

LIST OF JOURNAL PUBLICATIONS (2008-2014)

(Source: Scopus; up to June 2014)

Year	Authors	Title	Source title	Volume	Issue	No.	Page start	Page end	Cited by
2014	Das, M., Chatterjee, S., Mukhopadhyay, A., Sen, S.	Experimental investigation of a hollow cone spray using laser diagnostics	Journal of Engineering for Gas Turbines and Power	136	7	71504			
2014	Mukherjee, S., Kundu, B., Sen, S., Chanda, A.	Improved properties of hydroxyapatite-carbon nanotube biocomposite: Mechanical, in vitro bioactivity and biological studies	Ceramics International	40	4		5635	5643	
2014	Loha, C., Chattopadhyay, H., Chatterjee, P.K.	Three dimensional kinetic modeling of fluidized bed biomass gasification	Chemical Engineering Science	109			53	64	
2014	Goswami, P., Mandal, D.K., Manna, N.K., Chakrabarti, S.	Study on the effect of steady, simple pulsatile and physiological pulsatile flows through a stenosed artery	Heat and Mass Transfer						
2014	Barman, N., Dutta, P.	Rheology of A356 alloy during solidification under stirring	Transactions of the Indian Institute of Metals	67	1		101	104	
2014	Mondal, S., Mukhopadhyay, A., Sen, S.	Dynamic characterization of a laboratory-scale pulse combustor	Combustion Science and Technology	186	2		139	152	
2014	Nath, S., Mukhopadhyay, A., Datta, A., Sarkar, S., Sen, S.	Effect of confinement on breakup of planar liquid sheets sandwiched between two gas streams and resulting spray	Fluid Dynamics Research	46	1	15511			

		characteristics							
2014	Mondal, S., Bandyopadhyay, A., Pal, P.K.	Application of artificial neural network for the prediction of laser cladding process characteristics at Taguchi-based optimized condition	International Journal of Advanced Manufacturing Technology	70	12-Sep		2151	2158	
2014	Das, M.K., Kumar, K., Barman, T.K., Sahoo, P.	Optimisation of EDM process parameters using grey-Taguchi technique	International Journal of Machining and Machinability of Materials	15	04-Mar		235	262	
2014	Laha, D., Sapkal, S.U.	An improved heuristic to minimize total flow time for scheduling in the m-machine no-wait flow shop	Computers and Industrial Engineering	67	1		36	43	
2014	Mondal, N., Saha, R., Sanyal, D.	Designing aerostatic bearing with counterbalancing gaps for lifting a heavy payload	Journal of Tribology	136	3	31701			
2014	Mansouri Majoumerd, M., Raas, H., De, S., Assadi, M.	Estimation of performance variation of future generation IGCC with coal quality and gasification process - Simulation results of EU H2-IGCC project	Applied Energy	113			452	462	
2014	Patra, S.N., Bhattacharya, G., Panja, S.C., Ghosh, K.	A low free-parameter stochastic model of daily Forbush decrease indices	Journal of Atmospheric and Solar-Terrestrial Physics	107			30	35	
2014	Ghose, P., Patra, J., Datta, A., Mukhopadhyay, A.	Effect of air flow distribution on soot formation and radiative heat transfer in a model liquid fuel spray	International Journal of Heat and Mass Transfer	74			143	155	

		combustor firing kerosene							
2014	Mandal, B., Das, G.C., Das, S., Banerjee, S.	Improving grinding fluid delivery using pneumatic barrier and compound nozzle	Production Engineering	8	02-Jan		187	193	
2014	Joardar, H., Das, N.S., Sutradhar, G., Singh, S.	Application of response surface methodology for determining cutting force model in turning of LM6/SiCP metal matrix composite	Measurement: Journal of the International Measurement Confederation	47	1		452	464	
2014	Jena, S.K., Mahapatra, S.K., Sarkar, A.	Coupled magneto-buoyant convection and radiation in an inclined enclosure: An exhaustive study	International Journal of Numerical Methods for Heat and Fluid Flow	24	1	1710290 5	237	264	
2014	Mandal, N.P., Saha, R., Mookherjee, S., Sanyal, D.	Pressure compensator design for a swash plate axial piston pump	Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME	136	2	21001			
2013	Modak, N., Datta, A., Ganguly, R.	Influence of the microchannel geometry on magnetophoretic separation of functionalized magnetic beads in a microfluidic sorter and field flow fractionation device	Magneto hydrodynamics	49	04-Mar		391	396	
2013	Das, K., Sarkar, M., Mukhopadhyay, A., Ganguly, R.	Transient response of a ferrofluid plug-driven micropump	Magneto hydrodynamics	49	04-Mar		499	504	
2013	Sahoo, B., Panda, L.N., Pohit, G.	Parametric and internal resonances of an axially moving beam with time-dependent velocity	Modelling and Simulation in Engineering	2013		919517			
2013	Aich, U., Banerjee, S.	Modeling of EDM	Applied Mathematical						

		responses by support vector machine regression with parameters selected by particle swarm optimization	Modelling						
2013	Loha, C., Chattopadhyay, H., Chatterjee, P.K.	Euler-Euler CFD modeling of fluidized bed: Influence of specular coefficient on hydrodynamic behavior	Particuology	11	6		673	680	
2013	Samantaray, S., Mahapatra, S.K., Jena, S.K., Sarkar, A.	Transient mixed convection coupled with surface radiation inside a square cavity with different configurations- A critical study	International Journal of Fluid Mechanics Research	40	6		545	563	
2013	Ghosh, A., Chattopadhyay, H.	Mathematical modeling of moving heat source shape for submerged arc welding process	International Journal of Advanced Manufacturing Technology	69	12-Sep		2691	2701	
2013	Roy, S., Sahoo, P.	Tribological performance optimization of electroless Ni-P-W coating using weighted principal component analysis	Tribology in Industry	35	4		297	307	
2013	Wongwises, S., Ghajar, A.J., Chau, K.-W., GarcÃa Valladares, O., Kundu, B., Selim DalkiliÅ, A., Asirvatham Lazarus, G.	Two-phase flow and heat transfer enhancement	Advances in Mechanical Engineering	2013		256839			
2013	Jena, S.K., Mahapatra, S.K., Sarkar, A.	Interaction of Participating Medium Radiation With	Heat Transfer - Asian Research						

		Thermosolutal Convection-A Critical Appraisal							
2013	Nixon, J.D., Wright, D.G., Dey, P.K., Ghosh, S.K., Davies, P.A.	A comparative assessment of waste incinerators in the UK	Waste Management	33	11		2234	2244	
2013	Aich, U., Bandyopadhyay, A., Banerjee, S.	A state of the art - Review on Abrasive water jet machining process	International Review of Mechanical Engineering	7	7		1471	1494	
2013	Sarkar, B.K., Mandal, P., Saha, R., Mookherjee, S., Sanyal, D.	GA-optimized feedforward-PID tracking control for a rugged electrohydraulic system design	ISA Transactions	52	6		853	861	
2013	Mahapatra, P.S., Manna, N.K., Ghosh, K.	Hydrodynamic and thermal interactions of a cluster of solid particles in a pool of liquid of different Prandtl numbers using two-fluid model	Heat and Mass Transfer/Waerme- und Stoffuebertragung	49	11		1659	1679	
2013	Mitra, A., Sahoo, P., Saha, K.	Forced vibration analysis of cross-stiffened plates with simply supported boundary condition	Advances in Vibration Engineering	12	3		303	310	
2013	Nandi, T.K., Chattopadhyay, H.	Numerical investigations of simultaneously developing flow in wavy microchannels under pulsating inlet flow condition	International Communications in Heat and Mass Transfer	47			27	31	
2013	Ghosh, A., Barman, N., Chattopadhyay, H., Bag, S.	Modelling of heat transfer in submerged arc welding process	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of	227	10		1467	1473	

			Engineering Manufacture						
2013	Sinha, A., Bose, S., Nandi, A., Neogy, S.	A precessing and nutating beam with a tip mass	Mechanics Research Communications	53			75	84	
2013	Nixon, J.D., Dey, P.K., Ghosh, S.K., Davies, P.A.	Evaluation of options for energy recovery from municipal solid waste in India using the hierarchical analytical network process	Energy	59			215	223	2
2013	Loha, C., Chattopadhyay, H., Chatterjee, P.K.	Effect of coefficient of restitution in Euler-Euler CFD simulation of fluidized-bed hydrodynamics	Particuology						
2013	Mahapatra, S.K., Samantaray, S., Sarkar, A.	Mixed convection and its interaction with surface radiation in a differently heated enclosure: A critical apraisal	Heat Transfer Research	44	6		507	534	
2013	Abhishek, K., Datta, S., Mahapatra, S.S., Mandal, G., Majumdar, G.	Taguchi approach followed by fuzzy linguistic reasoning for quality-productivity optimization in machining operation: A case study	Journal of Manufacturing Technology Management	24	6		929	951	
2013	Chatterjee, S., Samanta, S., Mukhopadhyay, A., Sen, S.	Effect of confinement and prefilming on the stability of an annular liquid sheet	Atomization and Sprays	23	5		401	418	
2013	Samantaray, S., Mahapatra, S.K., Jena, S.K., Sarkar, A.	Transient analysis of mixed convection in a bottom-heated square cavity in the presence of surface radiation	Computational Thermal Sciences	5	5		401	423	

