

**LIST OF RESEARCH PUBLICATIONS – 2010****Journal Publications:**

<b>S.No.</b>	<b>Author(s)</b>	<b>Title of the Publication</b>	<b>Journal</b>	<b>Vol</b>	<b>Pages</b>
1.	Ramchandran S, Pankaj Jain, T Coradin and Verma SK	Nostoc calcicola immobilized in silica coated calcium alginate and silica gel for applications in heavy metal biosorption	Silicon	1	215-223
2.	Mehrotra, R, Mehrotra, S and Panwar, J	Bionics: Where machines imitate life.	Biotechnology, Bioinformatics & Bioengineering	1	91-93
3.	Rajesh Mehrotra and Sandhya Mehrotra	Promoter activation by ACGT in response to salicylic acid and abscisic acids is differentially regulated by the spacing between two copies of the motif,	Journal of Plant Physiology	167	1214-1218
4.	Akhil Bajaj, Purva Lohan, Jha PN, Rajesh Mehrotra.,	Biodiesel production through lipase catalysed transesterification: An overview	Journal of Molecular Catalysis B: Enzymatic	62	9-14
5.	Kochar DK, Das A, Kochar A, Middha S, Acharya J, Tanwar GS, Gupta A, Pakalapati D, Garg S, Saxena V, Subudhi AK, Boopathi PA, Sirohi P, Kochar SK	Thrombocytopenia in Plasmodium falciparum, Plasmodium vivax and mixed infection malaria: A study from Bikaner (Northwestern India).	Platelets	21	623-627
6.	Dhanpat Kumar Kochar, Gajanand Singh Tanwar, Poonam Chand Khatri, Sanjay Kumar Kochar, Ghanshyam Singh Sengar, Anjana Gupta, Abhishek Kochar, Sheetal Middha, Jyoti Acharya, Vishal Saxena, Deepak Pakalapati, Shilpi Garg, Ashish Das	Clinical Features of Children Hospitalized with Malaria--A Study from Bikaner, Northwest India.	Am J Trop Med Hyg	83	981-989

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7.	Gupta L, Noh JY, Jo YH, Oh SH, Kumar S, Noh Y, Lee YS, Cha SJ, Seo SJ, Kim I, Han YS, Barillas-Mury C	Apolipoprotein-III mediates antiplasmodial epithelial responses in <i>Anopheles gambiae</i> (G3) mosquitoes.	PLOS one	5	15410
8.	Gutierrez GJ, Molina-Cruz A, Kumar S, Barillas-Mury C	The <i>A. gambiae</i> oxidation resistance 1 (OXR1) gene regulates expression of enzymes that detoxify reactive oxygen species.	PLOS one	5	11168
9.	Kumar S, Molina-Cruz A, Gupta L, Rodrigues J, Barillas-Mury C.	A Peroxidase/Dual Oxidase system modulates midgut epithelial immunity in <i>Anopheles gambiae</i> .	Science	327	1644-1648
10.	Ashish Runthala, Amit Kumar Singh	Tegument based insilico Drug Targeting of Herpes Simplex Virus1	Saratov Journal of Medical Scientific Research	6	353-357
11.	Ashish Runthala	Hacking: A threat to industrial work forces	Journal of Cooperation among University and Industrial Enterprises	3	41-43
12.	Saha R.N, Vasanthakumar S, Benda G, Snehalatha M	Nanoparticulate drug delivery systems for chemotherapy.	Mol Membr Biol	27 (7)	215-223.
13.	Sivacharan K, Bende G, Snehalatha M, Saha R.N	Application of rotatable central composite design in the preparation and optimization of poly (lactic-co-glycolic acid) nanoparticles for controlled delivery of paclitaxel	Drug Dev Ind Pharm	36 (11)	1377-1387.
14.	Bende G, Sivacharan K, Snehalatha M, Ganesh M, Saha R.N	Validation of an hplc method for determination of imatinib mesylate in rat serum and its application in a pharmacokinetic study.	J Chromatogr Sci,	48 (5)	334-41
15.	Gautam Singhvi, Mahaveer Singh, Gunja Chaturvedi, Sohiny Sharma and Kapil Yadav	Design and evaluation of taste masked fast disintegrating tablet of racecadotril	Research J. Pharm. and Tech	3	1050-1052
16.	Mahaveer Singh, Gautam Singhvi, SG Kaskhedikar, Love soni	Development of fast dispersible tablets of carvedilol: effect of functionality of superdisintegrants	Research J. Pharm. and Tech.	3	942-944

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17.	SK Dubey, S Deshpande, S Kumar, AK Jain, RJ Mudakavi	Development and validation of a new uv-spectrophotometric method for determination of trandolapril maleate	PharmExpt	1	200- 207
18.	Sunil Kumar Dubey, Swapnil Deshpande, Sandeep Kumar, Prashant Raut, Akash Kumar Jain, Rajeev J Mudakavi	A high performance liquid chromatographic method for quantification of trandolapril using uv spectrometric detection	International Journal of Biomedical Research	3	133- 140
19.	S. Murugesan, Swastika Ganguly and Giovanni Maga	Synthesis, evaluation and molecular modeling studies of some novel 3-(3,4- dihydroisoquinolin-2(1H)-N- substituted- phenyl)propanamides as HIV- 1 non-nucleoside Reverse Transcriptase inhibitors	J. Chem. Sci	122(2)	169- 176
20.	S. Ganguly, S Murugesan, N Prasanthi, O Alpturk, B Herman and N Sluis-Cremer	Synthesis and Anti-HIV-1 activity of a novel Series of Aminoimidazole Analogs	Lett. Drug Design and Discovery	7	318- 323
21.	Swastika Ganguly and S Murugesan	Synthesis and Antimicrobial Activities of Novel Tetrahydroquinoline and Tetrahydroisoquinoline Analogues	J. Indian Chemical Society	87(7)	879- 885
22.	Rajkumar Ramamurthy, Mahesh Radhakrishnan	The auspicious role of the 5- HT3 receptor in depression: A probable neuronal target?	Journal of Psychopharmac ology	24	455- 469
23.	Dilip Kumar Pandey , Radhakrishnan Mahesh, Akutota Ashok Kumar,V Sambasiva Rao Muralidharan Arjun, Ramamoorthy Rajkumar	A novel 5-HT2A receptor antagonist exhibits antidepressant-like effects in a battery of rodent behavioural assays: Approaching early- onset antidepressants	Pharmacology , Biochemistry and Behaviour	94	363- 373
24.	Thangaraj Devadoss, Dilip Kumar. Pandey, Radhakrishnan Mahesh, Shushil Kumar Yadav	Effect of acute and chronic treatment with QCF-3 (4- benzylpiperazin-1-yl) (quinoxalin-2-yl) methanone, a novel 5-HT3 receptor antagonist,in animal models of depression	Pharmacological reports	62	245- 257

