

Panel Member from other university College/Institution		
Sl no	Name with full address	Area of specialization
1	Name : Dr. M. Dev Anand, Designation : Professor. Department : Mechanical Engineering, Address : Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, 629180. Mobile : 9486856122 E-mail : anandpmt@hotmail.com	Friction welding, surface engineering.

Sl. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Ajith Raj, R., Dev Anand, M., & Ramabalan, S.	Mathematical modelling and volume prediction of metal melted by electron beam welding in copper and stainless steel 304 dissimilar metal joints	International Journal of Recent Technology and Engineering	8 (2 Special Issue 3)	1-5	2019
2.	Dev Anand, M., Jai Aultrin, K. S., Ramanan, G., & Neela Rajan, R. R.	Multi-objective optimization of awjm of lead tin alloy by gra.	International Journal of Recent Technology and Engineering	8 (2 Special Issue 3)	72-83	2019
3.	Sudhin Chandran, R. Rajesh and M. DevAnand	A review - studies on heat treatment of laser beam welded ti, /al dissimilar sheet metals	<u>Journal of Advanced Research in Dynamical and Control Systems</u>	Volume 11, 08-Special Issue	725-733	2019
4.	Dev Anand, M., Kumanan, S., Girish, R. R., Selvaraj, T., & Asokan, P.	An enhanced genetic algorithm for assembly planning	International Journal of Recent Technology and Engineering,	8 (2 Special Issue 3)	36-42	2019
5.	Dev Anand, M., & Ramasamy, N.	Pv system simulation using various incremental algorithms applied in maximum power point tracking: a comparative study.	International Journal of Recent Technology and Engineering,	8 (1C2)	980-988	2019
6.	Gopu, P., & Dev Anand, M.	Optimal parameter determination on friction stir welding process of	International Journal of Recent	8(2 Special Issue 3)	46-50	2019

		aa6061 using grey taguchi method.	Technology and Engineering			
7.	Jai Aultrin, K. S., Dev Anand, M., Rajesh, R., & Muthu Sherin, S.	Pso research on cutting parameters in awjm process for aluminum 6061 alloy.	International Journal of Recent Technology and Engineering	8(2 Special issue 3)	64-71	2019
8.	Sivasamy, D., Dev Anand, M., & Anitha Sheela, K.	A review robot fault diagnosis part ii qualitative models and search strategies.	International Journal of Recent Technology and Engineering	8(1C2)	977-979	2019
9.	Sivasamy, D., Dev Anand, M., & Anitha Sheela, K.	Intelligence decision making of fault detection and fault tolerances method for industrial robotic manipulators. International	Journal of Recent Technology and Engineering	8 (2 Special Issue 3)	17-24	2019
10.	Sivasamy, D., Dev Anand, M., & Anitha Sheela, K.	Robot forward and inverse kinematics research using matlab.	International Journal of Recent Technology and Engineering	8(2 Special Issue 3)	29-35	2019
11.	Raj, A., Leo Dev Wins, K., & Dev Anand, M.	Optimization of cutting parameters in hard turning of ohns steel.	International Journal of Recent Technology and Engineering	8(3)	43-45	2019
12.	K.S. Jai Aultrin, M. Dev Anand, R. Rajesh	Pso research on cutting parameters in awjm process for aluminum 6061 alloy	International Journal of Recent Technology and Engineering	8 (2S3)	64-71	2019
13.	R. Rajesh, N. Muhammedshafi, A. Mohammed, R. Jishnu, Shiyanshihab and Shine B Chandran	Development of optimized edm parameters for lm25 aluminium composite using prediction tool	<u>Journal of Advanced Research in Dynamical and Control Systems</u>	Volume 11 08-Special Issue	773-783,	2019
14.	M. Dev Anand, R. Rajesh	Prediction of EDM Process Parameters for AISI 1020 Steel Using RSM, GRA And Ann	International Journal of Recent Technology	8 (2)		2019

			and Engineering			
15.	P Gopu, M. Dev Anand, R Rajesh	Prediction of electrical discharge machining process parameters by artificial neural network based on response surface method	Journal of Advanced Research in Dynamical and Control Systems	10 (8)	335-344	2018
16.	Jai Aultrin, K. S., & Dev Anand. M	Pso approach on cutting parameters in awjm process for copper iron alloy.	Journal of Advanced Research in Dynamical and Control Systems	10(8)	376-383	2018
17.	Jamshak, S. H., Dev Anand, M., Akshay, S. B., Arun, S., Prajeev, J., & Prabhakaran, P.	Design and analysis of a plate heat exchanger in the view of performance improvement and cost reduction.	International Journal of Engineering and Technology (UAE)	7 Special Issue 27)	440-446	2018
18.	Ajith Raj, R., & Dev Anand, M.	A survey on future research about electron beam welding for aerospace applications	China Welding (English Edition),	27(1)	60-64	2018
19.	Ajith Raj, R., & Dev Anand, M.	Microstructural characterizations using Sem/Edax and x-Ray diffraction analysis on Tig and electron beam welded dissimilar metal joints of copper and stainless steel 304.	Journal of Advanced Research in Dynamical and Control Systems	10(8)	345-351	2018
20.	Ajith Raj, R., & Dev Anand, M.	Micro structural evaluation and tensile characterization of electron beam welded dissimilar metal joints of copper and stainless steel 304	International Journal of Mechanical Engineering and Technology,	9(3),	519-528	2018
21.	Ajith Raj, R., & Dev Anand, M.	Modeling and prediction of mechanical strength in electron beam welded dissimilar metal joints of stainless steel 304 and copper using grey relation analysis	International Journal of Engineering and Technology (UAE)	7(3)	198-201	2018
22.	Ajith Raj, R., & Dev Anand, M.	Prediction and error analysis of tensile strength and micro hardness in electron beam	Journal of Advanced Research in Dynamical	10(8)	328-334	2018