2013	Ghosh, A., Barman, N., Chattopadhyay, H., Hloch, S.	A study of thermal behaviour during submerged arc welding	Strojnicki Vestnik/Journal of Mechanical Engineering	59	5		333	338	
2013	Mahapatra, P.S., De, S., Ghosh, K., Manna, N.K., Mukhopadhyay, A.	Heat transfer enhancement and entropy generation in a square enclosure in the presence of adiabatic and isothermal blocks	Numerical Heat Transfer; Part A: Applications	64	7		577	596	1
2013	Mukhopadhyay, A., Chaudhari, R.R., Paul, T., Sen, S., Ray, A.	Lean blow-out prediction in gas turbine combustors using symbolic time series analysis	Journal of Propulsion and Power	29	4		950	960	1
2013	Loha, C., Chattopadhyay, H., Chatterjee, P.K.	Energy generation from fluidized bed gasification of rice husk	Journal of Renewable and Sustainable Energy	5	4	43111			1
2013	Datta, S., Samantra, C., Mahapatra, S.S., Mandal, G., Majumdar, G.	Appraisal and selection of third party logistics service providers in fuzzy environment	Benchmarking	20	4		537	548	1
2013	Kundu, B., Lee, K.-S.	A non-Fourier analysis for transmitting heat in fins with internal heat generation	International Journal of Heat and Mass Transfer	64			1153	1162	
2013	Sarkar, A., Mukhopadhyay, A.R., Ghosh, S.K.	Issues in Pareto analysis and their resolution	Total Quality Management and Business Excellence	24	06-May		641	651	
2013	Dalkilic, A.S., Kundu, B., Wongwises, S.	An Experimental Investigation of the Reynolds Analogy and its Modifications Applied to Annular Condensation Laminar Flow of R134a in a Vertical Tube	Arabian Journal for Science and Engineering	38	6		1493	1507	2
2013	Tharakan, T.J.,	Trends in	International Journal of	5	2		123	180	

	Mukhopadhyay, A., Datta, A., Jog, M.A.	comprehensive modeling of spray formation	Spray and Combustion Dynamics						
2013	Jena, S.K., Mahapatra, S.K., Sarkar, A.	Thermosolutal convection in a fluid- porous composite medium	Heat Transfer - Asian Research	42	4		281	299	1
2013	Mukherjee, S., Sen, S., Chanda, A.	Mechanical and in-vitro performance of CNT reinforced hydroxyapatite prepared by a shear mixing method	Journal of Nanomedicine and Nanotechnology	4	3				
2013	Barman, D., Goswami, D., Kundu, B.	An optimum longitudinal wet fin without the "length-of- arc" assumption	HVAC and R Research	19	4		444	456	
2013	Kundu, B., Lee, K.-S.	The effect of arc length on the least-volume fin under sensible and latent heat loads	International Journal of Heat and Mass Transfer	63			414	424	
2013	Jena, S.K., Mahapatra, S.K., Sarkar, A.	Magnetoconvection of an electrically conducting fluid in an annular space between two isothermal concentric squares	Heat Transfer Research	44	2		195	214	
2013	Jena, S.K., Mahapatra, S.K., Sarkar, A.	Double diffusive buoyancy opposed natural convection in a porous cavity having partially active vertical walls	International Journal of Heat and Mass Transfer	62	1		805	817	2
2013	Dey, S., Karmakar, A.	A comparative study on free vibration analysis of delaminated torsion stiff and bending stiff composite shells	Journal of Mechanical Science and Technology	27	4		963	972	

2013	Sarkar, B.K., Das, J., Saha, R., Mookherjee, S., Sanyal, D.	Approaching servoclass tracking performance by a proportional valve-controlled system	IEEE/ASME Transactions on Mechatronics	18	4	6494307	1425	1430	1
2013	Sapkal, S.U., Laha, D.	A heuristic for no-wait flow shop scheduling	International Journal of Advanced Manufacturing Technology	68	08-May		1327	1338	
2013	Chatterjee, B., Sahoo, P.	Shakedown behavior in multiple normal loading-unloading of an elastic-plastic spherical stick contact	Tribology in Industry	35	1		3	18	1
2013	Bhowmik, S., Acharyya, S.K., Sahoo, P., Dhar, S., Chattopadhyay, J.	Estimation and comparative study of JIC using different methods for 20MnMoNi55 steel	Materials and Design	46			680	687	1
2013	Simlandi, S., Barman, N., Chattopadhyay, H.	Studies on Transport Phenomena during Continuous Casting of an Al-Alloy in Presence of Electromagnetic Stirring	Transactions of the Indian Institute of Metals	66	2		141	146	
2013	Mondal, S., Paul, C.P., Kukreja, L.M., Bandyopadhyay, A., Pal, P.K.	Application of Taguchi-based gray relational analysis for evaluating the optimal laser cladding parameters for AISI1040 steel plane surface	International Journal of Advanced Manufacturing Technology	66	04-Jan		91	96	
2013	Jena, S.K., Mahapatra, S.K., Sarkar, A.	Thermosolutal Convection in a Rectangular Concentric Annulus: A Comprehensive Study	Transport in Porous Media	98	1		103	124	2
2013	Chaudhari, R.R., Sahu, R.P., Ghosh, S., Mukhopadhyay, A.,	Flame color as a lean blowout predictor	International Journal of Spray and Combustion Dynamics	5	1		49	66	

	Sen, S.								
2013	Chaterjee, S., Pohit, G.	Dynamics of nonlinearly damped microcantilevers under electrostatic excitation	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	227	3		630	646	
2013	Dey, S., Karmakar, A.	Dynamic analysis of delaminated composite conical shells under low velocity impact	Journal of Reinforced Plastics and Composites	32	6		380	392	
2013	Sarkar, S.A., Mukhopadhyay, A.R., Ghosh, S.K.	Root cause analysis, Lean Six Sigma and test of hypothesis	TQM Journal	25	2	1707810 1	170	185	
2013	Mukherjee, U., Chakraborty, J., Chakraborty, S.	Relaxation characteristics of a compliant microfluidic channel under electroosmotic flow	Soft Matter	9	5		1562	1569	
2013	Singh, A., Datta, S., Mahapatra, S.S., Singha, T., Majumdar, G.	Optimization of bead geometry of submerged arc weld using fuzzy based desirability function approach	Journal of Intelligent Manufacturing	24	1		35	44	2
2013	Banerjee, T., Sen, R.S., Oraon, B., Majumdar, G.	Predicting electroless Ni-Co-P coating using response surface method	International Journal of Advanced Manufacturing Technology	64	12-Sep		1729	1736	
2013	Dey, S., Karmakar, A.	Free vibration characteristics of multiple delaminated cross-ply composite conical shells	International Journal of Computational Methods in Engineering Science and Mechanics	14	2		168	174	
2013	Mitra, A., Sahoo, P., Saha, K.	Effect of in-plane boundary conditions on forced vibration analysis of stiffened plates with a free edge	JVC/Journal of Vibration and Control	19	2		234	261	

2013	Puri, A.B., Banerjee, S.	Multiple-response optimisation of electrochemical grinding characteristics through response surface methodology	International Journal of Advanced Manufacturing Technology	64	08-May		715	725	3
2013	Sinha, A., Ashoke Raman, K., Chattopadhyay, H., Biswas, G.	Effects of different orientations of winglet arrays on the performance of plate-fin heat exchangers	International Journal of Heat and Mass Transfer	57	1		202	214	2
2013	Roy, P.C., Datta, A., Chakraborty, N.	An assessment of different biomass feedstocks in a downdraft gasifier for engine application	Fuel	106			864	868	2
2013	Kundu, B., Lee, K.-S., Aziz, A.	Unique analysis for cascaded rectangular-triangular fins with convection-radiation transport	Journal of Thermophysics and Heat Transfer	27	1		101	110	
2013	Das, P., Samanta, S.K., Chattopadhyay, H., Sharma, B.B., Dutta, P.	Eulerian two-phase flow simulation and experimental validation of semisolid slurry generation process using cooling slope	Materials Science and Technology (United Kingdom)	29	1		83	92	3
2013	Roy, T.K., Mukhopadhyay, A.R., Ghosh, S.K., Majumder, G.	Estimation of noise of a moving passenger car	Indian Journal of Environmental Protection	33	6		459	464	
2012	Roy, S., Sahoo, P.	Corrosion study of electroless Ni-P-W coatings using electrochemical impedance spectroscopy	Portugaliae Electrochimica Acta	30	3		203	220	
2012	Majumder, S., Saha,	Investigation of the	International Journal of	7	12		1391	1405	

	D., Das, P.	penetration capability of an axi-symmetric cross jet in a turbulent fluid flow through a circular pipe	Applied Engineering Research						
2012	Das, S.K., Sahoo, P.	Influence of process parameters on microhardness of electroless Ni-B coatings	Advances in Mechanical Engineering	2012		703168			1
2012	Roy, S., Sahoo, P.	Multiple roughness characteristics of chemically deposited Ni-P-W coatings	Tribology in Industry	34	4		186	197	2
2012	Datta, S., Samantra, C., Mahapatra, S.S., Banerjee, S., Bandyopadhyay, A.	Green supplier evaluation and selection using VIKOR method embedded in fuzzy expert system with interval-valued fuzzy numbers	International Journal of Procurement Management	5	5		647	678	
2012	Chaterjee, S., Pohit, G.	Squeeze-film damping characteristics of cantilever microresonators under large electrostatic loading	Mechanics of Advanced Materials and Structures	19	8		613	624	1
2012	Kundu, B., Bhanja, D., Lee, K.-S.	A model on the basis of analytics for computing maximum heat transfer in porous fins	International Journal of Heat and Mass Transfer	55	25-26		7611	7622	6
2012	Deb, A., Ganguly, A., Sarkar, G., Biswas, A.	Numerical solution of third order linear differential equations using generalized one-shot operational matrices in orthogonal hybrid function domain	Applied Mathematics and Computation	219	4		1485	1514	1
2012	Mansouri Majoumerd,	An EU initiative for	Applied Energy	99			280	290	7

