



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

**Department: Safety and Fire Engineering**

**Journal Publications**

Academic year	Q1	Q2	Q3	Q4	Scopus/ WOS	Others	Total
2024-25	-	-	3	1	4	-	04
2023-24	-	1	1	-	2	3	05
2022-23	-	-	1	1	2	-	02
2021-22	-	-	-	-	-	-	-
2020-21	-	1	1	3	5	-	05
2019-20	-	2	-	2	4	-	04
2018-19	-	3	1	-	4	-	04
2017-18	-	4	3	1	8	2	10
2016-17	-	-	1	-	1	-	01
2015-16	-	4	-	2	6	1	07
2014-15	-	-	-	3	3	-	03
2013-14	-	-	-	-	-	-	-
2012-13	-	-	-	1	1	-	01
<b>Total</b>	-	<b>15</b>	<b>11</b>	<b>14</b>	<b>40</b>	<b>6</b>	<b>46</b>

### Journal Publications Details

Sl. No	Title of the Paper	Name of the Author/s	Name of the Journal	Vol No, Issue No & PP	Year and Month of Publication	Category Q1/Q2/Q3/Q4	UGC Care list/Scopus/ Web of Science/other
2024-25							
1.	Enhancing flour quality and milling efficiency: experimental study on bullet plate type flour grinding machine	Palanivel Elayappan Saroja, <b>Prabu Muthugounder</b> , Sathish Shanmugam, Ratchagaraja Dhairiyasamy	Revista Matéria	Volume 29 Issue 3 Pages 331-352	August 2024	Q4	SCI / Scopus
2.	Validation of Toyota stops 6 plus 2 safety practice enablers in manufacturing industry through ISM approach	R Krishnamoorthi, <b>M Prabu</b> , S Magibalan, T Sureshkumar, AV Balan	AIP Conference Proceedings in International Conference on Advance Materials, Comuting, Communication Technologies (ICMCCT)	2965 (1), 1062 – 1066	July 2024	Q3	Scopus
3.	Personal protective equipment perception survey	PM Kumar, <b>M Prabu</b> , S Magibalan, S Natarajan, <b>R Ashokkumar</b>	AIP Conference Proceedings in International Conference on Advance Materials, Comuting, Communication Technologies (ICMCCT)	2965 (1), 1067 – 1074	July 2024	Q3	Scopus
4.	Eyewash & shower for pre treatment of chemical spillage at ETP and STP	T Sureshkumar, S Sakkaravarthi, S Magibalan, <b>M Prabu</b> ,	AIP Conference Proceedings in International	2965 (1) 1075 –	July 2024	Q3	Scopus

		AV Balan	Conference on Advance Materials, Comuting, Communication Technologies (ICMCCT)	1083			
<b>2023-24</b>							
1.	Effect of graphene/silicon dioxide fillers addition on mechanical and thermal stability of epoxy glass fibre composite	K Murugesan, P Suresh, <b>M Prabu</b> , V Kavimani	Polymer Bulletin	Volume 81, pages 9961–9976,	Feburary 2024	Q2	<b>SCI/WoS/ Scopus</b>
2.	Investigation and parametric optimization with 97Mg+1.5Ag+1.5 LiAlO2 metal matrix composite in wire EDM performance using DFA technique	P. Suresh and <b>M Prabu</b> T. Suresha,	Journal of Ceramic Processing Research	Vol. 25, No. 2, pp. 192-201	March 2024	Q3	<b>SCI/WoS/ Scopus</b>
3.	Behaviour Monitoring Sensor and Alarm System for Vehicle Driver	<b>P Vignesh</b> , P Bharath Kalyan P Pradeep R K Sarvesh Kumar	International Research Journal of Modernization in Engineering Technolgy and Science (IRJMETS)	Vol. 06, Issue 04, PP.9259-9266	April & 2024	-	<b>UGC Care</b>
4.	Electric Vehicle (EV) Trolley for Safe Material Handling	<b>P Vignesh</b> , B Muthupandi, K Bharath Kavinish, R Rohit Rajan	International Research Journal of Modernization in Engineering Technolgy and Science (IRJMETS)	Vol. 06, Issue 04, PP.9274-9278	April & 2024	-	<b>UGC Care</b>
5.	Hazard Identification and Risk Assessment in the Commercial Vehicle Manufacturing Industry	M K Nawines Pravin P Senthilkumar R Ranjith K Perumal <b>P Vignesh</b>	Journal of Emerging Technologies and Innovative Research (JETIR)	Vol. 11, Issue 04, PP. j310-j317	April & 2024	-	<b>UGC Care</b>