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25.	Radhakrishnan Mahesh, Thangaraj Devadoss, Dilip Kumar Pandey, Shvetank Bhatt, Sushil Yadav	Synthesis and Structure Activity Relationship of Novel Quinoxalin-2-carboxamides as 5-HT <sub>3</sub> Receptor Antagonists for the Management of Depression.	Bioorganic & Medicinal Chemistry Letters	20	6773-6776.
26.	Radhakrishnan Mahesh, Pinky Sharma, Dilip Kumar Pandey, Baldev Kumar, Shvetank Bhatt,	Antidepressant-like activity of cannabinoid type-1 receptor antagonist, rimonabant: behavioural investigation in animal model of depression	International Journal of Pharma and Bio Sciences	1	1-13
27.	Shvetank Bhatt, Dilip Kumar Pandey, KSR Pai,	Evaluation of potato tuber carboxypeptidase inhibitor with standard anti-thrombotic drugs in various thrombosis models.	International Journal of Pharma and Bio Sciences	1	1-9
28.	Radhakrishnan Mahesh, Dilip K Pandey, Shvetank Bhatt, Baldev Kumar	Depression Associated Disorders: Comorbidity, Neurobiological and Neurobehavioural Link	Pharmacologyonline	1	386-405
29.	Shvetank Bhatt	Adiponectin receptor: A Potential Target For Diabetes, Obesity And Other Disorders	Pharmacologyonline	1	117-130
30.	Dilip Pandey, Radhakrishnan Mahesh, Suresh Gupta., Baldev Kumar, Shvetank Bhatt, A Balasubramanium Ankur Jindal.	Studies on the Anti-oxidant, Analgesic and Anti-inflammatory Activity of <i>Atalantia monophylla</i> Bark Extract.	Ethanopharmacology	1(2)	1-10
31.	Radhakrishnan Mahesh, Shvetank Bhatt, Dilip Kumar Pandey, Thangaraj Devadoss Baldev Kumar, Ankur Kumar	Depression Associated Comorbid Cardiovascular and Metabolic Complications	International Journal of Research in Ayurveda and Pharmacy	1	23-32
32.	Sulbha Chaudhary, Radhakishnan Mahesh, Baldev Kumar, Ankur Jindal, Shvetank Bhatt	Serotonin 5-HT <sub>6</sub> Receptor: A Potential Target For Cognition	International Research Journal of Pharmacy.	1	7-18

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33.	Sangeeta Sharma and Krishna Mohan	The impact of University-Industry Linkages on English Language Teaching	University News-A Weekly Journal of Higher Education,	48(2)	11-17
34.	Sangeeta Sharma	Role of Advertising in Teaching Soft-Skills	The Management Faculty, AIMS International Publication for Faculty Excellence	1 (2)	July 2010
35.	Pushp Lata	Streak of Alienated Identification in Jhumpa Lahiri's Works.	Atlantic Literary Review	11(1)	81-88
36.	Pushp Lata	Technology Enabled Teaching of Professional Communication Courses: Problems and Perspectives	Journal of English Language Teaching(India)	XLIX, (3)	29-34
37.	K Haribabu, Chittaranjan Hota	Securing Peer-To-Peer Overlays From Multiple Identity Forgery Attacks	International Journal of Advanced Engineering & Applications	II	132-138
38.	Yashvardhan Sharma, Raghbir Nasri, Kumar	e-Learning Implementation using Service Oriented Architecture	CIT Journal of Research	1(2)	35-39
39.	Ram Shukla	Some Reasons for Poor Indian Government Medical Facilities", ezinearticles.com.	(Internet Journal), , <a href="http://ezinearticles.com/?Some-Reasons-for-Poor-Indian-Government-Medical-Facilities&amp;id=5016009">http://ezinearticles.com/?Some-Reasons-for-Poor-Indian-Government-Medical-Facilities&amp;id=5016009</a>	Dec 2010	Internet article
40.	Ram Shukla	The Importance of 'Modeling' In Business Management", ezinearticles.com	(Internet Journal) , <a href="http://ezinearticles.com/?The-Importance-of-Modeling-In-Business-Management&amp;id=4987049">http://ezinearticles.com/?The-Importance-of-Modeling-In-Business-Management&amp;id=4987049</a>	Sep 2010	Internet article
41.	Ram Shukla	Review of Excel Modeling in Management", ezinearticles.com	(Internet Journal), <a href="http://ezinearticles.com/?Review-of-Excel-Modeling-in-Management&amp;id=4995748">http://ezinearticles.com/?Review-of-Excel-Modeling-in-Management&amp;id=4995748</a>	Sep 2010	Internet article