	M., De, S., Assadi, M., Breuhaus, P.	future generation of IGCC power plants using hydrogen-rich syngas: Simulation results for the baseline configuration							
2012	Kundu, B., Lee, K.-S.	Fourier and non-Fourier heat conduction analysis in the absorber plates of a flat-plate solar collector	Solar Energy	86	10		3030	3039	2
2012	Das, D., Sahoo, P., Saha, K.	A numerical analysis of large amplitude beam vibration under different boundary conditions and excitation patterns	JVC/Journal of Vibration and Control	18	12		1900	1915	2
2012	Das, P., Samanta, S.K., Chattopadhyay, H., Dutta, P.	Effect of pouring temperature on cooling slope casting of semi-solid Al-Si-Mg alloy	Acta Metallurgica Sinica (English Letters)	25	5		329	339	2
2012	Dey, S., Karmakar, A.	Effect of location of delamination on free vibration of cross-ply conical shells	Shock and Vibration	19	4		679	692	
2012	Nandi, A., Neogy, S., Bhaduri, S., Irretier, H.	Vibration attenuation by a combination of a piezoelectric stack and a permanent magnet	Shock and Vibration	19	4		719	734	1
2012	Bhattacharya, S., Bar, A.K., Roy, D., Graca, M.P.F., Valente, M.A.	Electrical conductivity of zincmolybdate glass-nanocomposites	Advanced Science Letters	16	1		399	402	1
2012	Dey, S., Karmakar, A.	Natural frequencies of delaminated composite rotating conical shells - A finite element approach	Finite Elements in Analysis and Design	56			41	51	3
2012	Dey, S., Karmakar, A.	Finite element analysis	Journal of Mechanics of	7	2		213	224	

		of bending-stiff composite conical shells with multiple delamination	Materials and Structures						
2012	Rudrapati, R., Pal, P.K., Bandyopadhyay, A.	Modelling for surface roughness in cylindrical grinding	International Journal of Machining and Machinability of Materials	12	02-Jan		28	36	
2012	Behera, R., Sutradhar, G.	Solidification characteristics and forgeability of aluminium alloy metal matrix composites	Transactions of the Indian Institute of Metals	65	4		355	363	
2012	Kundu, B., Lee, K.-S.	Shape optimization for the minimum volume of pin fins in simultaneous heat and mass transfer environments	Heat and Mass Transfer/Waerme- und Stoffuebertragung	48	8		1333	1343	1
2012	Hansda, S., Banerjee, S.	Multiple performance characteristics optimisation in drilling of glass fibre reinforced polyester composite at different weightage of performance by Grey relational analysis	International Journal of Machining and Machinability of Materials	12	02-Jan		17	27	
2012	Bhowmik, S., Sahoo, P., Acharyya, S.K., Chattopadhyay, J., Dhar, S.	Application and comparative study of the master curve methodology for fracture toughness characterization of 20MnMoNi55 steel	Materials and Design	39			309	317	2
2012	Kundu, B., Lee, K.-S.	A novel analysis for calculating the smallest envelope shape of wet fins with a nonlinear mode of surface	Energy	44	1		527	543	3

		transport							
2012	Kundu, B., Lee, K.-S., Campo, A.	Exact and approximate analytic methods to calculate maximum heat flow in annular fin arrays with a rectangular step profile	International Journal of Thermophysics	33	7		1314	1333	
2012	Acherjee, B., Kuar, A.S., Mitra, S., Misra, D., Acharyya, S.	Experimental investigation on laser transmission welding of PMMA to ABS via response surface modeling	Optics and Laser Technology	44	5		1372	1383	3
2012	Venkadeshwaran, K., Das, S., Misra, D.	Bend angle prediction and parameter optimisation of laser bending of stainless steel using FEM and RSM	International Journal of Mechatronics and Manufacturing Systems	5	04-Mar		308	321	
2012	Chaki, S., Ghosal, S., Bathe, R.N.	Kerf quality prediction and optimisation for pulsed Nd:YAG laser cutting of aluminium alloy sheets using GA-ANN hybrid model	International Journal of Mechatronics and Manufacturing Systems	5	04-Mar		263	279	
2012	Loha, C., Chattopadhyay, H., Chatterjee, P.K.	Assessment of drag models in simulating bubbling fluidized bed hydrodynamics	Chemical Engineering Science	75			400	407	6
2012	Paul, S.K., Sivaprasad, S., Dhar, S., Tarafder, S.	True stress-controlled ratcheting behavior of 304LN stainless steel	Journal of Materials Science	47	11		4660	4672	1
2012	Pohit, G., Kumar, K.	Virtual manufacturing of various types of gears and validation of the technique using rapid prototype: A method to simulate gear	Virtual and Physical Prototyping	7	2		153	171	

		manufacturing process with chip formation and a method to validate the simulation by using rapid prototyping techniques are presented in this paper							
2012	Mahapatra, S.K., Samantaray, S., Sarkar, A.	Role of Prandtl number in the interaction phenomenon of surface radiation with an opposing mixed convection within a differential heated cavity	Heat Transfer - Asian Research	41	4		318	338	
2012	Dey, S., Karmakar, A.	Free vibration analyses of multiple delaminated angle-ply composite conical shells - A finite element approach	Composite Structures	94	7		2188	2196	2
2012	Kundu, B., Lee, K.-S.	Analytic solution for heat transfer of wet fins on account of all nonlinearity effects	Energy	41	1		354	367	5
2012	Chatterjee, B., Sahoo, P.	Effect of strain hardening on elastic-plastic contact of a deformable sphere against a rigid flat under full stick contact condition	Advances in Tribology			472794			2
2012	Mandal, N.P., Saha, R., Sanyal, D.	Effects of flow inertia modelling and valve-plate geometry on swash-plate axial-piston pump performance	Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering	226	4		451	465	2
2012	Jha, D.K., Das, S.,	Detection of higher	International Journal of	40	2		146	159	

	Nandi, A., Neogy, S.	harmonics in a slider crank mechanism of variable obliquity ratio and its use in the determination of displacement transmissibility	Mechanical Engineering Education							
2012	Nandi, A., Neogy, S., Bhaduri, S., Irretier, H.	A combination of a piezoelectric vibrator and a permanent magnet for non-contact positive and negative damping of a beam	International Journal of Mechanical Engineering Education	40	2		160	168		
2012	Kundu, B., Lee, K.-S.	Optimized envelope shape of wet fins for nonlinear heat and mass transport	Journal of Thermophysics and Heat Transfer	26	2		357	366	4	
2012	Kundu, B., Wongwises, S.	A decomposition analysis on convectingradiating rectangular plate fins for variable thermal conductivity and heat transfer coefficient	Journal of the Franklin Institute	349	3		966	984	2	
2012	Shit, J., Dhar, S., Acharyya, S.K., Goyal, S.	Modeling of uniaxial ratchetting behavior of SA333 carbon manganese steel	International Journal of Pressure Vessels and Piping	92			96	105	1	
2012	Mitra, A., Sahoo, P., Saha, K.	Large-amplitude dynamic analysis of stiffened plates with free edges	Journal of Mechanics of Materials and Structures	6	6		883	914		
2012	Biswas, N., Kumar Manna, N., Mukhopadhyay, A., Sen, S.	Numerical simulation of laminar confined radial flow between parallel circular discs	Journal of Fluids Engineering, Transactions of the ASME	134	1	11205				
2012	Roy, T.K., Mukhopadhyay, A.R.,	Influence of honking on the noisier situation (L	Noise Control Engineering Journal	60	2		132	136	1	

	Ghosh, S.K., Majumder, G.	10)							
2012	Mukhopadhyay, A., Sanyal, D.	Modeling of evaporation and combustion of droplets in a spray using the unit cell approach: A review	Heat Transfer Engineering	33	05-Apr		375	386	
2012	Mukhopadhyay, A., Jasor, G., Polifke, W.	Simulation of pure sedimentation of raindrops using quadrature method of moments	Atmospheric Research	106			61	70	1
2012	Mahapatra, S.K., Dandapat, B.K., Sarkar, A.	Radiation transfer in participating medium interacting with variable property natural convection subjected to collimated/diffused irradiation at boundary- A critical appraisal	Heat Transfer - Asian Research	41	2		164	178	
2012	Huang, B.X., Chanda, A., Steinbrech, R.W., Malzbender, J.	Indentation strength method to determine the fracture toughness of La _{0.58} Sr _{0.4} Co _{0.2} Fe 0.8O _{3-\hat{r}} and Ba _{0.5} Sr 0.5Co _{0.8} Fe _{0.2} O _{3-\hat{r}}	Journal of Materials Science	47	6		2695	2699	3
2012	Biswas, G., Chattopadhyay, H., Sinha, A.	Augmentation of heat transfer by creation of streamwise longitudinal vortices using vortex generators	Heat Transfer Engineering	33	05-Apr		406	424	5
2012	Barman, N.S., Ghosh, S., De, S.	Gasification of biomass in a fixed bed downdraft gasifier - A realistic model including tar	Bioresource Technology	107			505	511	17
2012	Das, T., Mahata, C., Mallik, S., Varma, S., Sutradhar, G., Bose,	Interface properties of mixed (TiO ₂) _{1-x} (Y ₂ O ₃) _x and (Ta ₂ O ₅) _{1-x} (Y	Journal of the Electrochemical Society	159	3		H323	H328	1

	P.K., Maiti, C.K.	2O 3) x (0 x x 1) gate dielectrics on sulfur-passivated GaAs								
2012	Behera, R., Sutradhar, G.	Machinability of LM6/SiCp metal matrix composites with tungsten carbide cutting tool inserts	ARN Journal of Engineering and Applied Sciences	7	2		216	221		
2012	Naskar, T.K., Mishra, R.	Introduction of control points in B-splines for synthesis of ping finite optimized cam motion program	Journal of Mechanical Science and Technology	26	2		489	494		
2012	Mondal, S., Mukhopadhyay, A., Sen, S.	Effects of inlet conditions on dynamics of a thermal pulse combustor	Combustion Theory and Modelling	16	1		59	74	3	
2012	Balasubramanian, G., Sen, S., Puri, I.K.	Shear viscosity enhancement in water-nanoparticle suspensions	Physics Letters, Section A: General, Atomic and Solid State Physics	376	07-Jun		860	863		
2012	Das, T., Mahata, C., Maiti, C.K., Dalapati, G.K., Chia, C.K., Chi, D.Z., Chiam, S.Y., Seng, H.L., Tan, C.C., Hui, H.K., Sutradhar, G., Bose, P.K.	Sputter-deposited La 2O 3 on p-GaAs for gate dielectric applications	Journal of the Electrochemical Society	159	2		G15	G22	5	
2012	Mitra, A., Sahoo, P., Saha, K.	Large displacement of crossbeam structure through energy method	International Journal of Automotive and Mechanical Engineering	5	1		520	544		
2012	Deb, A., Sarkar, G., Mandal, P., Biswas, A., Ganguly, A., Biswas, D.	Transfer function identification from impulse response via a new set of orthogonal hybrid functions (HF)	Applied Mathematics and Computation	218	9		4760	4787	4	
2012	Chattopadhyay, H., Kundu, A., Saha, B.K.,	Analysis of flow structure inside a spool	Energy Conversion and Management	53	1		196	204	5	

