	Q1	2018	0960-1481	https://www.sciencedirect.com/journal/renewable-energy	https://www.sciencedirect.com/science/article/pii/S0960148117309643#:~:text=In%20general%2C%20it%20has%20been,emissions%20of%20the%20diesel%20engine.	UGC Care/Scopus /Web of Science	8.634
19	Prediction of surface roughness and wheel wear of modern ceramic material(Al2O3)during grinding using multiple regression analysis model	P.Kanakarajan, P. Sundaram, A.Kumaravel, R Rajasekar , R.Venkatachalam	Automobile Engineering	Indian journal of Engineering and Material Sciences	Q4	2017	0971-4588	http://op.niscair.res.in/index.php/IJEMS	http://nopr.niscair.res.in/bitstream/123456789/42936/3/IJEMS%2024(3)%20182-186.pdf	UGC Care/Scopus /Web of Science	0.61
20	Computational Investigation on the Effect of Compression Ratios on Performance Characteristics of Two Stroke Free Piston Spark Ignition Engine	S.Neelamegan, M.Nataraj, Mathew.Y.Ras, Rajasekaran R	Automobile Engineering	Asian Journal of Research in Social Sciences and Humanities	N/A	2017	2249-7315	https://indianjournals.com/ijor.aspx?target=ijor:airssh&type=home#:~:text=The%20Asian%20Journal%20of%20Research,Research%20papers%20and%20case%20studies.	http://www.indianjournals.com/ijor.aspx?target=ijor:airssh&volume=7&issue=3&article=049	UGC Care	0.67
21	Effects of pongamia methyl esters and its blends on a diesel engine performance, combustion, and emission characteristics	M.Sivakumar, N.Shanmugasundaram, R.Rameshkumar, M.Syed Thasthagir	Automobile Engineering	Environmental Progress & Sustainable Energy	Q3	2017	1944-7450	https://aiche.onlinelibrary.wiley.com/journal/19447450	https://aiche.onlinelibrary.wiley.com/doi/10.1002/ep.12492	UGC Care/Scopus /Web of Science	2.82
22	Optimizing Exhaust Port in 2-stroke Free Piston Engine for Improving Scavenging Efficiency using CFD	S.Neelamegan, M.Nataraj, R.Anandanarayanan	Automobile Engineering	Asian Journal of Research in Social Sciences and Humanities	N/A	2017	2249-7315	https://aijsh.com/asian-journal-of-research-in-social-sciences-and-humanities/	https://indianjournals.com/ijor.aspx?target=ijor:airssh&volume=7&issue=2&article=025	UGC Care	0.67