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42.	Ram Shukla	Statistics for Business and Economics - A Review”, ezinearticles.com	(Internet Journal) <a href="http://ezinearticles.com/?Statistics-for-Business-and-Economics--A-Review&amp;id=5005248">http://ezinearticles.com/?Statistics-for-Business-and-Economics--A-Review&amp;id=5005248</a>	Sep 2010	Internet article
43.	Sharma SK, Joshi V	A study on the changes brought by the FDI in the auto component sector	CBS E- journal	4	65-76
44.	Sharma SK, Bhat A	Innovation and creativity in strategic planning	IME Journal	5(2)	49- 57
45.	Sharma, SK, Seraphim A	The relationship between IPO underpricing phenomenon and the underwriters reputation	The Romanian Economic Journal	13 (38)	181-209
46.	Sudarsan, A	Independent Directors: A Flawed Prescription for Corporate Governance	Indira Management Review	4(2)	52-66
47.	Sudarsan, A	Concurrent Validity of Peer Appraisal of Group Work for Administrative Purposes.	The ICFAI University Journal of Organizational Behavior	9(1&2)	71 – 86
48.	Kumar, Dinesh and Singh, S B	Postbuckling strengths of composite laminate with various shaped cutouts under in-plane shear	Composite Structures	92	2966-2978
49.	Singh, SB and Kumar, Dinesh	Cutout Shape and Size Effects on Response of Quasi – Isotropic Composite Laminate Under Uni-Axial Compression	Structural Engineering Mechanics	35 (3)	335-348
50.	Sharad Shrivastava and Ravi Prakash	Assessment of Bone condition by Acousto-Ultrasonic Technique: an in vitro Study	Health Positive	1(12)	30-37
51.	SB Singh, SA Priyadharshini, and KK Sharma	Torsional Strength of FRP Strengthened RC Beam,” International Journal of Earth Sciences and Engineerin	International Journal of Earth Sciences and Engineering	1(1)	258-263
52.	SB Singh, Madappa VR Sivasubramanian, Deepak M Muniyandi, and Mikhil Gajjar	Experimental Study on Flexural Behaviour of High Ductile Cementitious Composites	International Journal of Earth Sciences and Engineering	3(3)	534-542
53.	SB Singh and Dinesh Kumar	Postbuckling Response and Failure of Symmetric Laminated Plates with Rectangular Cutouts under In-Plane Shear	Structural Engineering Mechanics- An International Journal	34(2)	175-188

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54.	Dinesh Kumar and SB Singh	Effects of boundary conditions on buckling and postbuckling responses of composite laminate with various shaped cutouts	Composite Structures	92	769-779
55.	Mittal RK	Use of Waste Tire-Chip for Improvement of Bearing Capacity of Sandy Soil with in Working Loads	International Journal of Earth Sciences and Engineering	3(3)	376-385
56.	P Chakraborty, R Popescu, R Phillips	Liquefaction of heterogeneous sand: Centrifuge study	Geotechnical Testing Journal, ASTM international	33(4)	326-336
57.	Dipendu Bhunia	Investigation into the Behavior of Coupled Shear Walls	Structural Engineering International (IABSE) journal	Aug. 2010	pp. No.: 275-283
58.	Anil K, Rao MS, Kamesvara Rao V	Cerium triflate: An efficient and recyclable catalyst for chemoselective thioacetalization of carbonyl compounds under solvent-free conditions	Aust. J. Chem.	63	135
59.	Anil K, Rao MS, Kamesvara Rao V	Sodium dodecyl sulfate-assisted synthesis of 1-(benzothiazolylamino) methyl-2-naphthols in water	Aust. J. Chem	63	1538
60.	Agarwal HK, Anil K, Doncel GF, Parang K	Synthesis, antiviral and contraceptive activities of nucleoside–sodium cellulose sulfate acetate and succinate conjugates	Bioorg. Med. Chem. Lett	20	6993
61.	Dalip K, Sundaree S, Patel G, Anil K	A novel and short synthesis of naturally occurring 5-(3'-indolyl) oxazoles	J. Heterocyclic Chem.	47	1425
62.	Roy RK, Saha S	Studies of Regioselectivity of Large Molecular Systems using DFT Based Reactivity Descriptors	Annu. Rep. Prog. Chem., Sect. C: Phys. Chem.	106	118
63.	Saha S, Roy R K, Pal S	CDASE A Reliable Scheme to Explain the Reactivity Sequence between Diels Alder Pairs	Phys. Chem. Chem. Phys	12	9328
64.	Anil K, Sudershan Rao M, Kameshwara Rao V	Cerium Triflate: An Efficient and Recyclable Catalyst for Chemoselective Thioacetalization of Carbonyl Compounds under Solvent-Free Conditions	Aust. J. Chem.	63	135
65.	Sowmiya M,	Fluorescent probe studies of	J. Colloid	344	97

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	Amit KT., Subit KS	micropolarity, premicellar and micellar aggregation of non-ionic Brij surfactants	Interface Sci.,		
66.	Manohar PU, Koziol L, Krylov AI	Effect of a heteroatom on bonding patterns and triradical stabilization energies of 2,4,6-tridehydroypyridine versus 1,3,5-tridehydrobenzene: Erratum	J. Phys. Chem. A.,	114	6558
67.	Dalip Kumar, N Maruthi Kumar, Swapna Sundaree	Emmanuel O. Johnson, Kavita Shah An expeditious synthesis and anticancer activity of novel 4-(3'-indolyl) oxazoles	Eur. J. Med. Chem,	45	2010
68.	Dalip Kumar, N Maruthi Kumar, Kanako Akamatsu, Eriko Kusaka, Hiroshi Harada, Takeo Ito,	Synthesis and biological evaluation of indolyl chalcones as antitumor agents	Bioorg. Med. Chem Lett	20	3916
69.	Dalip Kumar, N Maruthi Kumar, Kuei-Hua Chang, Kavita Shah	Synthesis and Anticancer Activity of 5-(3-Indolyl)-1,3,4-Thiadiazoles	Eur. J. Med. Chem,	45	4664
70.	Dalip Kumar, Vaddula B Reddy	An Efficient, One-Pot, Regioselective Synthesis of 1,4-Diaryl-1H-1,2,3-triazoles Using Click Chemistry	Synthesis	-	1687
71.	Mishra Nidhi, Sehegal Preeti	Molecular iodine as a catalyst	Res. J. Chem. Environ.	14	77
72.	N Gupta and A Dalvi	Thermal Stability and Crystallization kinetics in superionic glasses using electrical conductivity-temperature cycles	Thermal Analysis and Calorimetry	102	851-855
73.	Neha Gupta, Anshuman Dalvi, AM Awasthi and S Bhardwaj	Electrical transport and crystallization in Cu <sup>+</sup> ion substituted AgI-Ag <sub>2</sub> O-V <sub>2</sub> O <sub>5</sub> glassy superionic system	Solid State Ionics	180	1607-1612
74.	Debashis Bandyopadhyay, Prabhshran Kaur and Prasenjit Sen	"New Insights into Applicability of Electron-Counting Rules in Transition Metal Encapsulating Ge Cage Clusters	J. Phys. Chem. A.	114	12986-12991
75.	Debashis Bandyopadhyay and Prasenjit Sen	Density Functional Investigation of Structure and Stability of Ge <sub>n</sub> and Ge <sub>n</sub> Ni (n=1-20) Clusters: Validity of Electron Counting Rule	J. Phys. Chem. A	114	1835-1842
76.	Manish Kumar,	Effect of transition metal	J. Comp. Theo.	7(1)	296-

