

**VELALAR COLLEGE OF ENGINEERING & TECHNOLOGY-ERODE-12**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**FACULTY JOURNAL PUBLICATION DETAILS**  
**ACADEMIC YEAR 2020-2021**

<b>S.NO</b>	<b>NAME OF THE FACULTY</b>	<b>TITLE OF PUBLICATION</b>	<b>JOURNAL NAME</b>	<b>MONTH &amp; YEAR OF PUBLICATION</b>	<b>VOL. No.</b>	<b>ISSUE No.</b>	<b>PAGE No.</b>	<b>ISSN / ISBN</b>	<b>Citation</b>	<b>Indexing</b>
1.	Dr.R. Kumaravelan R. Prakash	Performance Evaluation of a Solar PV/T Water Heater Integrated with Inorganic Salt Based Energy Storage Medium	Journal of New Materials for Electrochemical Systems	September 2020	23	3	213-220	2292-1168	-	-
2.	Dr.R. Kumaravelan R. Prakash	Preparation and study on thermophysical properties of inorganic salt hydrate as energy storage materials	Materials Today: Proceedings	November 2020	-	-	-	2214-7853	1	-
3.	Dr.M.Jayaraman	Experimentation on Product and Service Life Cycle On Drive Shaft Using Ant Colony Algorithm	Journal of the Balkan Tribological Association	December 2020	26	4	729-735	1310-4772	-	-

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4.	Dr.R. Kumaravelan	A new study on tribological performance of cissusQuadrangularis stem fiber/Epoxy with red mud filler composite <a href="https://doi.org/10.1080/15440478.2020.1848709">https://doi.org/10.1080/15440478.2020.1848709</a>	Journal of Natural Fibers	December 2020 (Online)	-	-	1-15	1544-0478	-	-
5.	Dr.A.Thirumoorthy Dr.R. Kumaravelan T.C.R.Dinesh	Parametric optimization of high speed turning operation of hybrid aluminium composites using Taguchi – based grey relational analysis DOI: 10.1504/IJCMS SE.2020.10033445	International Journal of Computational Materials science and surface Engineering	Jan 2021	9	4	261-281	1753-3465	-	-
6.	Dr.R. Kumaravelan	Analysis of Elastic and Elasto-Plastic Behaviour of A588 Structural Steel Beam <a href="https://doi.org/10.37628/ijmd.v6i2.1147">https://doi.org/10.37628/ijmd.v6i2.1147</a>	International Journal of Mechanics and Design	Dec 2020	6	2	1-16	2582-2896	-	-

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7.	Dr.S.Velumani	Experimental Investigation of Stress Concentration in Cross Section of Crane Hook	International Journal of Trend in Scientific Research and Development	Oct 20	4	6	1264-1268	2456-6470	-	-
8.	Dr.S.Velumani	Investigation of Wear Behavior of Rice Husk Filled Cotton Fiber Reinforced Polyester Composites	International Journal of Trend in Scientific Research and Development	Oct 20	4	6	1248-1251	2456-6470	-	-
9.	R.Prakash A.T.Navinprasad K.Ramakrishnan	Experimental Investigation of Nickel Oxide Nanomaterials with n-Pentane Diesel Blends in Compression Ignition Engine”	IOP Conf. Series: Materials Science and Engineering	Feb 2021	1070	12126	-	-	-	-
10.	Dr.R. Kumaravelan	Automatic Barrier Control in the Zebra crossing of Roads for Pedestrian Safety	IOP Conf. Series: Materials Science and Engineering	Feb 2021(Online)	-	-	-	-	-	-

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11.	S.Arunkumar	Fiber extraction and mechanical properties of Agave Americana/Kenaf fiber reinforced hybrid epoxy composite	Materials Today: Proceedings	March 2021(Online)	46	-	8594-8601	2214-7853	-	-
12.	G. Raja	Augmenting the performance of photovoltaic cell through surface coating of molybdenum disulphide	Chalcogenide Letters	April 2021	18	4	161 - 170	-	-	-
13.	Dr.A.Thirumoorthy	Investigation on Mechanical Behavior of Coconut Coir Fiber Reinforced Composites	Journal of Mineral, Metal and Material Engineering	June 2021	7	-	23-28	-	-	-

**FACULTY INCHARGE**

**HOD/ MECH**