	Gangopadhyay, T.	type pressure regulating valve							
2012	Deb, A., Sarkar, G., Ganguly, A., Biswas, A.	Approximation, integration and differentiation of time functions using a set of orthogonal hybrid functions (HF) and their application to solution of first order differential equations	Applied Mathematics and Computation	218	9		4731	4759	3
2012	Das, D., Sahoo, P., Saha, K.	Dynamic analysis of rotating annular disk of variable thickness under uniform axial pressure	International Journal of Computational Methods in Engineering Science and Mechanics	13	1		37	59	
2012	Bhanja, D., Kundu, B.	Radiation effect on optimum design analysis of a constructal T-shaped fin with variable thermal conductivity	Heat and Mass Transfer/Waerme- und Stoffuebertragung	48	1		109	122	1
2011	Chatterjee, B., Sahoo, P.	Elastic-plastic contact of a deformable sphere against a rigid flat for varying material properties under full stick contact condition	Tribology in Industry	33	4		164	172	3
2011	Mandal, S.K., Chattopadhyay, H.	Studies on swirl hole nozzle using ANOVAY	International Journal of Fluid Mechanics Research	38	6		509	521	
2011	Sarkar, A., Mukhopadhyay, A.R., Ghosh, S.K.	Comparison of performance appraisal score: A modified methodology	Research and Practice in Human Resource Management	19	2		92	100	1
2011	Nath, S., Datta, A., Mukhopadhyay, A., Sen, S., Tharakan, T.J.	Prediction of size and velocity distributions in sprays formed by the breakup of planar liquid	Atomization and Sprays	21	6		483	501	3

		sheets using maximum entropy formalism							
2011	Mandal, D.K., Manna, N.K., Bandyopadhyay, S., Biswas, B.P., Chakrabarti, S.	A numerical study on the performance of a sudden expansion with multisteps as a diffuser	International Journal of Applied Mechanics	3	4		779	802	
2011	Das, S.K., Sahoo, P.	Electrochemical impedance spectroscopy of Ni-B coatings and optimization by Taguchi method and grey relational analysis	Portugaliae Electrochimica Acta	29	4		211	231	3
2011	Lipinska-Chwalek, M., Malzbender, J., Chanda, A., Baumann, S., Steinbrech, R.W.	Mechanical characterization of porous Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-d}	Journal of the European Ceramic Society	31	15		2997	3002	9
2011	Das, S.K., Sahoo, P.	Characterization of friction behaviour of electroless Ni-B coatings and optimization of coating parameters	Journal of Manufacturing Technology Research	3	02-Jan		55	73	
2011	Kundu, B., Lee, K.-S.	Thermal design of an orthotropic flat fin in fin-and-tube heat exchangers operating in dry and wet environments	International Journal of Heat and Mass Transfer	54	25-26		5207	5215	4
2011	Das, S.K., Sahoo, P.	Fractal characterisation of electroless Ni-B coating and optimisation of coating parameters	International Journal of Computational Materials Science and Surface Engineering	4	4		326	346	
2011	Pal, S., Datta, A., Sen, S., Mukhopdhyay, A., Bandopadhyay, K.,	Characterization of a ferrofluid-based thermomagnetic pump	Journal of Magnetism and Magnetic Materials	323	21		2701	2709	3

	Ganguly, R.	for microfluidic applications							
2011	Paul, S.K., Sivaprasad, S., Dhar, S., Tarafder, S.	Key issues in cyclic plastic deformation: Experimentation	Mechanics of Materials	43	11		705	720	13
2011	Mukherjee, K., Sarkar, B., Bhattacharya, A.	Comments on the erratum to "supply planning model for remanufacturing system in reverse logistics environment" [Comput. Ind. Eng. 51 (2006) 279-287]	Computers and Industrial Engineering	61	4		1349	1350	
2011	Kundu, B., Simlandi, S., Das, P.K.	Analytical techniques for analysis of fully developed laminar flow through rectangular channels	Heat and Mass Transfer/Waerme- und Stoffuebertragung	47	10		1289	1299	1
2011	Benim, A.C., Chattopadhyay, H., Nahavandi, A.	Computational analysis of turbulent forced convection in a channel with a triangular prism	International Journal of Thermal Sciences	50	10		1973	1983	
2011	Kundu, B., Lee, K.-S.	Decomposition method for thermal design analysis of vertical straight fins under condensation of quiescent and flowing steam	Heat and Mass Transfer/Waerme- und Stoffuebertragung	47	10		1261	1274	
2011	Roy, T.K., Mukhopadhyay, A.R., Ghosh, S.K., Majumder, G.	Assessment of noise environment during construction of a major bridge and associated approach road.	Journal of environmental science & engineering	53	4		483	486	
2011	Chaudhuri, D., Mukhopadhyay, A.R., Ghosh, S.K.	Assessment of engineering colleges through application of the Six Sigma metrics in	International Journal of Quality and Reliability Management	28	9		969	1002	1

		a State of India							
2011	Paul, S.K., Sivaprasad, S., Dhar, S., Tarafder, S.	Cyclic plastic deformation behavior in SA333 Gr. 6 C-Mn steel	Materials Science and Engineering A	528	24		7341	7349	9
2011	Mandal, B., Singh, R., Das, S., Banerjee, S.	Improving grinding performance by controlling air flow around a grinding wheel	International Journal of Machine Tools and Manufacture	51	9		670	676	4
2011	Kunze, C., De, S., Spliethoff, H.	A novel IGCC plant with membrane oxygen separation and carbon capture by carbonation-calcinations loop	International Journal of Greenhouse Gas Control	5	5		1176	1183	8
2011	Chattopadhyay, H., Cemal Benim, A.	Turbulent heat transfer over a moving surface due to impinging slot jets	Journal of Heat Transfer	133	10	104502			2
2011	Bhowmik, S., Chattopadhyay, A., Bose, T., Acharyya, S.K., Sahoo, P., Chattopadhyay, J., Dhar, S.	Estimation of fracture toughness of 20MnMoNi55 steel in the ductile to brittle transition region using master curve method	Nuclear Engineering and Design	241	8		2831	2838	1
2011	Patra, S.N., Ghosh, K., Panja, S.C.	Time variation analysis of the daily Forbush decrease indices	Astrophysics and Space Science	334	2		317	323	2
2011	Samanta, S.K., Chattopadhyay, H., Godkhindi, M.M.	Modelling the powder-binder separation in injection stage of PIM	Progress in Computational Fluid Dynamics	11	5		292	304	2
2011	Sarkar, A., Mukhopadhyay, A.R., Ghosh, S.K.	Improvement of service quality by reducing waiting time for service	Simulation Modelling Practice and Theory	19	7		1689	1698	2
2011	Mandal, D.K., Manna, N.K., Chakrabarti, S.	Influence of different bell-shaped stenoses on the progression of the disease, atherosclerosis	Journal of Mechanical Science and Technology	25	8		1933	1947	
2011	Ghosh, S., Mukhopadhyay, D.,	An experimental analysis of subcooled	International Journal of Pressure Vessels and	88	09-Aug		281	289	

	Saha, S.K.	leakage flow through slits from high pressure high temperature pipelines	Piping						
2011	Bhattacharjee, S., Debnath, R., Roy, D., Majumder, S.	An experimental study on turbulent air flow through a two dimensional rectangular diffuser	Journal of the Institution of Engineers (India): Mechanical Engineering Division	92	JULY		3	7	
2011	Chattopadhyay, H.	Estimation of solidification time in investment casting process	International Journal of Advanced Manufacturing Technology	55	04-Jan		35	38	2
2011	Loha, C., Chattopadhyay, H., Chatterjee, P.K.	Thermodynamic analysis of hydrogen rich synthetic gas generation from fluidized bed gasification of rice husk	Energy	36	7		4063	4071	9
2011	Mitra, A., Sahoo, P., Saha, K.	A multi asperity model of contact between a smooth sphere and a rough flat surface in presence of adhesion	Tribology in Industry	33	1		3	10	2
2011	Paul, S.K., Sivaprasad, S., Dhar, S., Tarafder, S.	Cyclic plastic deformation and damage in 304LN stainless steel	Materials Science and Engineering A	528	15		4873	4882	10
2011	Kundu, B., Lee, K.-S.	Optimum configurations of vertical fins under condensation of saturated vapor	International Journal of Refrigeration	34	4		1048	1056	3
2011	Chaki, S., Ghosal, S.	Application of an optimized SA-ANN hybrid model for parametric modeling and optimization of LASOX cutting of mild	Production Engineering	5	3		251	262	6

		steel							
2011	Kundu, B., Barman, D.	An analytical prediction for performance and optimization of an annular fin assembly of trapezoidal profile under dehumidifying conditions	Energy	36	5		2572	2588	10
2011	Singh, A., Datta, S., Mahapatra, S.S., Singha, T., Majumdar, G.	Optimization of bead geometry of submerged arc weld using fuzzy based desirability function approach	Journal of Intelligent Manufacturing				1	10	3
2011	Nandi, A., Neogy, S., Bhaduri, S.	Analysis of a Lorentz force based vibration exciter using permanent magnets mounted on a piezoelectric stack	Sadhana - Academy Proceedings in Engineering Sciences				1	21	
2011	Bhattacharya, S., Kar, T., Bar, A.K., Roy, D., Graca, M.P.F., Valente, M.A.	Structural behaviors and optical properties of semiconducting zinc-molybdate glass nanocomposites	Science of Advanced Materials	3	2		284	288	7
2011	Nandi, A., Neogy, S.	Derivation of Euler's equation from equilibrium of applied and inertia moments	International Journal of Mechanical Engineering Education	39	2		95	100	
2011	Sahoo, P., Das, S.K.	Tribology of electroless nickel coatings - A review	Materials and Design	32	4		1760	1775	51
2011	Das, S.K., Sahoo, P.	Tribological characteristics of electroless Ni-B coating and optimization of coating parameters using Taguchi based grey relational analysis	Materials and Design	32	4		2228	2238	14
2011	Laha, D., Chakravorty,	A new heuristic for	International Journal of	53	12-Sep		1189	1197	3