		welded copper and stainless steel 304 dissimilar metals joint using intelligent techniques	and Control Systems			
23.	Ajith Raj, R., Rohit, I. J., & Dev Anand, M.	Mechanical strength prediction of TIG welded stainless steel 304 using grey RSM	International Journal of Mechanical Engineering and Technology	8(8)	840-847	2017
24.	Eqbert, K., & Dev Anand, M	Development of reducing boil off losses in lng transportation using polyamide as supporting material.	International Journal of Civil Engineering and Technology	8(8)	852-858.	2017
25.	Gopu, P., & Dev Anand, M.	Experimental investigation on friction stir welding process using ANFIS model	International Journal of Mechanical Engineering and Technology	8(5)	886-895	2017
26.	Jacob Raglend, I., & Dev Anand, M.	Inverse kinematics solution of a five joint robot using recurrent neural network algorithm	International Journal of Mechanical Engineering and Technology	8(5)	941-958	2017
27.	Jerold Jose, P., & Dev Anand, M.	Prediction and optimization of weld bead geometry of pulsed gas tungsten arc welded Inconel 718 alloy using RSM	International Journal of Mechanical Engineering and Technology	8(8)	788-800	2017
28.	Samuel, G. D., & Dhas, J. E. R.	Multi-objective optimization of friction stir welded dissimilar Aluminium composites using grey analysis	International Journal of Applied Engineering Research	12(7)	1279-1289	2017
29.	Ramanan, G., Neela Rajan, R. R., Diyu Samuel, G., Edwin Raja Dhas, J., Rajesh Prabha, N., & Pradeep, P.	Multiple response characteristics optimization of WEDM parameters for aa7075 composites by response surface grey relative analysis	International Journal of Mechanical Engineering and Technology	8(6)	667-677	2017
30.	Senthil Anbazhagan, A.	Investigation and modeling on dynamic failure mode-i type crack	International Journal of Mechanical	8(5)	896-911	2017

	M., & Dev Anand, M.	transitions in pressure vessel geometry	Engineering and Technology			
31.	Senthil Anbazhagan, A. M., & Dev Anand, M.	Investigation of temperature distribution on combined pressure vessel column	International Journal of Civil Engineering and Technology	8(8)	889-897	2017
32.	R Rajesh, M. Dev Anand	A survey on current research trends in electro discharge machining and their performances on MRR, TWR and SR	Journal of Chemical and Pharmaceutical Sciences	9 (2)	903-918	2016
33.	Xavier IrudhyaRaj Y , Rajesh R , Dev Anand M	Advanced machining performance study on hardened steel en 31: a differential evaluation approach	Journal of Chemical and Pharmaceutical Sciences	9 (1)	456-461	2016
34.	R Rajesh, M. DevAnand, P Gopu, E. Raja Sherin	ANFIS-based surface roughness prediction model for EDM of aluminum-based composite materials	International Journal of Enterprise Network Management	7 (4),	365-381	2016
35.	Rohit, I. J., Jacob Raglend, I., & Dev Anand, M.	Inverse kinematics solution of a five joint robot using MRAN algorithm	International Journal of Control Theory and Applications	9(7)	3211-3229	2016
36.	Siddique Ahmed Ghias, A., Dev Anand, M., Jacob Raglend, I., & Shamila, F.	Solution for a five link industrial robot manipulator inverse kinematics using intelligent prediction response method.	Indian Journal of Science and Technology	9(21)	1-6	2016
37.	Jai Aultrin, K. S., & Dev Anand, M.	Application of fuzzy logic approach for prediction of machining parameters by AWJM process on Aluminium 6061 alloy	Journal of Chemical and Pharmaceutical Sciences	9(1)	383-391	2016
38.	Jacob Raglend, I., & Dev Anand, M.	Inverse kinematics solution of a five joint robot using TD and distributed TDN network	International Journal of Control Theory and Applications	9(7)	3159-3179	2016
39.	Dev Anand, M., Janardhanan, K. A., Gopu, P., & Kinslin, D.	Design, modelling and study of magneto rheological dampers in suspension system	Journal of Chemical and Pharmaceutical Sciences	9(1)	347-350	2016