2022-23							
1.	Effect of NI and SI addition on electrical, tribological and corrosion behavior of novel Cu-Zn alloy	<b>M Prabu</b> R.Saravanan, P. Suresh	Journal of Ceramic Processing Research Impact factor- 0.636	Vol 23 Issue No 4 pp.490~497	August 2022	Q3	<b>Scopus</b>
2.	Influences of Ag+LiAlO <sub>2</sub> on mechanical and high temperature wear behavior of magnesium hybrid composites	<b>M Prabu</b> T. Suresha, P. Sureshb	Digest Journal of Nanomaterials and Biostructures Impact factor– 0.899	Vol. 17 Issue No 3 pp. 731 - 740	September 2022	Q4	<b>Scopus</b>
3.	Multi Objective Optimization of Stir Casting Process Parameters using Technique for Order of Preference by Similarity to Ideal Solution (TOPSIS)	<b>Vignesh P,</b> Senthilkumar P, Seenivasan M	CHIANG MAI JOURNAL OF SCIENCE Impact factor– 0.507	Vol.49, Issue No6, 1663-1668	November 2022	Q4	<b>Scopus</b>
2021-22							
	-	-	-	-	-	-	-
2020-21							
1.	Optimization and Effect of load,sliding velocity ,and time on wear behaviour of AA8011-8 wt.% fly-ash composites	S.Magibalan C.Senthilkumar <b>M.Prabu</b> S.Yuvaraj AV Balan	Surface Topograpy : Metrology and Properties Impact factor– 2.185	Vol.8, Issue No4, 045022	November 2020	Q2	<b>Scopus</b>
2.	Multi-response optimization of AA8011 and 12 wt.-% fly-ash composites	S.Magibalan P.Senthilkumar C.Senthilkumar <b>M Prabu</b>	Materials Testing Impact factor– 2.528	Vol.62, Issue No5, 525-534	May 2020	Q2	<b>Scopus</b>

3.	Safety and Labour Management on Construction site	M Lakshmanan <b>M Prabu</b> S Magibalan P Senthilkumar	Journal of Xidian University Impact factor– 0.263	Vol.14, Issue No8, 1248-1260	2020	Q4	<b>Scopus</b>
4.	Hazard Management in Blast Furnance	S Raghul <b>M Prabu</b> S Magibalan P Senthilkumar	Journal of Xidian University Impact factor- 0.263	Vol.14, Issue No8, 138-1247	2020	Q4	<b>Scopus</b>
5.	Wear loss of stir cast aluminium alloy 8011	S Magibalan <b>M Prabu</b> PS Kumar AV Balan N Shivasankaran SP Sankar	Materials Today : Proceedings Impact factor– 2.59	Vol.21 762-566	Jan 2020	Q3	<b>Scopus</b>

2019-20							
1.	Modeling of machining parameters for MRR and TWR in EDM characteristics on AI/10 wt.-% TiB2 composites	<b>M Prabu</b> S Magibalan C Senthilkumar R Palanivelu P Senthilkumar	Materials Testing Impact factor– 2.528	Vol.61, Issue No6, 559-566	June 2019	Q2	<b>Scopus</b>
2.	Risk assessment and safe handling practices while using asbestos in industries	MN Ameen <b>M Prabu</b> P Senthilkumar	International Journal of Advance Research, Ideas and Innovations in Technology Impact factor: 4.295	(Volume 5, Issue 3) Pp 814 - 817	2019	Q4	<b>SCI</b>
2018-19							
1.	Tribological behaviour of aluminium alloy 8011	S Magibalan P Senthilkumar C Senthilkumar <b>M Prabu</b>	NISCAIR- CSIR,India Impact factor– 0.76	Vol 26 (1) Pp 43-50	Feb 2019	Q3	<b>SCI</b>
2.	Synthesis and characterization of aluminium 7075-silicon carbide metal matrix composite	P Ravishankar S Magibalan R Ranjithkumar <b>M Prabu</b>	SYNTHESIS Impact factor: 2.6	Vol.1, Issue No4	November 2018	Q4	<b>SCI</b>
3.	Investigation On Electrode Vibration Behavior Of Maching Characteristics In Nano-Tic Mixed An EdmMaching Performance	R Boopathi S Sundaram C Senthilkumar <b>M Prabu</b>	Journal of the Balkan Tribological Association Impact factor– 0.142	Vol.24, Issue No3	Sep 2018	Q1	<b>SCI</b>