S.No.	Author(s)	Title of the Publication	Journal	Vol	Pages
	Bandhan Jot Singh, Shantan Kajjam and Debashis Bandyopadhyay	doping on hydrogenated germanium nanocages: A density functional investigation	Nanoscience		301
77.	Dileep Kumar Gupta, Deepak Kumar Singh, M S. Dasgupta	Environmental Effect on Gas Cooler Design for Trans-critical Carbon Dioxide Refrigeration System in Indian Context	Journal of Advanced Research in Mechanical Engineering	1 (3)	pp. 147-152
78.	Abhijit Asati, Subhendu Kumar Sahoo and Chandrashekbar	An Improved 16-bit Booth Encoded Wallace Tree Multiplier	International Journal of Computational Intelligence and Telecommunication Systems	1(1)	23-29
79.	Abhijit Asati, Subhendu Kumar Sahoo and Chandra Shekhar	An Improved 16-bit Booth Encoded Wallace Tree Multiplier	International Journal of Computational Intelligence and Telecommunication Systems	Vol.1, No. 1	23-29
80.	Abhijit Asati and Chandra Shekhar	A Purely Mux Based High Speed Barrel Shifter Design	International Journal of Computer Science and Information Technology	Vol. 3, No. 2	249-253
81.	R Purohit, RP Khare	Thermographic Applications of Temperature Sensitive Fluorescence of SrS:Cu Phosphors	Journal of Engineering Science and Technology	5(4)	373-378
82.	SK Sahoo, Anu Gupta, Abhijit R Asati and Chandra Shekhar	A Novel Redundant Binary Number to Natural Binary Number Converter	Journal of Signal Processing Systems	59	297-307
83.	Manoj Kumar Dutta, Vinod Kumar Chaubey	Design and Simulation of Intelligent Optical WDM Switching Node Based on Erlang Traffic Model	Int. J. Of Communications	3	563-568
84.	Manoj Kr Dutta and VK Chaubey	Performance Analysis of All-Optical WDM Network with Wavelength Converter Using Erlang C Traffic Model	CCIS 70	1	238-244
85.	Virendra Singh Shekhawat, Mahesh Lagadapati, Dinesh Tyagi, and VKChaubey	A novel Aggressive Intermediate-node Initiated Reservation (AIIR) Protocol for Wave length Routed Optical WDM Networks	IJRTE	3(1)	126-128
86.	R P Khare	Fiber Optics in Test and	Electrical India	50(3)	30-36

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		Measurement			
87.	G.Prashant Reddy and Navneet Gupta	Material Selection for Microelectronic Heat Sinks: An Application of the Ashby Approach	Materials and Design	31	113-117
88.	H O Bansal, H P Agrawal, S Tiwana, A R Singal and L Srivastava	Optimal Location of FACT Devices to Control Reactive Power	International Journal of Engineering Science and Technology	2(6)	1556-1560
89.	Rahul Singhal, M N Satyanarayan and Suchandan Pal	Effect of Residual Resist on Performance of Single-Mode 1X4 Optical Splitter in Photosensitive Polymer	Fiber and Integrated Optics	29	480-490
90.	Dubey B, Zhao TG, Jonsson M and Rahmanov H	A solution to the accelerated-predator-satiety Lotka–Volterra predator–prey problem using Boubaker polynomial expansion scheme	Journal of Theoretical Biology	264(1)	154–160
91.	Dubey B, Shukla JB, Sharma S, Agarwal AK and Sinha P	A mathematical model for chemical defense mechanism of two competing species,	Nonlinear Analysis : Real World Applications	11	1143–1158
92.	Upadhyay RK, Thakur NK and Dubey B,	Nonlinear non-equilibrium pattern formation in a spatial aquatic system: effect of fish predation	Journal of Biological Systems	18(1)	129–159
93.	Misra AK and Dubey B	A ratio-dependent predator prey model with delay and harvesting	Journal of Biological Systems	18(2)	437–453
94.	Dubey B. and Narayanan AS	Modelling effects of industrialization, population and pollution on a renewable resource	Nonlinear Analysis : Real World Applications,	11	2853–2848
95.	Dubey B	A model for the effect of pollutant on human population dependent on a resource with environmental and health policy	Journal of Biological Systems	18(3)	571-592
96.	Satya Deo, Pramod Kumar Yadav, Ashish Tiwari	Slow viscous flow through a membrane built from porous cylindrical particles with an impermeable core	Applied Mathematical Modelling	34	1329-1343
97.	Pramod Kumar Yadav, Ashish Tiwari, Satya Deo, Anatoly Filippov, Sergey Vasin	Hydrodynamic permeability of membranes built up by spherical particles covered by porous shells: effect of stress jump condition	Acta Mechanica	215	193-209
98.	R K Pandey and	Monotone method for singular	Applied	215	3860–