	A.	minimizing total completion time objective in permutation flow shop scheduling	Advanced Manufacturing Technology						
2011	Das, S.K., Sahoo, P.	A parametric investigation of the friction performance of electroless Ni-B coatings	Lubrication Science	23	2		81	97	6
2011	Paul, S.K., Sivaprasad, S., Dhar, S., Tarafder, S.	Ratcheting and low cycle fatigue behavior of SA333 steel and their life prediction	Journal of Nuclear Materials	401	03-Jan		17	24	24
2011	Loha, C., Chatterjee, P.K., Chattopadhyay, H.	Performance of fluidized bed steam gasification of biomass - Modeling and experiment	Energy Conversion and Management	52	3		1583	1588	16
2011	Kalyan Das, S., Sahoo, P.	Optimisation of tribological performance of electroless Ni-B coating using Taguchi method and grey relational analysis	Tribology - Materials, Surfaces and Interfaces	5	1		16	24	
2011	Chanda, A., Huang, B.X., Malzbender, J., Steinbrech, R.W.	Micro- and macro-indentation behaviour of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-d} perovskite	Journal of the European Ceramic Society	31	3		401	408	5
2011	NANDI, A., NEOGY, S., BHADURI, S.	Analysis of a Lorentz force based vibration exciter using permanent magnets mounted on a piezoelectric stack	Sadhana - Academy Proceedings in Engineering Sciences	36	1		87	107	
2011	Das, T., Mahata, C., Maiti, C.K., Miranda, E., Sutradhar, G., Bose, P.K.	Effects of Ti incorporation on the interface properties and band alignment of	Applied Physics Letters	98	2	22901			6

		HfTaOx thin films on sulfur passivated GaAs							
2011	Banerjee, S., Mukhopadhyay, A., Sen, S., Ganguly, R.	The effects of magnetization saturation on thermomagnetic convection in a locally heated square enclosure	Numerical Heat Transfer; Part A: Applications	59	9		693	718	2
2011	Kundu, B., Bhanja, D.	An analytical prediction for performance and optimum design analysis of porous fins	International Journal of Refrigeration	34	1		337	352	12
2011	Acherjee, B., Misra, D., Bose, D., Acharyya, S.	Optimal process design for laser transmission welding of acrylics using desirability function analysis and overlay contour plots	International Journal of Manufacturing Research	6	1		49	61	4
2010	Bhattacharya, S., Bar, A.Kr., Roy, D., Graca, M.P.F., Valente, M.A.	Fractal dimensionality of ion conduction in glass-nanocomposites	Materials Physics and Mechanics	10	02-Jan		56	61	1
2010	Modak, N., Datta, A., Ganguly, R.	Numerical analysis of transport and binding of a target analyte and functionalized magnetic microspheres in a microfluidic immunoassay	Journal of Physics D: Applied Physics	43	48	485002			5
2010	Das, S.K., Sahoo, P.	Wear performance optimization of electroless Ni-B coating using Taguchi design of experiments	Tribology in Industry	32	4		17	27	7
2010	De, S.	Second law based methods for improvement of energy systems - economics	International Journal of Energy, Environment and Economics	18	02-Jan		95	105	

		and environmental impacts: A brief overview							
2010	Das, T., Mahata, C., Dalapati, G.K., Chi, D.Z., Sutradhar, G., Bose, P.K., Chia, C.K., Chiam, S.Y., Pan, J.S., Zhang, Z., Maiti, C.K.	Thermal stability of HfOxNy gate dielectrics on p-GaAs substrates	Semiconductor Science and Technology	25	12	125009			2
2010	Majumder, S., Sanyal, D.	Relaminarization of axisymmetric turbulent flow with combined axial jet and side injection in a pipe	Journal of Fluids Engineering, Transactions of the ASME	132	10	101101			
2010	Bhattacharya, S., Roy, D., Graca, M.P.F., Valente, M.A., Bar, A.K.	Dielectric behavior of iodomolybdate glass-nanocomposites	Advanced Science Letters	3	4		523	526	1
2010	Sahoo, P., Mitra, A., Saha, K.	Adhesive contact of curved surfaces	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	224	5		439	451	1
2010	Nath, S., Mukhopadhyay, A., Datta, A., Sen, S., Tharakan, T.J.	Influence of gas velocity on breakup of planar liquid sheets sandwiched between two gas streams	Atomization and Sprays	20	11		983	1003	5
2010	Bhowmick, S., Misra, D., Saha, K.N.	Parametric study of externally loaded rotating discs under shrink fit	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	224	11		2525	2538	
2010	Kundu, B., Mondal, P.K., Datta, S.P., Wongwises, S.	Operating design conditions of a solar-powered vapor absorption cooling	International Communications in Heat and Mass Transfer	37	9		1238	1245	1

		system with an absorber plate having different profiles: An analytical study							
2010	Routara, B.C., Mohanty, S.D., Datta, S., Bandyopadhyay, A., Mahapatra, S.S.	Combined quality loss (CQL) concept in WPCA-based Taguchi philosophy for optimization of multiple surface quality characteristics of UNS C34000 brass in cylindrical grinding	International Journal of Advanced Manufacturing Technology	51	04-Jan		135	143	11
2010	Routara, B.C., Mohanty, S.D., Datta, S., Bandyopadhyay, A., Mahapatra, S.S.	Optimization in CNC end milling of UNS C34000 medium leaded brass with multiple surface roughness characteristics	Sadhana - Academy Proceedings in Engineering Sciences	35	5		619	629	2
2010	Kundu, B., Aziz, A.	Performance of a convectively heated rectangular fin with a step change in cross-sectional area and losing heat by simultaneous convection and radiation (step fins under radiation environment)	Journal of Heat Transfer	132	10		1	6	3
2010	Laha, D., Chakraborty, U.K.	Minimising total flow time in permutation flow shop scheduling using a simulated annealing-based approach	International Journal of Automation and Control	4	4		359	379	2
2010	Banerjee, M.K., Nag, D., Ganguly, R., Datta,	Hemodynamics in stenosed arteries	International Journal of Computational Methods	7	3		397	419	

	A.	effects of stenosis shapes							
2010	Kundu, B.	A new methodology for determination of an optimum fin shape under dehumidifying conditions	International Journal of Refrigeration	33	6		1105	1117	9
2010	Ray, S., Misra, D.	Laminar fully developed flow through square and equilateral triangular ducts with rounded corners subjected to H1 and H2 boundary conditions	International Journal of Thermal Sciences	49	9		1763	1775	6
2010	Mandal, D.K., Manna, N.K., Chakrabarti, S.	Numerical study of blood flow through different double bellshaped stenosed coronary artery during the progression of the disease, atherosclerosis	International Journal of Numerical Methods for Heat and Fluid Flow	20	6		670	698	1
2010	Ramos, H.M., Mello, M., De, P.K.	Clean power in water supply systems as a sustainable solution: From planning to practical implementation	Water Science and Technology: Water Supply	10	1		39	49	9
2010	Sarkar, S., Nandi, A., Neogy, S., Dutt, J.K., Kundra, T.K.	Finite element analysis of misaligned rotors on oil-film bearings	Sadhana - Academy Proceedings in Engineering Sciences	35	1		45	61	8
2010	Chatterjee, B., Sahoo, P.	Effect of strain hardening on unloading of a deformable sphere loaded against a rigid flat - A finite element study	International Journal of Engineering and Technology	2	4		225	233	4
2010	Paul, S.K., Sivaprasad, S., Dhar, S., Tarafder,	Cyclic plastic deformation and cyclic	Theoretical and Applied Fracture Mechanics	54	1		63	70	11