4.	Dry Sliding behavior of the aluminium alloy 8011 composite with 8% fly ash	S Magibalan P Senthilkumar <b>M Prabu</b> C Senthilkumar A Nagar R Palanivelu	Materials Testing Impact factor– 2.528	Vol.60, Issue No7-8, 777-782	July 2018	Q2	<b>Scopus</b>
5.	Microstructure and mechanical properties of fly ash particulate reinforced AA8011 aluminium alloy composites	S Magibalan, P Senthilkumar, <b>M Prabu</b> C Senthilkumar, A Nagar, R Palanivelu	Materials Testing Impact factor– 2.528	Vol.60, Issue No7-8, 765-771	July 2018	Q2	<b>Scopus</b>
<b>2017-18</b>							
1.	Noise reducing in glass manufacturing industry	<b>M Prabu,</b> M Gokulram, S Magibalan, P Senthilkumar, R Boopathi	J. Eng. Res Impact factor – 1.325	Vol,18, Issue pp33-41	October 2018	Q4	<b>SCI</b>

2.	Dry sliding behavior of aluminium alloy 8011 with 12% fly ash composites	S Magibalan, P Senthilkumar, <b>M Prabu</b> R Palanivelu, C Senthilkumar	Materials Research Express Impact factor – 2.025	Vol.5, Issue No5, 056505	May 2018	Q2	<b>Scopus</b>
3.	EFFECT OF PROCESS PARAMETERS ON MRR, EWR AND RA IN NANOPARTICLES MIXED EDM	R Boopathi, R Thanigaivelan, <b>M Prabu</b>	Research &Development in material Science Impact factor – 4.682	Vol.3, Issue No2, 032505	March 2018	Q3	<b>SCI</b>
4.	DRY SLIDING BEHAVIOR OF ALUMINIUM ALLOY 8011 WITH 4% FLY ASH	S Magibalan, P Senthilkumar, C Senthilkumar, R Palanivelu, <b>M Prabu</b>	Material Testing Impact factor – 2.528	Vol.60, Issue No2, 209-214	Feb 2018	Q2	<b>Scopus</b>
5.	STUDIES ON WEAR LOSS OF STIR CAST ALUMINIUM ALLOY 8011	S Magibalan, <b>M Prabu</b> , N Shivasankaran, AV Balan	Journal of Manufacturing Engineering Impact factor – 0.207	Vol.12, Issue No4, 231-234	Dec 2017	Q2	<b>Scopus</b>
6.	ALUMINIUM METAL MATRIX COMPOSITES–A REVIEW	S Magibalan, KP Senthil, <b>P Vignesh</b> , <b>M Prabu</b> , AV Balan, N Shivasankaran	Transactions on Advancements in Science and Technology (TASTONLINE) Impact factor – 1.1	Vol.4, Issue No 11,	Nov 2017	-	<b>UGC care</b>
7.	Light Metal Composites By Using Aluminium Alloy Application–A Review	<b>P Vignesh</b> , P Senthil Kumar S Magibalan,	Journal of Emerging Technologies and	Vol.4,	Nov 2017	-	<b>UGC care</b>



		K Perumal K Selvaraj	Innovative Research (JETIR) Impact factor – 7.95	Issue No 11,			
8.	Aluminium metal matrix composite –A review	S Magibalan, KP Senthil, <b>P Vignesh,</b> <b>M Prabu,</b> AV Balan	Transactions on advancements in science and technology (TASTONLINE) Impact factor– 1.1	Vol.1, pp1-6,	Sep 2017	Q3	<b>SCI</b>
9.	Hazard identification and risk assessment in automotive industry	R Ramesh, <b>M Prabu,</b> S Magibalan, P Senthilkumar	International journal of chem. Tech research Impact factor– 0.819	Vol.10, Issue No4, 352-358	2017	Q3	<b>Scopus</b>
10.	Effect of machining characteristics of nano- TiC mixed dielectric fluids on inconel 718 in the EDM process	R Boopathi, S Sundaram, C Senthilkumar, <b>M Prabu</b>	Materials Testing Impact factor– 2.528	Vol.59, Issue No4, 402-408	March 2017	Q2	<b>Scopus</b>