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	A K Verma	BVP in the presence of upper and lower solutions	Mathematics and Computation		3867
99.	R K Pandey and A K Verma	On solvability of derivative dependent doubly singular boundary value problems	Journal of Applied Mathematics and Computing	33	489–511
100.	C B Gupta, A K Malik and S R Singh	A Two Warehouse Inventory Model for Deteriorating Items with Demand Dependent Production	Ganita Sandesh	24	55-62
101.	Soni, G and Kodali, R	A Multi-criteria Decision Model for Selection of Supply Chain Management Software	International Journal of Services and Operations Management	7(4)	501-533
102.	Soni, G and Kodali, R	Internal benchmarking for assessment of supply chain performance	Benchmarking: An International Journal	17(1)	44-76
103.	Kodali, R and Anand, G	Application of analytic network process for the design of flexible manufacturing systems	Global Journal of Flexible Systems Management	11 (1-2)	39-54
104.	Anand, G and Kodali, R	Analysis of lean manufacturing frameworks	Journal of Advanced Manufacturing Systems,	9(1)	1-30
105.	Anand, G and Kodali, R	Development of a framework for implementation of lean manufacturing systems	International Journal of Management Practice,	4(1)	95–116
106.	Anand, G and Kodali, R	A mathematical model for evaluating the roles and responsibilities of human resources in a lean manufacturing environment	International Journal of Human Resources Development and Management	10(1)	63–100
107.	Ashish M Gujarathi and B V Babu	Hybrid Multi-objective Differential Evolution (H-MODE) for optimization of Polyethylene Terephthalate (PET) reactor	International Journal of Bio-inspired Computation	2 (3/4)	213-221
108.	Ashish M Gujarathi and B.V.Babu	Multi-objective Optimization of Industrial Styrene Reactor: Adiabatic and Pseudo-isothermal Operation	Chemical Engineering Science	65 (6)	2009-2026
109.	Dipaloy Datta and Dipesh S Patle	Sensitivity Analysis of Steady State Methyl Acetate Synthesis Reactive Distillation Column using ASPEN PLUS	The IUP Journal of Science & Technology	6(3)	24-35
110.	Pratik N Sheth	Production of hydrogen	International	35	10803-

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	and B V Babu	energy through biomass (waste wood) gasification	Journal of Hydrogen Energy	(19)	10810
111.	S Rungta and Pratik N Sheth	Study of the Production Technologies of Heavy Crude Oil	The IUP journal of chemical engineering	II(3)	22-32
112.	Smita Raghuvanshi, and BV Babu	Biodegradation kinetics of methyl iso-butyl ketone (MIBK) by acclimated mixed culture	Biodegradation	21 (1)	31-42
113.	Smita Raghuvanshi, and BV Babu	Biofiltration for removal of Methyl Iso Butyl Ketone (MIBK): Experimental Studies and Kinetic Modeling.	Environmental Technology	31 (1)	29-40
114.	Suresh Gupta and BV Babu	Experimental and modeling aspects in column studies for removal of Cr (VI) using activated tamarind seeds	Journal of Water Resource and Protection	2 (8)	706-715
115.	Suresh Gupta and BV Babu	Experimental-, kinetic-, equilibrium- and regeneration studies for adsorption of Cr (VI) from aqueous solutions using low-cost adsorbent (activated fly ash)	Desalination and Water Treatment	20 (1-3)	168-178
116.	Sushil Kumar, Dipaloy Datta and and BV Babu	Experimental Data and Theoretical (Chemodel Using the Differential Evolution Approach and Linear Solvation Energy Relationship Model) Predictions on Reactive Extraction of Monocarboxylic Acids Using Tri-n-octylamine	Journal of Chemical and Engineering Data	55	4290-4300
117.	Dipanwita Pati, Dilip Kumar Pandey, Radhakrishnan Mahesh, Vadiraj Kurdekar and Hemant R Jadhav	Anti-Depressant-Like Activity of Mucuna Pruriens; A Traditional Indian Herb in Rodent Models of Depression	Pharmacologyonline	1	537-551
118.	Deepti Dongarwar, Inamdar Afeez, M Dinakaran, Vadiaraj D Kurdekar and Hemant R Jadhav	Synthesis and antioxidant potential of novel 2-isoxazole substituted chromenones synthesized by microwave irradiation	Asian Journal of Research in Chemistry	3	106-109
119.	A Rajput,	Preparation and	International	60	27 –

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	N N Ghosh	Characterization of Novel Polybenzoxazine-Polyester resin Blends	Journal of Polymeric Materials		39
120.	A Amalin Prince, VP Agrawal	A Group Decision making aid for evaluation and optimum selection of Micro-Electro-Mechanical System (MEMS) products	Journal of Mechatronics and Intelligent Manufacturing	1	1 – 21
121.	Anasuya Ganguly	Biodegradation of hydrocarbons in the presence of cyclodextrins	World Journal of Microbiology and Biotechnology	26	227 - 232
122.	Anjan Chattopadhyay	A comparative study of the spectroscopic features of the low-lying electronic states of H <sub>2</sub> F <sup>+</sup> and H <sub>2</sub> Cl <sup>+</sup> ions	Journal of Chemical Sciences	122	259 - 269
123.	B Naik, V S Prasad, N N Ghosh	A simple aqueous solution based chemical methodology for synthesis of Ag nanoparticles dispersed on mesoporous silicate matrix	Powder Technology	199	197 - 201
124.	B Naik, V S Prasad, N N Ghosh	Development of a simple aqueous solution based chemical method for synthesis of mesoporous $\gamma$ -Alumina powders with disordered pore structure	Journal of Porous Materials	17	115 - 121
125.	Ch VVSNV Prasad	Role of IT in SCM environment	International. Journal of Business Performance and Supply Chain Modelling,	2	81 – 92
126.	Judith M Braganca, Bhakti B Salgaonkar, Kabilan Mani	Sensitivity of Haloarchaea to eubacterial pigments produced by Pseudomonas aeruginosa SB1.	World journal of Microbiology and Biotechnology	1	1 – 1
127.	KVRB Prasad, PM Singru	Identifying the Optimum Design of Turbo-Alternator Using Differential Evolution Algorithms	International Journal of Energy Systems, Computers and Control (IJESCC)	1	33-56
128.	KVRB Prasad, PM Singru	Optimum Design of Turbo-Alternator Using Differential Evolution Algorithms	International Journal of Electrical Engineering	3	65-84
129.	P P Sarangi,	Preparation of	Materials	25	271 -