	S.	hardening/softening behavior in 304LN stainless steel							
2010	Mukhopadhyay, A.	Analysis of entropy generation due to natural convection in square enclosures with multiple discrete heat sources	International Communications in Heat and Mass Transfer	37	7		867	872	15
2010	Roy, T.K., Mukhopadhyay, A.R., Ghosh, S.K., Majumder, G.	Honking - Its influence on noise pollution	Indian Journal of Environmental Protection	30	8		653	658	1
2010	Paul, S.K., Sivaprasad, S., Dhar, S., Tarafder, S.	True stress control asymmetric cyclic plastic behavior in SA333 C-Mn steel	International Journal of Pressure Vessels and Piping	87	8		440	446	17
2010	Kundu, B., Barman, D.	Analytical study on design analysis of annular fins under dehumidifying conditions with a polynomial relationship between humidity ratio and saturation temperature	International Journal of Heat and Fluid Flow	31	4		722	733	9
2010	Kundu, B.	Analytic method for thermal performance and optimization of an absorber plate fin having variable thermal conductivity and overall loss coefficient	Applied Energy	87	7		2243	2255	11
2010	Sarkar, S., Ghosh, K., Mitra, S., Bhattacharyya, B.	An integrated approach to optimization of WEDM combining single-pass and multipass cutting	Materials and Manufacturing Processes	25	8		799	807	12

		operation							
2010	Smrekar, J., Pandit, D., Fast, M., Assadi, M., De, S.	Prediction of power output of a coal-fired power plant by artificial neural network	Neural Computing and Applications	19	5		725	740	14
2010	Nandi, A., Neogy, S., Sarkar, S., Irretier, H.	Stability analysis of a lightly damped structure harmonically excited by a one-sided magnetic exciter	Advances in Vibration Engineering	9	3		259	272	
2010	Barua, A., Nandib, A., Neogy, S.	Simulating rotation about a point	International Journal of Mechanical Engineering Education	38	3		233	251	
2010	Santra, A.K., Sen, S., Chakraborty, N.	Particle diameter effect on heat transfer due to natural convection using Cu-water nanofluid - A non-newtonian approach	International Journal of Emerging Multidisciplinary Fluid Sciences	2	03-Feb		205	214	
2010	Nandi, A., Neogy, S.	Performance analysis of a hybrid one-sided magnetic exciter mounted on a piezoelectric stack	Shock and Vibration	17	2		205	215	1
2010	Banerjee, S., Prasad, B.V.S.S.S.	Numerical evaluation of transient thermal loads on a WEDM wire electrode under spatially random multiple discharge conditions with and without clustering of sparks	International Journal of Advanced Manufacturing Technology	48	08-May		571	580	1
2010	Paul, S.K., Sivaprasad, S., Dhar, S., Tarafder, M., Tarafder, S.	Simulation of cyclic plastic deformation response in SA333 C-Mn steel by a kinematic hardening model	Computational Materials Science	48	3		662	671	11

2010	Dutta, A., Dhar, S., Acharyya, S.K.	Material characterization of SS 316 in low-cycle fatigue loading	Journal of Materials Science	45	7		1782	1789	7
2010	Ghosal, S., Chaki, S.	Estimation and optimization of depth of penetration in hybrid CO2 LASER-MIG welding using ANN-optimization hybrid model	International Journal of Advanced Manufacturing Technology	47	12-Sep		1149	1157	9
2010	Naskar, T.K., Acharyya, S.	Measuring cam-follower performance	Mechanism and Machine Theory	45	4		678	691	2
2010	Modak, N., Kejriwal, D., Nandy, K., Datta, A., Ganguly, R.	Experimental and numerical characterization of magnetophoretic separation for MEMS-based biosensor applications	Biomedical Microdevices	12	1		23	34	5
2010	Bose, P.K., Roy, K., Mukhopadhyaya, N., Chakraborty, R.K.	Improved theoretical modeling of a cyclone separator as a diesel soot particulate emission arrester	International Journal of Automotive Technology	11	1		1	10	1
2010	Majumder, S., Roy, D., Das, P.	Experimental determination of the size of the recirculation bubble generated by the flow behind baffles	Journal of the Institution of Engineers (India): Mechanical Engineering Division	90	JANUARY		19	22	
2010	Kundu, B., Bhanja, D.	Performance and optimization analysis of a constructal T-shaped fin subject to variable thermal conductivity and convective heat transfer coefficient	International Journal of Heat and Mass Transfer	53	03-Jan		254	267	28
2010	Nandi, A., Neogy, S., Roy, D.	A simple experiment to demonstrate the effect	International Journal of Mechanical Engineering	38	1		1	8	

		of axial force on natural frequency of transverse vibration of a beam	Education						
2010	Banerjee, S., Mukhopadhyay, A., Sen, S., Ganguly, R.	Effects of the dipole position on thermomagnetic convection in a locally heated shallow enclosure: Thermodynamic and transport analysis	Numerical Heat Transfer; Part A: Applications	57	7		496	519	4
2010	Majumdar, G., Oraon, B., Laha, A., Ghosh, S.K., Mohanty, I., Datta, S.	Developing rules bases on the influence of welding parameters in FCAW process from ANN model	International Journal of Mechatronics and Manufacturing Systems	3	02-Jan		155	164	1
2010	Acharyya, A.K., Chakravorty, D., Karmakar, A.	Natural frequencies and mode shapes of composite cylindrical delaminated shells by finite element	Journal of Reinforced Plastics and Composites	29	2		226	237	1
2010	Ghosh, R., Saha, A., Nandi, A., Neogy, S.	Stability analysis of a flexible spinning and precessing rotor with non-symmetric shaft	JVC/Journal of Vibration and Control	16	1		107	125	4
2010	Das, D., Sahoo, P., Saha, K.	Free vibration analysis of a rotating annular disc under uniform pressure loading	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	224	3		615	634	2
2009	Basu, J., Sarkar, B., Bhattacharya, A.	Technology level in the industrial supply chain: Thermodynamic concept	New Economic Windows	8			147	153	
2009	Sahoo, P., Barman, T.K., Routara, B.C.	Taguchi based fractal dimension modeling of surface profile and	Journal of Manufacturing Technology Research	1	04-Mar		207	229	

		optimization in cylindrical grinding							
2009	Kundu, B.	Approximate analytic solution for performances of wet fins with a polynomial relationship between humidity ratio and temperature	International Journal of Thermal Sciences	48	11		2108	2118	12
2009	Kundu, B.	Approximate analytical method for prediction of performance and optimum dimensions of pin fins subject to condensation of quiescent vapor	International Journal of Refrigeration	32	7		1657	1671	3
2009	Mahata, C., Bera, M.K., Hota, M.K., Das, T., Mallik, S., Majhi, B., Verma, S., Bose, P.K., Maiti, C.K.	High performance TaYOx-based MIM capacitors	Microelectronic Engineering	86	11		2180	2186	7
2009	Datta, S., Nandi, G., Bandyopadhyay, A., Kumar Pal, P.	Application of PCA-based hybrid Taguchi method for correlated multicriteria optimization of submerged arc weld: A case study	International Journal of Advanced Manufacturing Technology	45	04-Mar		276	286	18
2009	Das, D., Sahoo, P., Saha, K.	Dynamic analysis of non-uniform taper bars in post-elastic regime under body force loading	Applied Mathematical Modelling	33	11		4163	4183	3
2009	Basu, B., Bandyapadhyay, S.	Zipf's law and distribution of population in Indian cities	Indian Journal of Physics	83	11		1575	1582	4
2009	Sahoo, P., Routara,	Roughness modelling	International Journal of	5	03-Feb		321	346	1

	B.C., Bandyopadhyay, A.	and optimisation in EDM using response surface method for different work piece materials	Machining and Machinability of Materials						
2009	Mukhopadhyay, N., Bose, P.K.	Further theoretical studies of modified cyclone separator as a diesel soot particulate emission arrester	Journal of Environmental Science and Engineering	51	4		283	294	
2009	Saha, S.K.	Teaching and research	Current Science	97	8		1111		
2009	Basu, J., Sarkar, B., Bhattacharyya, A.	Cluster approach in transfer of technology to rural smes in india: Baruipur surgical instruments cluster, a test case (WEST BENGAL)	Journal of Rural Development	28	4		503	514	
2009	Sarkar, A., Mahapatra, S.K., Sarkar, A.	Opposing mixed convection and its interaction with radiation inside eccentric horizontal cylindrical annulus	International Journal for Numerical Methods in Fluids	61	3		291	310	3
2009	Das, D., Sahoo, P., Saha, K.	Out-of-plane free vibration analysis of rotating tapered beams in post-elastic regime	Materials and Design	30	8		2875	2894	4
2009	Laha, D., Chakraborty, U.K.	An efficient hybrid heuristic for makespan minimization in permutation flow shop scheduling	International Journal of Advanced Manufacturing Technology	44	06-May		559	569	7
2009	Acharyya, S.K., Mandal, M.	Performance of EAs for four-bar linkage synthesis	Mechanism and Machine Theory	44	9		1784	1794	31
2009	Mallik, R.K., Mahapatra, S.K.,	Development of a Novel Improved Differential	Numerical Heat Transfer, Part B:	56	3		231	258	2

	Sarkar, A.	Approximation (NIDA) for analysis of Combined Conduction-Radiation heat transfer (CCR) in a two-dimensional enclosure with participating medium: An experimental validation	Fundamentals						
2009	Mahata, C., Bera, M.K., Das, T., Mallik, S., Hota, M.K., Majhi, B., Verma, S., Bose, P.K., Maiti, C.K.	Charge trapping and reliability characteristics of sputtered Y ₂ O ₃ high-k dielectrics on N- and S-passivated germanium	Semiconductor Science and Technology	24	8	85006			5
2009	Sahoo, P., Barman, T.K., Routara, B.C.	Fractal characterisation of surface profile and optimisation in EDM using Taguchi method	International Journal of Surface Science and Engineering	3	4		328	346	
2009	Bose, P.K.	Empirical approach for predicting the cetane number of biodiesel	International Journal of Automotive Technology	10	4		421	429	3
2009	Kundu, B., Ghosh, G.K.	An approximate analytical prediction about thermal performance and optimum design of pin fins subject to condensation of saturated steam flowing under forced convection	International Journal of Refrigeration	32	5		809	825	6
2009	Kundu, B., Das, P.K.	Performance and optimum dimensions of flat fins for tube-and-fin heat exchangers: A generalized analysis	International Journal of Heat and Fluid Flow	30	4		658	668	4
2009	Banerjee, S., Mahapatro, D., Dubey, S.	Some study on electrical discharge machining of ({WC+TiC+TaC/NbC}-Co)	International Journal of Advanced Manufacturing	43	12-Nov		1177	1188	5

