

ACADEMIC YEAR 2019-2020			
S.no	Faculty name	Journal  Title	Publisher Name
1	V.Vijayan	Performance analysis of solar water heater by using TiO <sub>2</sub> nanofluids	Materials Today: Proceedings
2	V.Vijayan	Stability analysis of heat transfer hybrid/water nanofluids	Materials Today: Proceedings
3	V.Vijayan	Growth and characterisation of zinc oxide thin films by sputtering technique	Materials Today: Proceedings
4	V.Vijayan	Optimal ordering strategy pricing model with worsening materials in fuzzy environment	Materials Today: Proceedings
5	V.Vijayan	Structural, compositional and optical properties of electrochemically grown iron diselenide thin films	Materials Today: Proceedings
6	V.Vijayan	Physical, chemical and optical properties of CdSe and CdSe: Zn thin films obtained through low cost electrochemical route	Materials Today: Proceedings
7	V.Vijayan	Influence of surface roughness in turning process—an analysis using artificial neural network	Transactions of the Canadian Society for Mechanical Engineering, 1-6
8	V.Vijayan	Mathematical model of fluid flow and heat exchanger	Thermal Science, 429-429
9	V.Vijayan	Model for the effective prediction of heat transfer rates in tube heat exchangers	Thermal Science, 438-438
10	V.Vijayan	Support vector machine for modelling and simulation of heat exchangers	Thermal Science, 398-398
11	V.Vijayan	Analysis of Machining Parameters in Turning Operation on Duplex 2205 by using RSM for Vehicle Structure	International Journal of Vehicle Structures & Systems 11 (1), 113-116
12	V.Vijayan	Environmental effect of CI engine using microalgae biofuel with nano-additives	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects
13	T.Rajkumar	Experimental evaluation on natural composites with the incorporation of metal powders	Materials Today: Proceedings
14	S.Saravanan	Electrochemical machining behaviour of AA6063-TiC composites by using response surface methodology	Materials Today: Proceedings
15	S.Saravanan	A review on recent progresses in machining methods based on abrasive water jet machining	Materials Today: Proceedings
16	S.Saravanan	Effect of reinforced aluminium alloy LM30 with pure ceramic particles to evaluate hardness and wear properties	Materials Research Innovations, 1-4
17	S.Saravanan	Performance analysis of synthesized ZnO nanoparticles coated photovoltaic cell	Materials Today: Proceedings
18	S.Saravanan	Influence of FCAW process parameters in super duplex stainless steel claddings	Materials Today: Proceedings
19	S.Saravanan	Wear loss of stir cast aluminium alloy 8011	Materials Today: Proceedings
20	S.Saravanan	Blue phosphorene nanoribbon for detection of chloroform vapours—a first-principles study	International Journal of Environmental Analytical Chemistry, 1-13
21	S.Saravanan	Synthesis and abrasive wear performance of stir cast AA6063-TiC composite materials	SN Applied Sciences 1 (12), 1585
22	S.Saravanan	Prediction of Neonatal Seizures in HIE by APGAR Score and Umbilical Cord Blood pH	JMSCR 6 (4), 1-4

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23	S.Saravanan	Parametric optimization of abrasive water jet cutting for AA6063-3 wt.% TiC composites	GPH-Journal Of Mechanical And Civil Engineering 1 (1), 23-31
24	S.Saravanan	Adsorption insights of amine vapors on black phosphorene nanotubes—a first-principles study	Materials Research Express 6 (10), 105518
25	S.Karuppusamy	Correlation between Compressive Strength and Split Tensile Strength of GGBS and MK Based Geopolymer Concrete using Regression Analysis	J. Mech. Cont. & Math. Sci 14 (1), 21-36
26	R.Suresh Isravel	A review of material and coatings in solar collectors	Materials Today: Proceedings
27	R.Suresh Isravel	Thermal augmentation in parabolic trough collector solar water heater using rings attached twisted tapes	Materials Today: Proceedings
28	R Yokeswaran	Study of various types cladding and the evolvement of the techniques through years and the future scope—A review	Materials Today: Proceedings
29	N.Parkunam	Experimental analysis on passive cooling of flat photovoltaic panel with heat sink and wick structure	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects
30	N.Parkunam	Natural composites integrated with fire retardants: A review	Materials Today: Proceedings
31	N.Parkunam	Mechanical characterization of hybrid laminates composites	Materials Today: Proceedings
32	K.Rajaguru	Additive manufacturing—State of art	Materials Today: Proceedings
33	K.B.Hariharan	Life time improvement of D7 tool steel by cryogenic treatment	Materials Today: Proceedings
34	G.Sathishkumar	Microstructural and wear behaviour of heat treated Cu-11Ni-6Sn alloy	Materials Today: Proceedings
35	G.Navaneethakrishnan	Development and investigation of Pongamia pinnata epoxy composites	Materials Today: Proceedings
36	G.Navaneethakrishnan	Structural analysis of natural fiber reinforced polymer matrix composite	Materials Today: Proceedings
37	C.Saravanan	Assessment of mechanical properties of Silicon Carbide and Graphene reinforced aluminium composite	Materials Today: Proceedings
38	B.Sureshkumar	Machine Vision in Measurement	Measurement in Machining and Tribology, 113-123
39	A.Godwin Antony	Investigation of AC temperature variation by modifying the structure of passenger car using CFD	Thermal Science, 397-397
40	A.Godwin Antony	An Experimental Investigation On A Low Heat Rejection Diesel Engine Using Waste Plastic Oil With Different Injection Timing	Thermal Science,