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	B Naik, S R Vadera, M K Patra, C Prakash, N N Ghosh	Polybenzoxazine- Ni-Zn Ferrite magnetic nanocomposite and its magnetic property	Technology: Advanced Performance Materials		275
130.	P P Sarangi, S R Vadera, M K Patra, C Prakash, Narendra Nath Ghosh	Synthesis and Characterization of Pure Single phase Ni-Zn Ferrite Nanopowders By Oxalate Based Precursor Method	Powder Technology	203	348 - 353
131.	P V Rao, S S Baral, R Dey, S Munturi	Biogas generation potential by anaerobic digestion for sustainable energy development in India	Renewable and Sustainable Energy Reviews	14	2086 – 2094
132.	P P Sarangi, S R Vadera, M K Patra, C Prakash, R Selvin, N N Ghosh	Development of a Novel Aqueous Solution Based Chemical Methodology For Synthesis of Ni(1-x)ZnxFe2O4 Nanopowders and Their Electrical and Magnetic property	Integrated Ferroelectrics	116	1 – 15
133.	P P Sarangi, S R Vadera, M K Patra, N N Ghosh	Microstructure DC resistivity and magnetic property of Ni-Zn ferrite nano-powders synthesized by EDTA precursor based method	Journal of Optoelectronics and Advanced Materials	12	1279 – 1285
134.	Prasanna Kumar N	A Generalization Towards the Inequalities for the Polynomial and its Derivative,	International Journal of Mathematical Analysis	4	1865 – 1871
135.	Raees Shekh, P Singh, Utpal Roy	Antifungal activity of Arctic and Antarctic bacteria isolates	Polar Biology	33	
136.	Rakesh S, A Amalin Prince, Iven Jose	Novel Design for RF MEMS Capacitive Shunt Switch in K and Ku Bands	Communications in Computer and Information Science	102	1 – 9
137.	T K Jha, H Mishra, V Sreekanth	Bulk viscosity in hyperonic star and r-mode instability	Physical Review C	88	25803 – 25803
138.	Tarkeshwar Singh	Hypergraceful complete graphs	Australasian Journal of Combinatorics	48	5 – 24
139.	Vijayashree Nayak	Proliferation of Myoblast Skeletal Cells on Three dimesional Supramacroporous Cryogels	International journal of Biological Sciences	6(4)	371 – 381
140.	Aswini Kumar Mishra	Public Spending for Protecting the Poor during Economic Reforms: Myth or Reality? Evidence from Orissa	Journal of Rural Development	29	17-33
141.	Koley, Manjuri	Synthesis and characterization	Inorg. Chim.	363	3798–

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	K, Manoharan, PT, Koley, Aditya. P	of a stable paramagnetic hexacoordinated oxochromium(IV) complex with dianionic tetradentate Schiff base ligand salen	Acta		3802
142.	Klas Risveden , Kimberly A Dick, Sunil Bhand, Patrik Rydberg, Lars Samuelson, Bengt Danielsson	Branched nanotrees with immobilized acetylcholine esterase for nanobiosensor applications	Nanotechnology	21 (5)	05510 2
143.	Bhand, Sunil G, Soundararajan, Srimathi, Surugiu- Wärnmark, Ioana, Milea, Jaqueline Simona, Dey, Estera Sz wajcer, Yakovleva, Maria, Danielsson, Bengt	Fructose-selective calorimetric biosensor in flow injection analysis	Analytica Chimica Acta	668 (1)	13-18
144.	Kanchanmala Deshpande, Rupesh K Mishra, Sunil Bhand	A High Sensitivity Micro Format Chemiluminescence Enzyme Inhibition Assay for Determination of Hg(II)	Sensors	10(7)	6377- 6394
145.	Mishra, Geetesh K, Mishra, Rupesh K, Bhand, Sunil	Flow injection analysis biosensor for urea analysis in adulterated milk using enzyme thermistor	Biosensors and Bioelectronics	26 (4)	1560- 1564
146.	Rupesh K Mishra, Kanchanmala Deshpande and Sunil Bhand	A High-Throughput Enzyme Assay for Organophosphate Residues in Milk	Sensors	10(12)	11274- 11286
147.	K Deshpande, R K Mishra, S Pal, B Danielsson, M. willander, S Bhand	A novel on chip analysis of dissolved Hg(II) in drinking water	NSTI-Nanotech	3	133- 136
148.	M KDeshmukh, C B K Moorthy	Application of Genetic Algorithm to Neural Network Model for Estimation of Wind Power Potential	Journal of Engineering, Science, and Management Education	2	42-48,
149.	M K Deshmukh,	A New Approach for	Jnl of Emerging	4(2)	62-69,

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	C B K Moorthy	Estimation of Output of wind Energy Conversion System	Technologies- Power Systems & Power Electronics, NICHE, India		
150.	K R Kazmi and S A Khan	Existence and Continuity of Solutions to Simultaneous Vector Equilibrium Problems.	Southeast Asian Bulletin of Mathematics.	Vol 34.	281–291.
151.	Suhel Ahmad Khan	Generalized vector complementarity-type problems in topological vector spaces.	Computer and Mathematics with Applications (Elsevier Science).	Vol 59.	3595-3602.
152.	R Mary Lourde, Dhushyant Khosla	Finger print Identification in Biometric Security Systems.	International Journal of Computer & Electrical Engineering.	Vol 2.	852
153.	R Mary Lourde, Waris Sami Misbah	Fuzzy Logic Control in low speed cruise control system.	International Journal of Computer Science & Information systems.	Vol 8.	68
154.	Swarnalatha R, Prasad D V	A Novel Technique for Extraction of FECG using Multi Stage Adaptive Filtering.	Int.Journal of Applied Science.	Vol 10.	319-324.
155.	Swarnalatha R, Prasad D V	Maternal ECG Cancellation in Abdominal Signal using ANFIS and Wavelets.	Int.Journal of Applied Sciences.	Vol 10.	868-877.
156.	Swarnalatha R, Prasad D V	Fetal ECG Extraction using Combination of Wavelet and Hybrid Algorithm based ANFIS.	Int. Journal of Healthcare Technology and Management.	Vol 11.	133-150.
157.	C Krishnakumar, A Nirmal Kumar and B Karthikeyan	Effect of Passive Snubbers On EMI Mitigation of Buck Converter.	Journal Of Engineering Research, University of Wisconsin-Madison.	Vol 136.	75-84.
158.	Karabi Dutta Choudhury and Tapan Kumar Datta	An Inventory Model with Stock–dependent Demand Rate and Dual Storage Facility.	Assam University Journal of Science & Technology : Physical Sciences and Technology.	Vol 5.	53-63.
159.	Sujala D Shetty, S Vadivel	Design and security analysis of web application based and web services based Patient Monitoring System (PMS).	IJCSNS International Journal of Computer Science and Network Security	Vol 10.	22-28.
160.	M Seeman, G	Study on tool wear and	International	Vol 26.	289-