		cemented carbide	Technology						
2009	Banerjee, S., Mukhopadhyay, A., Sen, S., Ganguly, R.	Thermomagnetic convection in square and shallow enclosures for electronics cooling	Numerical Heat Transfer; Part A: Applications	55	10		931	951	6
2009	Das, D., Sahoo, P., Saha, K.	An experimental study on transverse vibration of tapered bars in elasto-plastic regime	Journal of Sound and Vibration	324	02-Jan		74	90	1
2009	Choudhury, B.S., Sen, R.S., Oraon, B., Majumdar, G.	Statistical study of nickel and phosphorus contents in electroless Ni-P coatings	Surface Engineering	25	5		410	414	9
2009	Datta, S., Nandi, G., Bandyopadhyay, A.	Application of entropy measurement technique in grey based Taguchi method for solution of correlated multiple response optimization problems: A case study in welding	Journal of Manufacturing Systems	28	03-Feb		55	63	12
2009	Acharyya, A.K., Chakravorty, D., Karmakar, A.	Natural vibrations of delaminated composite clamped cylindrical shell roofs	Advances in Vibration Engineering	8	3		257	262	1
2009	Ghosh, K., Mukhopadhyay, A., Sen, S., Sanyal, D.	An integral approach for simulation of vapour film dynamics around a spherical surface	International Journal of Thermal Sciences	48	7		1327	1337	3
2009	Santra, A.K., Chakraborty, N., Sen, S.	Prediction of heat transfer due to presence of copper- water nanofluid using resilient-propagation neural network	International Journal of Thermal Sciences	48	7		1311	1318	12
2009	Das, D., Sahoo, P., Saha, K.	Nonlinear vibration analysis of clamped skew plates by a	JVC/Journal of Vibration and Control	15	7		985	1017	4

		variational method							
2009	Laha, D., Sarin, S.C.	A heuristic to minimize total flow time in permutation flow shop	Omega	37	3		734	739	37
2009	Bose, P.K., Maji, D.	An experimental investigation on engine performance and emissions of a single cylinder diesel engine using hydrogen as inducted fuel and diesel as injected fuel with exhaust gas recirculation	International Journal of Hydrogen Energy	34	11		4847	4854	23
2009	Das, D., Sahoo, P., Saha, K.	Dynamic analysis of non-uniform taper bars in post-elastic regime under uniform axial loading	Materials and Design	30	6		2113	2127	
2009	Bhattacharya, S., Sarkar, B., Mukherjee, R.N.	Evaluation of the performance of bearing materials using distance-based fuzzy multi-criteria decision-making process	International Journal of Manufacturing Technology and Management	18	3		293	299	4
2009	Chaterjee, S., Pohit, G.	A large deflection model for the pull-in analysis of electrostatically actuated microcantilever beams	Journal of Sound and Vibration	322	05-Apr		969	986	59
2009	Mahata, C., Bera, M.K., Bose, P.K., Maiti, C.K.	Paramagnetic defects and charge trapping behavior of ZrO ₂ films deposited on germanium by plasma-enhanced CVD	Semiconductor Science and Technology	24	2	25026			3
2009	Chanda, A., SinghaRoy, R., Xue,	Bone cell-materials interaction on alumina	Materials Science and Engineering C	29	4		1201	1206	5

	W., Bose, S., Bandyopadhyay, A.	ceramics with different grain sizes							
2009	Chanda, A., Dasgupta, S., Bose, S., Bandyopadhyay, A.	Microwave sintering of calcium phosphate ceramics	Materials Science and Engineering C	29	4		1144	1149	30
2009	Kundu, B., Das, P.K.	Performance and optimum design analysis of convective fin arrays attached to flat and curved primary surfaces	International Journal of Refrigeration	32	3		430	443	11
2009	Kundu, B.	Analysis of thermal performance and optimization of concentric circular fins under dehumidifying conditions	International Journal of Heat and Mass Transfer	52	12-Nov		2646	2659	25
2009	Mukhopadhyay, A.	Analytical solutions of Nusselt number for thermally developing radial flow through small gap between two parallel disks	Journal of Heat Transfer	131	5		1	4	2
2009	Mandal, B.K., Sarkar, A., Datta, A.	Transient development of flame and soot distribution in laminar diffusion flame with preheated air	Journal of Engineering for Gas Turbines and Power	131	3	31501			1
2009	Modak, N., Datta, A., Ganguly, R.	Cell separation in a microfluidic channel using magnetic microspheres	Microfluidics and Nanofluidics	6	5		647	660	26
2009	Sarkar, A., Mahapatra, S.K., Behera, S.K., Sarkar, A.	Natural convection within differentially heated square enclosure with partitions	Journal of the Institution of Engineers (India): Mechanical Engineering Division	90	APRIL		15	19	
2009	Sahoo, P., Mitra, A.,	Elastic-plastic adhesive	Journal of Physics D:	42	6	65302			1

	Saha, K.	contact of rough surfaces using n-point asperity model	Applied Physics						
2009	Sahoo, P.	Wear behaviour of electroless Ni-P coatings and optimization of process parameters using Taguchi method	Materials and Design	30	4		1341	1349	36
2009	Achryya, A.K., Chakravorty, D., Karmakar, A.	Bending characteristics of delaminated composite cylindrical shells - A finite element approach	Journal of Reinforced Plastics and Composites	28	8		965	978	5
2009	Ghoshal, T., Biswas, S., Nambissan, P.M.G., Majumdar, G., K.De, S.	Cadmium oxide octahedrons and nanowires on the micro-octahedrons: A simple solvothermal synthesis	Crystal Growth and Design	9	3		1287	1292	26
2009	Mukhopadhyay, A., Banerjee, S., Gupta, C.	Fully developed hydrodynamic and thermal transport in combined pressure and electrokinetically driven flow in a microchannel with asymmetric boundary conditions	International Journal of Heat and Mass Transfer	52	08-Jul		2145	2154	4
2009	Kundu, B., Miyara, A.	An analytical method for determination of the performance of a fin assembly under dehumidifying conditions: A comparative study	International Journal of Refrigeration	32	2		369	380	7
2009	Chaudhuri, S., Mukhopadhyay, A., Biswas, M.S., Cetegen, B.M., Basu, S.	Control of combustion in a thermally stabilized burner	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy	223	2		127	139	

2009	Laha, D., Chakraborty, U.K.	A constructive heuristic for minimizing makespan in no-wait flow shop scheduling	International Journal of Advanced Manufacturing Technology	41	02-Jan		97	109	27
2009	Datta, S., Mondal, S., Mukhopadhyay, A., Sanyal, D., Sen, S.	An investigation of nonlinear dynamics of a thermal pulse combustor	Combustion Theory and Modelling	13	1		17	38	10
2009	Smrekar, J., Assadi, M., Fast, M., KuÅitrin, I., De, S.	Development of artificial neural network model for a coal-fired boiler using real plant data	Energy	34	2		144	152	28
2009	Nandi, A., Neogy, S., Irretier, H.	Vibration control of a structure and a rotor using one-sided magnetic actuator and a digital proportional-derivative control	JVC/Journal of Vibration and Control	15	2		163	181	6
2009	Santra, A.K., Sen, S., Chakraborty, N.	Study of heat transfer due to laminar flow of copper-water nanofluid through two isothermally heated parallel plates	International Journal of Thermal Sciences	48	2		391	400	62
2009	De, S., Assadi, M.	Impact of cofiring biomass with coal in power plants - A techno-economic assessment	Biomass and Bioenergy	33	2		283	293	46
2009	Routara, B.C., Bandyopadhyay, A., Sahoo, P.	Roughness modeling and optimization in CNC end milling using response surface method: Effect of workpiece material variation	International Journal of Advanced Manufacturing Technology	40	12-Nov		1166	1180	24
2009	Mallik, R.K.,	Neural-finite difference	International Journal of	52	02-Jan		504	515	2

	Mahapatra, S.K., Sarkar, A.	method (NFDM) in development of improved differential approximation (IDA) and its application for coupled conduction and radiation heat transfer in a square enclosure: An experimental validation	Heat and Mass Transfer						
2009	Mandal, M., Naskar, T.K.	Introduction of control points in splines for synthesis of optimized cam motion program	Mechanism and Machine Theory	44	1		255	271	15
2009	Fast, M., Assadi, M., De, S.	Development and multi-utility of an ANN model for an industrial gas turbine	Applied Energy	86	1		9	17	30
2009	Ghatak, K.P., Bhattacharya, S., Pahari, S., Mitra, S.N., Bose, P.K., De, D.	The carrier contribution to the elastic constants in III-V, ternary and quaternary materials in the presence of light waves: Simplified theory, relative comparison and a suggestion for experimental determination	Journal of Physics and Chemistry of Solids	70	1		122	133	3
2009	Briones, A.M., Mukhopadhyay, A., Aggarwal, S.K.	Analysis of entropy generation in hydrogen-enriched methane-air propagating triple flames	International Journal of Hydrogen Energy	34	2		1074	1083	16
2008	Chakraborty, S., Gupta, S., Ray, A., Mukhopadhyay, A.	Data-driven fault detection and estimation in thermal pulse combustors	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of	222	8		1097	1108	3

			Aerospace Engineering						
2008	Kumar, K., Mukherjee, S.K., Pohit, G.	Virtual manufacturing of gears with chip formation	International Journal of Computer Applications in Technology	33	1		63	71	2
2008	Mukhopadhyay, N., Bose, P.K., Mitra, S.	Theoretical and experimental modelling of cyclone separator as diesel soot particular emission arrester with a continuous ceramic packed fibber filter placed at the end of the vortex finder tube	Modelling, Measurement and Control B	77	04-Mar		30	49	
2008	Datta, S., Bandyopadhyay, A., Pal, P.K.	Grey-based taguchi method for optimization of bead geometry in submerged arc bead-on-plate welding	International Journal of Advanced Manufacturing Technology	39	12-Nov		1136	1143	33
2008	Sahoo, P.	Optimization of electroless Ni-P coatings based on multiple roughness characteristics	Surface and Interface Analysis	40	12		1552	1561	4
2008	Sahoo, P., Barman, T.K., Routara, B.C.	Fractal dimension modelling of surface profile and optimisation in CNC end milling using Response Surface Method	International Journal of Manufacturing Research	3	3		360	377	6
2008	Ghosal, S., Misra, D., Saha, T.K., Chakravorty, D., Chaudhuri, B.	Failure analysis of stacker-cum-reclaimer in ore handling plant	Journal of Failure Analysis and Prevention	8	6		564	571	3
2008	Mahata, C., Bera, M.K., Bose, P.K., Maiti, C.K.	Charge trapping characteristics in high-k gate dielectrics on germanium	Thin Solid Films	517	1		163	166	7
2008	Mahata, C., Bera,	Studies on dielectric	Microelectronic	85	11		2207	2212	4