40.	Dev Anand, M., Janardhanan, K. A., Jai Aultrin, K. S., & Kinslin.D	Prediction of quality response by AWJM process for Aluminum 6061 alloy using ANN	Journal of Chemical and Pharmaceutica l Sciences	9(1)	341-346	2016
41.	Dev Anand, M., Janardhanan, K. A., Rajesh, R., & Ramachandran, D.	Fibre reinforced plastic material with aluminum filling used for ship superstructure	Journal of Chemical and Pharmaceutica l Sciences,	9(1)	351-355	2016
42.	Dev Anand, M., Kesavan, S., Gopu, P., & Rohit, I. J.	Development and experimental analysis of magneto rheological fluid based suspension model	Journal of Chemical and Pharmaceutica l Sciences	9(1)	462-464	2016
43.	Jai Aultrin, K. S., & Dev Anand, M.	Multi-objective optimization of abrasive water jet machining of aluminum 6061 alloy by grey relational analysis	. Journal of Chemical and Pharmaceutica l Sciences	9(1)	410-417	2016
44.	M. DevAnand , R. Rajesh , K.A. Janardhanan	Study and analysis of a Cryogenic pressure vessel design for the storage of liquefied natural gas	Journal of Chemical and Pharmaceutica l Sciences	9 (1)	933-941	2016
45.	M.Dev Anand, R Rajesh, KA Janardhanan, IJ Rohit	Study and analysis of a cryogenic pressure vessel design for the storage of liquefied natural gas	Journal of Chemical and Pharmaceutica l Sciences	Volume 9 Issue 2	933-941	2016
46.	Raglend, J., Dev Anand, M., Glan Devadhas, G., & Mary Synthia Regis Prabha, D. M.	Inverse kinematics solution of a five joint robot using NARX algorithm	Journal of Chemical and Pharmaceutica l Sciences	9(4)	2677-2687	2016
47.	Senthil Anbazhagan, A. M., & Dev Anand, M.	Design and crack analysis of pressure vessel saddles using finite element method	Indian Journal of Science and Technology	9(21)	2-12	2016
48.	Sivasamy, D., Dev Anand, M., & Krishnama Naidu, V.	Robot fault diagnosis part - i: a retrospective analysis. Journal of chemical and pharmaceutical sciences		9(2)	919-924	2016
49.	P Gopu, M.DevAnand, R Rajesh	Application of regression analysis and Taguchi method for prognostication and optimization of EDM process				2016
50.	R Rajesh, M D Anand	Development of Hybrid Modeling and Prediction of SR in EDM of	Indian Journal of Science and Technology	9 (13)	1-11	2016

		AISI1020 steel material using ANFIS				
51.	DR DevAnand M, K.A. Janardhanan, R. Rajesh	Fibre reinforced plastic material with aluminum filling used for ship superstructure	Journal of Chemical and Pharmaceutical Sciences	9 (1)	351-355	2016
52.	M D Anand, R. Rajesh	Modeling and analysis of MRR and SR in EDM of AISI 1020 through RSM	Journal of Chemical and Pharmaceutical Sciences	9 (1)	369-377	2016
53.	R Rajesh, M D Anand	Prediction of EDM process parameters for a composite material using RBFNN and ANN through RSM	Indian Journal of Science and Technology	9 (13)	1-12	2016
54.	Sivasamy, D., Dev Anand, M., & Krishnama Naidu, V.	Robot fault diagnosis using a novel high speed double-tail comparator	Journal of Chemical and Pharmaceutical Sciences	9(1)	360-362	2016
55.	Sivasamy, D., Dev Anand, M., & Naidu, K.	Robot fault diagnosis using TMR reversible QCA comparator circuit	International Journal of Applied Engineering Research	10(45)	31940-31945	2015
56.	Sudhakar, D., Dev Anand, M., & Rohit, I. J.	Facility location selection based on the TOPSIS methods	International Journal of Applied Engineering Research	10(45)	31953-31957	2015
57.	Sudhakar, D., Dev Anand, M., & Rohit, I. J.	Industrial robot manipulator structure design for assembly using FEM	International Journal of Applied Engineering Research	10(45)	31958-31961	2015
58.	Senthil Anbalazahan, A. M., & Dev Anand, M.	Twenty two different types of corrossions in pressure vessels	International Journal of Applied Engineering Research	10(45)	31930-31939	2015
59.	John, S., Dev Anand, M., & Rohit, I. J.	Thermal analysis and effects of shock wave over supersonic flow convergent-divergent nozzle	International Journal of Applied Engineering Research	10(45)	31971-31974	2015
60.	Jai Aultrin, K. S., & Dev Anand, M.	Multi-objective optimization of abrasive water jet machining process for copper iron alloy by grey relational analysis	International Journal of Applied Engineering Research	10(45)	31997-32004	2015

61.	Jai Aultrin, K. S., & Dev Anand, M.	Optimization of machining parameters in AWJM process for lead tin alloy using RSM and regression analysis	International Review of Mechanical Engineering	9(2)	136-144	2015
62.	Jacob Raglend, I., Dev Anand, M., & Rohit, I. J.	Comparative study of inverse kinematic solution for a five joint robot using various neural network models	International Journal of Applied Engineering Research	10(45)	31966- 31970	2015