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161.	Senthilkumar, C, Ganesan, G, Karthikeyan, R and Srikanth S	Modelling and analysis of electrochemical machining of cast Al/20%SiCp compo	Materials Science & Technology	Vol 26.	289-296
162.	Srinivasan V, Karthikeyan R, V Kalaichelvi, Mohamad Rafi N	Characterisitcs of Al <sub>2</sub> O <sub>3</sub> Nano-Particle Filled GFRP Composites Using Wear Maps	Journal of Reinforced Plastics and Composites.	Vol 29.	3006-3015.
163.	B Vijayakumar, M Madijagan, Sri Hari Haran.	“Component Approach to Software Development for Distributed Multi-Database System”.	Informatica Economica Journal.	Vol 14.	19-26.
164.	Mallika Parveen and TVVLN Rao	Optimal batch size in a single-stage and optimal number of kanbans in a multi-stage JIT production-delivery system with rework consideration.	International Journal of Logistics Systems and Management.	Vol 7.	56-80.
165.	Ramachandran S, Coradin T, Jain P K and Verma SK	Nostoc calcicola immobilized in silica-coated calcium alginate and silica gel for applications in heavy metal biosorption.	Springer science	Vol 1.	215-223.
166.	R G Bhavani and M A Khan	Advanced Lighting Simulation Tools for Daylighting Purpose: Powerful Features and Related Issues.	Trends in Applied Sciences Research.	Vol 6.	345-363.
167.	R G Bhavani and M A Khan	An intelligent simulation model for blind position control in daylighting schemes in buildings.	Building Simulation: Intl. Journal.	Vol 2.	253-262.
168.	K Haribabu & Chittaranjan Hota	Securing Peer-to-Peer Overlays from Multiple Identity Forgery Attacks	International Journal of Advanced Engineering and Applications (IJAEA)	1	132-138
169.	D Moliya, Rusheel Jain, VMohanty & Chittaranjan Hota	Probabilistic Anonymous Routing in Mobile Ad-Hoc Networks	Special Issue of International Journal of Computer & Communication Technology (IJCCT)	2	6-12
170.	M Venu and P N Rao	Study of Rubber Aggregates in Concrete: An Experimental	International Journal of Civil	1(1)	15-26

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		Investigation	Engineering and Technology		
171.	Venu Malagavelli & Rao, P N	High Performance Concrete with GGBS and ROBO sand	International Journal of Engineering Science and Technology	2(10)	5107-5113
172.	Venu Malagavelli and Rao, P N	Effect of non bio degradable waste in Concrete slabs	International Journal of Civil and Structural Engineering	1(3)	449-457
173. M Sreevani, 174. M Aruna, 175. S Rajashree, OYaswanth Babu,		A Hybrid Intelligence system for Web Mining	International Journal of Computer Engineering & Computer Applications	1	6-12
176.	Aruna Ranganath	A novel algorithm for small molecule docking,	International Journal of Computer Engineering & Computer Applications	1	37-45
177.	Sriram D, Yogeewari P, Senthilkumar P, Sangaraju D	5-Nitrothiazolythio-semicarbazones: synthesis & antimyco-bacterial evaluation against tubercular & non-tubercular mycobacterial species	J Enzyme Inhibition Med Chem.	10	5-10
178.	Arvind Semwal, Yogeewari P, Ragavendran, J V, Sriram D, James Stables	Discovery of isatinimino derivatives as new leads for neuropathic pain treatment: An isomeric modification approach	Int. J. Drug Des. Discov.	1	169-187
179.	Sriram D, Yogeewari P, Senthilkumar P, Sangaraju D, Nelli R, Banerjee D, Bhat P, Manjashetty TH	Synthesis and Anti-mycobacterial Evaluation of Novel Phthalazin-4-ylacetamides Against log- and Starved Phase Cultures	Chem Biol Drug Des. 2	75	381-91
180.	Balamurugan K, Jeyachandran V, Perumal S, Manjashetty TH, Yogeewari P, Sriram D	A microwave-assisted, facile, regioselective Friedländer synthesis and antitubercular evaluation of 2,9-diaryl-2,3-dihydrothieno-[3,2-b]quinolines	Eur J Med Chem.	45	682-8
181.	Sriram D, Yogeewari P,	Discovery of novel antitubercular 2,10-dihydro-	Eur J Med Chem.	45	120-3