	M.K., Chakraborty, A.K., Bose, P.K., Maiti, C.K.	relaxation and defect generation for reliability assessments in ultrathin high-k gate dielectrics on Ge	Engineering						
2008	Banerjee, S., Mukhopadhyay, A., Sen, S., Ganguly, R.	Natural convection in a bi-heater configuration of passive electronic cooling	International Journal of Thermal Sciences	47	11		1516	1527	27
2008	Mandal, N.P., Saha, R., Sanyal, D.	Theoretical simulation of ripples for different leading-side groove volumes on manifolds in fixed-displacement axial-piston pump	Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering	222	6		557	570	8
2008	Santra, A.K., Sen, S., Chakraborty, N.	Study of heat transfer characteristics of copper-water nanofluid in a differentially heated square cavity with different viscosity models	Journal of Enhanced Heat Transfer	15	4		273	287	39
2008	Banerjee, M.K., Nag, D., Ganguly, R., Datta, A.	Stenotic interaction on haemodynamic parameters in double stenoses	International Journal of Computational Fluid Dynamics	22	9		609	622	2
2008	Gowrisankar, A., Nandi, A., Neogy, S., Das, A.S.	Vibration control of a beam using an eddy current damper with On-off control	Advances in Vibration Engineering	7	4		343	351	1
2008	Datta, S., Bandyopadhyay, A., Pal, P.K.	Slag recycling in submerged arc welding and its influence on weld quality leading to parametric optimization	International Journal of Advanced Manufacturing Technology	39	04-Mar		229	238	1
2008	Routaray, B., Nandi, A., Neogy, S.	Vibration control of a beam using an eddy current damper	Advances in Vibration Engineering	7	4		377	387	3

2008	Nandi, A., Neogy, S., Sarkar, S., Gowrisankar, A.	Stabilization and vibration control of a rotor with rotating damping using an eddy current damper and a fuzzy logic based control technique	Advances in Vibration Engineering	7	4		325	341	
2008	Laha, D., Chakraborty, U.K.	An efficient heuristic approach to total flowtime minimization in permutation flowshop scheduling	International Journal of Advanced Manufacturing Technology	38	10-Sep		1018	1025	8
2008	Bhowmick, S., Misra, D., Saha, K.N.	Reply to the discussion by Ahmet N. Eraslan and Tolga Akis on "Approximate solution of limit angular speed for externally loaded rotating solid disk by S. Bhowmick, D. Misra and K.M. Saha [Int. J. Mech. Sci. 50 (2008) 163-174]"	International Journal of Mechanical Sciences	50	9		1434		
2008	Kundu, B., Barman, D., Debnath, S.	An analytical approach for predicting fin performance of triangular fins subject to simultaneous heat and mass transfer	International Journal of Refrigeration	31	6		1113	1120	7
2008	Santra, A.K., Sen, S., Chakraborty, N.	Study of heat transfer augmentation in a differentially heated square cavity using copper-water nanofluid	International Journal of Thermal Sciences	47	9		1113	1122	82
2008	Das, D., Sahoo, P., Saha, K.	Elasto-plastic strain analysis by a semi-analytical method	Sadhana - Academy Proceedings in Engineering Sciences	33	4		403	432	1
2008	Sahoo, P., Ali, S.M.	Elastic-plastic adhesive contact of non-Gaussian	Sadhana - Academy Proceedings in	33	4		367	384	1

		rough surfaces	Engineering Sciences						
2008	Ghatak, K.P., Bhattacharya, S., De, D., Bose, P.K., Mitra, S.N., Pahari, S.	Influence of magnetic quantization on the Einstein relation in non- linear optical, optoelectronic and related materials: Simplified theory, relative comparison and suggestion for experimental determination	Physica B: Condensed Matter	403	17		2930	2948	1
2008	Nag, D., Datta, A.	Steady laminar flow of blood through successive restrictions in circular conduits of small diameter	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	222	8		1557	1573	2
2008	Patra, S., Ali, S.M., Sahoo, P.	Elastic-plastic adhesive contact of rough surfaces with asymmetric distribution of asperity heights	Wear	265	04-Mar		554	559	7
2008	Bhattacharya, S., Sarkar, B., Mukherjee, R.N.	Multi-criteria decision making for the evaluation of the performance of bearing materials	International Journal of Materials and Structural Integrity	1	4		371	377	2
2008	Das, D., Sahoo, P., Saha, K.	Large-amplitude dynamic analysis of simply supported skew plates by a variational method	Journal of Sound and Vibration	313	02-Jan		246	267	3
2008	Chatterjee, D., Sutradhar, G., Oraon, B.	Fuzzy rule-based prediction of hardness for sintered HSS components	Journal of Materials Processing Technology	200	03-Jan		212	220	6
2008	Sahoo, P.	Friction performance	Journal of Physics D:	41	9	95305			7

		optimization of electroless Ni-P coatings using the Taguchi method	Applied Physics						
2008	Ghosh, J., Mukhopadhyay, A., Rao, G.V., Sanyal, D.	Analysis of evaporation of dense cluster of bicomponent fuel droplets in a spray using a spherical cell model	International Journal of Thermal Sciences	47	5		584	590	3
2008	De, A.K., Mukhopadhyay, A., Puri, I.K.	Lattice Boltzmann method simulation of electroosmotic stirring in a microscale cavity	Microfluidics and Nanofluidics	4	5		463	470	2
2008	Das, P., Sutradhar, G., Chakraborty, T., Patra, S., Mitra, M.	Cold forging of sintered hollow polygonal disks with barreling	Journal of Materials Science	43	9		3180	3188	2
2008	Dhar, S., Marie, S., Chapuliot, S.	Determination of critical fracture energy, G_{fr} , from crack tip stretch	International Journal of Pressure Vessels and Piping	85	5		313	321	1
2008	Sahoo, P., Pal, S.K.	Tribological testing and optimisation of electroless Ni-P coatings based on Taguchi method and grey relational analysis	Tribo Test	14	2		127	144	2
2008	Das, A.S., Nandi, A., Neogy, S.	Application of finite elements for determination of the damping coefficient of an eddy current damper using Matlab	International Journal of Mechanical Engineering Education	36	2		120	139	
2008	Datta, S., Bandyopadhyay, A., Kumar Pal, P.	Modeling and optimization of features of bead geometry including percentage dilution in submerged arc welding using mixture of fresh flux and	International Journal of Advanced Manufacturing Technology	36	12-Nov		1080	1090	7

		fused slag							
2008	Acharyya, S., Dhar, S.	A complete GTN model for prediction of ductile failure of pipe	Journal of Materials Science	43	6		1897	1909	2
2008	Datta, S., Bandyopadhyay, A., Pal, P.K.	Application of Taguchi philosophy for parametric optimization of bead geometry and HAZ width in submerged arc welding using a mixture of fresh flux and fused flux	International Journal of Advanced Manufacturing Technology	36	08-Jul		689	698	13
2008	Bhowmick, S., Misra, D., Nath Saha, K.	Approximate solution of limit angular speed for externally loaded rotating solid disk	International Journal of Mechanical Sciences	50	2		163	174	7
2008	Acharyya, S., Naskar, T.K.	Fractional polynomial mod traps for optimization of jerk and hertzian contact stress in cam surface	Computers and Structures	86	05-Mar		322	329	6
2008	Banerjee, S., Ghosal, S., Dutta, T.	Development of a simple technique for improving the efficacy of fluid flow through the grinding zone	Journal of Materials Processing Technology	197	03-Jan		306	313	8
2008	Sahoo, P.	Fractal characterization and optimization of electroless Ni-P coatings	Journal of Physics D: Applied Physics	41	2	25310			6
2008	Kundu, B.	Performance and optimum design analysis of an absorber plate fin using recto-trapezoidal profile	Solar Energy	82	1		22	32	6
2008	Mukhopadhyay, A., Datta, S., Sanyal, D.	Effects of tailpipe friction on the nonlinear dynamics of a thermal pulse combustor	Journal of Engineering for Gas Turbines and Power	130	1	11507			7

2008	Majumder, S., Sanyal, D.	Destabilization of laminar wall jet flow and relaminarization of the turbulent confined jet flow in axially rotating circular pipe	Journal of Fluids Engineering, Transactions of the ASME	130	1		11203 1	1120 38	2
2008	Banerjee, S., Mukhopadhyay, A., Sen, S., Ganguly, R.	Optimizing thermomagnetic convection for electronics cooling	Numerical Heat Transfer; Part A: Applications	53	11		1231	1255	6
2008	Datta, S., Bandyopadhyay, A., Pal, P.K.	Solving multi-criteria optimization problem in submerged arc welding consuming a mixture of fresh flux and fused slag	International Journal of Advanced Manufacturing Technology	35	10-Sep		935	942	8
2008	Chakraborty, S., Mukhopadhyay, A., Sen, S.	Interaction of Lewis number and heat loss effects for a laminar premixed flame propagating in a channel	International Journal of Thermal Sciences	47	1		84	92	9
2008	Acharyya, S., Dhar, S., Chattopadhyay, J.	Evaluation of critical fracture energy parameter G_{fr} and assessment of its transferrability	Engineering Fracture Mechanics	75	2		253	274	
2008	Oraon, B., Majumdar, G., Ghosh, B.	Improving hardness of electroless Ni-B coatings using optimized deposition conditions and annealing	Materials and Design	29	7		1412	1418	32