

## PRINCIPAL PROFILE

### Papers Published in National / International Conferences

Sl. No.	Title of Paper	Author(s)	Name & Vol. of Journal & Year	Page No.	
				From	To
1.	Study of the effect of process variables on bead geometry in SAW of pipes.	Dr. V.Gunaraj	International Conference on Welding, Dec. 1996, IIW, Mumbai	A-061-1	A-061- 8
2.	Effect of process parameters on bead geometry in SAW of pipes	Dr. V.Gunaraj	International Conference on Advances in Mechanical & Industrial Engineering (ICAME 1997), Roorkee, Feb. 1997	1059	1066
3.	Application of RSM in predicting weld bead quality	Dr. V.Gunaraj	International Conference on Quality and Reliability Engineering (ISQRE 1997), Hong Kong , April 1997	224	231
4.	Statistical design of experiments for predicting weld bead quality in SAW of pipes	Dr. V.Gunaraj	International Conference of Quality Engineering and Management (ICQEM 1997), PSG Tech. Aug. 1997	397	404
5.	Optimization of bead quality in SAW of pipes	Dr. V.Gunaraj	International Conference of Welding organized by IIW, New Delhi, Feb. 1999	896	904
6.	Design of Experiments for Modelling and Simulation of Heat Treatment Process	Dr. V.Gunaraj and Mr.K. Raja	National Level Conference on Recent Trends in Production / Operation Management, Annamalai University, Jan. 2001	153	158
7.	Investigation in grey iron castings to enhance productivity	Dr. V.Gunaraj and Mr. Mohandas Gandhi	National Level Conference on Processing of Metals,	107	112

			P. S. G College of Technology, 31.01.2002 to 01.02.2002		
8.	Simulation of Weld Bead Profile for Submerged Arc Welding of Structural Steel Plates	Dr. V.Gunaraj Mr. K. Raja & Mr.V.Velmurugan	International Conference on Digital Aided Modelling and Simulation (DAMS 2003), Jan 6 <sup>th</sup> to 8 <sup>th</sup> 2003	Paper No: 102	
9.	Effective utilization of waste heat in refrigeration systems	Dr. V.Gunaraj R. Sudhakaran & S. Karthick	National Conference on “Recent Trends in Energy Engineering, National Engg College, 2004	143	151

#### b. Papers published in International Journals

1.	The application of response surface methodology for predicting weld bead quality in SAW of pipes	Dr. V. Gunaraj	International Journal of Material Processing Technology, ELSEVIER Science Publications, UK, (88) 1999	266	275
2.	Prediction and comparison of area of heat affected zone for bead on plate and bead on joint in SAW of pipes	Dr. V. Gunaraj	International Journal of Material Processing Technology, ELSEVIER Science Publications, UK, (95) 1999	246	261
3.	Prediction and optimization of weld bead volume and quality for SAW of pipes– Part 1	Dr. V. Gunaraj	International Welding Journal Published by AWS (American Welding Society), 79 (10) Oct. 2000	286 s	294 s
4.	Prediction and optimization of weld bead volume and quality for SAW of pipes– Part 1	Dr. V. Gunaraj	International Welding Journal Published by AWS (American Welding Society), 79 (11) Nov. 2000	331 s	338 s
5.	Prediction of heat affected zone characteristics in submerged arc welding of structural steel pipes	Dr. V. Gunaraj	International Welding Journal Published by AWS (American Welding Society), 81 (3) Mar. 2002	45 s	53 s
6.	Prediction and control of weld bead geometry and shape relationships in submerged arc welding of pipes	Dr. V. Gunaraj	International Journal of Material Processing Technology, ELSEVIER Science Publications, UK	Communicated	

7.	Study of Effects of process variables on bead parameters at constant heat input levels in SAW of structural steel plates	Dr. V. Gunaraj	International Journal of Material Processing Technology, ELSEVIER Science Publications, UK	Communicated	
8.	Effects of Process Parameters on Angular Distortion of Gas metal Arc Welded Structural Steel Plates	Dr. V. Gunaraj and Mr. V.VelMurugan	International Welding Journal Published by AWS (American Welding Society) Nov 2005.	165-s	171-s

SNo	Staff Name	Department	Doing/Completed	Research Publications (Y/ N)	Title of the Journal with Volume No:	Title of the Paper With page No:
1.	Dr.V.Gunaraj		Completed	Yes		
2.	Dr.Gopalakrishnan	Physics	Completed	Yes		
3.	T.Amudha	Chemistry	Completed	No		
4.	K.Balachandran	Chemistry	Pursuing	No		
5.	Ragi Krishnan	Maths	Pursuing	Yes	1. International Journal of Computing and Mathematical Application, 2. International Journal of Statistics and System	1. Reliability Analysis of 5 component dianamic warm standby system with multible sensor and switchs 2a. Reliability Analysis of 5 component dianamic warm standby system With sensing device 2 b. The survivol analysices of "out" of K" out of N system with sensing device
6.	M.Sivaji	Maths	Pursuing	Yes	1. International Journal of Computing and Application, Statistical Inference for Markov Chain 2. International Journal of Computer Science & Engineering	1. Statistical Inference for Markov Chain, 2. Inferesce on trancsing process to be published in the journal
7.	K.Kalliraj	Maths	Pursuing	yes	1. Electronic Notes in Discrete mathematics, ELSEVIER (SCIENCE DIRECT), 33(2009), 2. Proceedings of National Conference On Mathematical and Computational Models (NCMCM 2007) 3. Proyecciones Journal of Mathematics, (accepted). 4. Ars Combinatoria (accepted). 5. Proceedings of International Conference on Mathematical and Computational Models, PSG College of Technology, ICMCM 09, December 2009	1. "On Equitable Coloring of central Graphs and total graphs" pp.1-6. 2. Cycle Multiplicity Middle Graph of $C_n$ , $P_n$ and $K(1,n)$ ", pp.176-181. 3. "On Harmonious coloring of total graph of $C(C_n)$ , $C(K1,n)$ and $C(P_n)$ ", 4. On Equitable Coloring of Sun let graph Families 5. On Equitable Coloring of Wheel Graph Families pp.248-251

8.	K.Kalaivani	Maths	Pursuing	No		
9.	A.Prakash	Physics	Pursuing	NO		
10.	Vichitra Sivaji	English	Pursuing	No		
11.	Ganesan H	Mech	Pursuing	Yes	CIIT International Journal , Volume No. 2	Metahuerists in Mechining Parameter
12.	Rajendran	ECE	Pursuing	Yes	CIIT International Journal , Volume No. I	Digital Image Processing
13.	Gnanasundari	ECE	Pursuing	No		
14.	Vijayalakshmi	ECE	Pursuing	No		
15.	Chitralkha	ECE	Pursuing	No		
16.	Rejina parvin	ECE	Pursuing	No		
17.	Jaganathan S	EEE	Pursuing	No		
18.	Sivaraju S S	EEE	Pursuing	No		

19.	K.Karuppasamy	IT	Pursuing	No		
20.	S.R.Mugunthan	IT	Pursuing	No		