

E.G.S PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
JOURNAL PUBLICATION DETAILS
2020-2021

S.NO	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Is it listed in UGC Care list/Scopus/Web of Science/other,
1	Energy bandgap studies on copper chalcogenide semiconductor nanostructures using cohesive energy	M.I. Ahamed M.Ahamed A.Sivaranjani S.Chockalingam	MECH	Chalcogenide Letters	2021	1584-8663	SCIE
2	Investigation of powder mixed electrical discharge machining and process parameters optimization using Taguchi based overall evaluation criteria	M.Ashok T.Niranjani S.Chockalingam B.Singaravel	MECH	IOP Conference Series: Materials Science and Engineering	2021	1757-899X	SCOPUS
3	Dynamically Changing Parameters Particle Swarm Optimization (DCPPSO) Based Trajectory Planning of 3-Links Articulated Robot	Ramabalan Sundaresan S.Mahalakshmi Chinnadurai Murugaiyan	MECH	Advances in Interdisciplinary Engineering	2021	2195-4356	SCIE
4	Design optimisation of mating helical gears with profile shift using nature inspired algorithms	N.Godwin Raja Ebenezer S.Ramabalan S.Navaneethasanthakumar	MECH	Australian Journal of Mechanical Engineering	2020	1448-4846	SCIE
5	Multi-Objective Optimization of Process Parameters in W-Powder Mixed Electrical Discharge Drilling using combined SDV and TOPSIS Method	J.Jeevamalar B.Vinoth	MECH	International Journal of Advanced Science and Technology	2020	2005-4238	SCOPUS
6	Modelling of Rotary EDM Process Parameters of Inconel 718 using Artificial Neural Networks	Jayaraj Jeevamalar Sundaresan Ramabalan Chinnamuthu Senthilkumar	MECH	Mechanika	2020	2249-6890	SCIE
7	Hardness, Photoconductivity, Anti-diabetic Studies of L - AlaniniumFumarate (LAF) Crystals	V.Sivaramakrishnan K.Senthil Kannan K.Bhakya M.Kolanjinathan R.Ranadevan R.Krishnaveni	MECH	IJMPERD	2020	1551-7616	SCOPUS

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8	Electronic transport Homo-Lumo and computational studies of Cus monowire for nano device fabrication by DFT approach.	K.Senthil Kannan V.Sivaramakrishnan V.Kalaipoonguzhali M.Chinnadurai S.Kannan	MECH	Materials today proceedings.	2020	2214-7853	SCOPUS
9	XRD, CHNSO, fluorescence, filter-influx, NLO, photoconductivity, hardness and helical spring fabricated device stress analysis of 20-chloro-4-methoxy-3-nitrobenzil (CMNB) crystal of different scalings for opto-electronic filter and band gap engineering utilities	M.Kolanjinathan Hariharasudhan Rajagopalan Sivaramakrishnan Velu R.P.Patel	MECH	Journal of Materials Science	2021	10049-10057	SCIE
10	Investigation of Micro- hole quality in Drilled CFRD laminates through CO ₂ Laser.	N.Ramanujam S.Dhanabalan D.Rajkumar N.Jeyaprakash	MECH	Arabian Journal for Science and Engineering	2021	2191-4281	SCIE
11	Determined Material Selection on Adaptive Control Based Rocker Bogie for Different Manufacturing Configurations of Mobile Robot	A.Arunkumar D.Vigneshwaran S.Ramabalan	MECH	Design Engineering	2021	0011-9342	UGC
12	Chatter control and stability analysis in cantilever boring bar using FEA methods	S.Chockalingam S.Ramabalan K.Govindan	MECH	Materials today proceedings	2021	2577-2580	SCIE
13	Experimental investigation of electrode shape configuration in sustainable electric discharge machining process	S.Muruges N.Manikadan M.Subramaniyan S.Chockalingam G.Surendar	MECH	IOP Conference Series: Materials Science and Engineering	2021	1757-899X	SCOPUS
14	Investigating the effects of copper cadmium electrode on inconel 718 During EDM Drilling	J.Jeevamalar S.Bharani Kumar P.Ramu G.Suresh K.Senthilnathan	MECH	Materials Today Proceedings	2020	1451-1455	SCOPUS
15	Evaluation in 4D Printing- A Review	S.Bharani Kumar J.Jeevamalar P.Ramu G.Suresh K.Senthilnathan	MECH	Materials Today Proceedings	2020	1433-1437	SCOPUS

S.NO	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Is it listed in UGC Care list/Scopus/Web of Science/other,
16	Experimental Study On Mechanical Properties of EPDM/NBR Composite using nanoclay	N.Ramanujam S.Chockalingam	MECH	Gedrag & Organisatie	2020	0921-5077	SCIE
17	Evaluation of Mechanical Properties of SiSal and Bamboo Fibres Reinforced with polymer matrix composites prepared by Compression Moulding Process	S.Krishnamohan Arul thayammal Ganesan M.Ramarao, Amol L.Mangrulkar, S.Rajesh, Sami AI Obaid, Saleh Alfarraj, S,Sivakumar, Manikandan Ganesan	MECH	Advanced Material Science and Engineering	2021	2832149	SCIE