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Key Journal Publications:

S.No	Author(s)	Title	Journal Name	Vol.	Page	Year
1	Pradeep Kumar. H, Sakthivel. G, Shankar. S	Prevalence of Work Related Musculoskeletal Disorders Among Occupational Bus Drivers of Karnataka, South India	WORK: A Journal of Prevention, Assessment, and Rehabilitation	66 (1)	1-12	2020
2	Pradeep Kumar. H, Sakthivel. G, Shankar. S	Occupational physical risk factors and prevalence of musculoskeletal disorders among the traditional lacquerware toy makers of South India	WORK: A Journal of Prevention, Assessment, and Rehabilitation	Accepted for publication		2020
3	Dasaradha Ramaiah. K Gangadhar. K Kannan, T, Sakthivel. G,	Unsteady free convective boundary layer flow of a nanofluid past a stretching surface using a spectral relaxation method	International journal of ambient energy-Taylor and Francis	41 (6)	609-616	2020
4	Naveen Kumar, Sakthivel. G, Jegadeeshwaran. R Sivakumar. R, Saravana Kumar. D	Vibration Based IC Engine Fault Diagnosis Using Tree Family Classifiers-A Machine Learning Approach	IEEE explore	-	225-228	2019
5	Alamelu Manghai, Jegadeeshwaran.R, Sakthivel .G, Sivakumar.R, Saravana Kumar.D	Condition Monitoring of Hydraulic Brake System Using Rough Set Theory and FUZZY Rough Nearest Neighbor Learning Algorithms	IEEE explore	-	229-232	2019
6	Sakthivel. G Senthil Kumar. S, Ilangkumaran. M	A genetic algorithm-based artificial neural network model with TOPSIS approach to optimize the engine performance	Biofuels-Taylor and francis	10 (6)	693-717	2019
7	K.Shantisagar. K, Jegadeeshwaran. R, Sakthivel. G	Vibration Based tool insert health monitoring using decision tree and fuzzy logic	Structural Durability & Health Monitoring	13(3)	303-316	2019
8	Sakthivel. G, Sivaraja C.M, Ikua BW	Prediction of CI engine performance, emission and combustion parameters using fish oil as a biodiesel by fuzzy-GA	Energy -Elsevier	166	287-306	2019
9	Graceson Jeriel F, Sakthivel. G Jegadeeshwaran.R	Impact of Adaboost and Support Vector Machine Classifier in Automotive Sector	Materials Science and Engineering-IOP	524 (1)	12-31	2019
10	K Gangadhar, T Kannan, P Jayalakshmi, G Sakthivel	Dual solutions for MHD Casson fluid over a shrinking sheet with Newtonian heating	International Journal of Ambient Energy-Taylor & Francis	--	1-9	2018
11	Sivaraja C.M, Sakthivel. G, Vivek Ramesh Warke	Selection of optimum fuel blend to empower the energy efficiency in IC engine using decision system	Energy Sources, Part A:Recovery, Utilization, and Environmental Effects -Taylor & Francis	40 (6)	693-708	2018
12	Navneet Bohara, Jegadeeshwaran. R, G.Sakthivel	Carbide Coated Insert Health Monitoring Using Machine Learning Approach through Vibration Analysis	International Journal of Prognostics and Health Management	8(2)	1-10	2017
13	Sakthivel. G, Sivakumar.R,	A decision support system to evaluate the optimum fuel blend	Energy-Elsevier	140	566-583	2017

	Saravanan.N, Ikua BW	in an IC engine to enhance the energy efficiency and energy management				
14	G.Sakthivel, M.Ilangkumaran	Optimisation of CI engine performance with fish oil biodiesel using Taguchi-Fuzzy approach	International Journal of Ambient Energy- <i>Taylor & Francis</i>	38(2)	146-160	2017
15	Sakthivel. G, Ikua BW	Failure mode and effect analysis using fuzzy analytic hierarchy process and GRA TOPSIS in manufacturing industry	International Journal of Productivity and Quality Management - Inderscience	22(4)	466-484	2017
16	G.Sakthivel	Prediction of CI engine performance, emission and combustion characteristics using fish oil as a biodiesel at different injection timing using fuzzy logic	<i>Fuel -Elsevier</i>	183	214-229	2016
17	ShridharKullolli, Sakthivel. G, Ilangkumaran. M	A neural network model for the prediction of CI engine performance at different injection timings.	International Journal of Ambient Energy- <i>Taylor & Francis</i>	37(3)	227-236	2016
18	Sakthivel. G, Snehitkumar. B, Ilangkumaran. M.	Application of fuzzy logic in IC engines to predict the engine performance.	International Journal of Ambient Energy- <i>Taylor & Francis</i>	37(3)	273-283	2016
19	G.Sakthivel, M.Ilangkumaran	A hybrid multi-criteria decision making approach of ANP-TOPSIS to evaluated the optimum fuel blend in IC engine	International Journal of Decision support systems-Inderscience	1(3)	268-293	2015