**2016-17**

1.	Occupational health and safety in stamping industry	MR Lingeswaran, <b>M Prabu,</b> S Magibalan, TV Christy	Advances in Natural and Applied Sciences	Vol. 10 Issue No. (2), PP. 61-66	Feb 2016	Q3	<b>Scopus</b>
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## 2015-16

1.	Electric discharge machining of Al-TiB2 composites with and without graphite powder suspended dielectric	<b>M Prabu</b> , G Ramadoss, C Senthilkumar, S Magibalan, P Senthilkumar	ARPN Journal of Engineering and Applied Sciences	Vol. 11 Issue No. (2), PP. 1242-12449	March 2015	Q2	<b>Scopus</b>
2.	Investigating the Effect of Brass Electrode on Inconel 718 on Electrical Discharge Machine	P Shankar, R Boopathi, <b>M Prabu</b>	International Journal of Innovative Science, Engineering & Technology	Volume 2 Issue 4 PP. 1664-1667	April 2015	Q2	<b>Scopus</b>
3.	Optimization of Electro Discharge Machining Parameters Using Ant Colony Algorithm	<b>M Prabu</b> , G Ramadoss, C Senthilkumar	International Journal of Applied Engineering Research	Volume 10 Issue (1), PP. 5955-5958	April 2015	Q2	<b>Scopus</b>
4.	Safety Behaviour For Developing Injury Free Culture In Organization	AVB Murali.N , <b>M. Prabu</b> ,S.Magibalan, T.V. Christy	International Journal of Mechanical Engineering and Research	Vol. 5, Issue. (1) PP.55-58	June 2015	Q2	<b>Scopus</b>
5.	Experimental study on the cutting surface roughness in CNC	S Magibalan, <b>M Prabu</b> , <b>P Vignesh</b>	Journal of Chemical and Pharmaceutical Sciences	Volume 974 Pages 2115	June 2015	Q4	<b>Scopus</b>

6.	Experimental investigation on effect of graphite powder suspended dielectric in electric discharge machining of AL-TiB2 composites	<b>M Prabu</b> , G Ramadoss, C Senthilkumar, R Boopathi, S Magibalan	Journal of Chemical and Pharmaceutical Sciences	Volume 974 Pages 2115	Aug 2015	Q4	<b>Scopus</b>
7.	Risk assessment and control measures for chemical hazards in stainless steel industry—A review	G Nitin, <b>KM Raghu</b> , M Karthick	Int. Rev. Bus. Res. Pap	Vol. 5, PP.71-76	Aug 2015	-	<b>UGC Care</b>
<b>2014-15</b>							
1.	Electrical discharge machining of Al-TiB2 with a low-frequency vibrating tool	<b>M Prabu</b> , G Ramadoss, P Narendersingh, TV Christy, VV Eswaran	Science and Engineering of Composite Materials	Vol. 21 Issue. (3), PP. 445-452	June 2014	Q4	<b>Scopus</b>
2.	Heat Transfer Enhancement by Using Graphite/Water Nanofluid in Corrugated Tube Equipped with Different Concentrations	NSP Vedhagiri Eswaran. V, Dr. G. Ramadoss, <b>M Prabu</b> ,	International Journal of Applied Engineering Research	Vol. 9 Issue.(1), PP. 19287-19302	July 2014	Q4	<b>Scopus</b>
3.	Experimental investigation on electrical discharge machining of 6061 Al/TiB2 composites	<b>M Prabu</b> , G Ramadoss, C Senthilkumar, R Boopathi, S Magibalan	International Journal of Applied Engineering Research	Vol. 9 Issue.(24), PP. 28547-28553	Oct 2014	Q4	<b>Scopus</b>

4.	Risk assessment and control measures for chemical hazards in stainless steel industry—A review	G Nitin, <b>KM Raghu,</b> M Karthick	Int. Rev. Bus. Res. Pap	Vol. 5, PP.71-76			
<b>2012-13</b>							
1.	Optimization of design optimization problems using simulated annealing technique (SAT)	<b>M Prabu,</b> MP V. Vedhagiri Eswaran, Dr. G.Ramadoss	<b>Archives Des Sciences</b>	<b>Vol. 65</b> <b>Issue (1),</b> <b>PP.62-69</b>	Aug 2012	Q4	<b>Scopus</b>