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	Dinakaran M, Banerjee D, Bhat P, Gadhwal S	4aH-chromeno[3,2-c]pyridin-3-yl derivatives			
182.	Karthikeyan SV, Bala BD, Raja VP, Perumal S, Yogeeswari P, Sriram D	A highly atom economic, chemo-, regio- and stereoselective synthesis and evaluation of spiro-pyrrolothiazoles as antitubercular agents	Bioorg Med Chem Lett.	20	350-3
183.	Kumar RS, Perumal S, Shetty KA, Yogeeswari P, Sriram D	1,3-Dipolar cycloaddition of C-aryl-N-phenylnitrones to (R)-1-(1-phenylethyl)-3-[(E)-arylmethylidene]tetrahydro-4(1H)-pyridinones: synthesis and antimycobacterial evaluation of enantiomerically pure spiroisoxazolidines	Eur J Med Chem.	45	124-33
184.	Kumar RS, Rajesh SM, Perumal S, Banerjee D, Yogeeswari P, Sriram D	Novel three-component domino reactions of ketones, isatin and amino acids: synthesis and discovery of antimycobacterial activity of highly functionalised novel dispiropyrrolidines.	Eur J Med Chem.	45	411-22
185.	Debjani Banerjee, Yogeeswari P, Pritesh Bhat, Anisha Thomas, Sriram D	Synthesis, In-vitro evaluation and computational studies of novel isatinyl derivatives for their activity against HIV-TB co-infection	Int. J. Drug Des. Discov.	1	65-80
186.	Yogeeswari P, Ragavendran JV, Sriram D, Priyanka A, Ganguly S, Sunil Kumar Reddy A, Arvind Semwal	Effectiveness of antiepileptic GABA analogues for the treatment of neuropathic pain	Pharmacol. Online	1	575-590
187.	Manikannan, R, Muthusubramanian, S, Yogeeswari, P, Sriram D	Selective one-pot multicomponent synthesis and antitubercular evaluation of 5-(arylcyclohexylsulphanyl)-2-alkoxy-4,6-diaryl-1,2,4-triazin-3(4H)-nitriles	Bioorg Med Chem Lett.	20	3352-5
188.	Sriram, D, Yogeeswari, P, Vyas, DRK, Senthilkumar, P, Bhat, P, Srividya, M	5-Nitro-2-furoic acid hydrazones: Design, synthesis and in-vitro antimycobacterial evaluation against log and starved phase cultures	Bioorg Med Chem Lett.	20	4313-6
189.	Kumar, RS, Mahesh, SM,	A facile synthesis and discovery of highly	Chem. Pharm. Bull.	58	602-10

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190.	Sriram, D, Devakaram, RV, Dinakaran, M, Yogeeswari, P	Aromatic Amino Analogues of Artemisinin: Synthesis and In- vivo Antimalarial Activity	Med. Chem. Res.	19	524-32
191.	Maheswari SU, Balamurugan K, Perumal S, Yogeeswari P, Sriram D	A facile 1,3-dipolar cycloaddition of azomethine ylides to 2-arylidene-1,3- indanediones: Synthesis of dispirooxindolylpyrrolothiazoles and their antimycobacterial evaluation	Bioorg Med Chem Lett.	20	7278- 82
192.	Manikannan, R, Venkatesan R, Muthusubramani an, S., Yogeeswari, P, Sriram D	Pyrazole derivatives from azines of substituted phenacyl aryl/cyclohexyl sulfides and their antimycobacterial activity	Bioorg Med Chem Lett.	20	6920- 24
193.	Prasanna P, Balamurugan K, Perumal S, Yogeeswari P, Sriram D	A regio- and stereoselective 1,3-dipolar cycloaddition for the synthesis of novel spiro- pyrrolothiazolyloxindoles and their antitubercular evaluation	Eur J Med Chem.	45	5653- 61
194.	Kumar P, Narashiman B, Yogeeswari P, Sriram D	Synthesis and antitubercular activities of substituted benzoic acid N'-(substituted benzylidene/furan-2- ylmethylene)-N-(pyridine-3- carbonyl)-hydrazides	Eur J Med Chem.	45	6085- 89
195.	Sriram, D., Yogeeswari, P., Senthil Kumar P, Naidu G, Bhat P	5-Nitro-2,6-dioxohexahydro-4- pyrimidinecarboxamides: synthesis, in vitro antimycobacterial activity, cytotoxicity, and isocitrate lyase inhibition studies	J Enzyme Inhib Med Chem.	25	765-72
196.	Yogeeswari P, Arvind Semwal, Sriram D, Ragavendran JV, Sreevatsan, N, Monika Sharma	Antiallodynic and antihyperalgesic activities of anticonvulsant GABA derivatives in both sciatic and spinal nerve ligation models of neuropathic pain	Pharmacol. Online	1	634- 647
197.	Monika S, Reddy, ASK, Arvind S, Sriram D, Yogeeswari P	Effectiveness of newer lipophilic GABA analogues against epilepsy	Ind. J. Pharmacol.	42	160- 161
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199.	S Kalidhasan, S Sricharan, M Ganesh, N Rajesh	Liquid-Liquid extraction of Cr(VI) with tricaprilmethylammoniumchloride using isoamylalcohol as the diluents and its application to industrial effluents	Journal of Chemical and Engineering Data	55	5627-5633,
200.	Rajitha,KCK Mukherje, Vinu C Prakash Mohan	Land-cover change dynamics and coastal aquaculture development: a case study in East Godavari delta, Andhra Pradesh, India using multi-temporal satellite data,	International Journal of Remote sensing	31	4423 - 4442
201.	D Nagesh Kumar, Falguni Baliarsingh, KS Srinivasa Raju	Optimal Reservoir Operation for Flood Control Using Folded Dynamic Programming	Water Resources Management	24(6)	1045-1064
202.	A Ramu et.al	Hydro magnetic free convective Rivlin-Ericksen Flow through a porous medium with variable permeability	International Journal of Computational and Applied Mathematics	3	267 to 275
203.	A Ramu et.al	Finite element method solution for Oscillatory motion of a memory fluid through porous media with a horizontal force	Atti Della "Fonzone Giorgio Ronchi" Fluid Dynamics	5	607-618
204.	Bividatta Mishra, Pradyumn Kumar Sahoo, A Ramu	Space Invariant theory of Gravitation in Einstein-Rosen Space-Time	Journal of Modern Physics	1	185-189
205.	Pradyumn Kumar Sahoo, Bividatta Mishra, A.Ramu	Bianchi Type V and Vlo cosmic string coupled with Maxwell Fields in Bimetric Theory	International Journal of Theoretical Physics	50	349 - 355
206.	A. Sajeli Begum, Madhur Goyal	Study of antioxidant and hepatoprotective activities of standardized <i>Cestrum diurnum</i> leaf extract	Ethnopharmacology	1	online
207.	A. Sajeli Begum	Bioactive non-alkaloidal secondary metabolites of <i>Hyoscyamus niger</i> Linn. Seeds – A Review	Research Journal of Seed Science 2010	3(4)	210-217
208.	Sajeli Begum A., Saxena B, Goyal M, Sairam K., Ch Rao, Ranjan R and Sahai M	Study of anti-inflammatory, analgesic and antipyretic activities of seeds of <i>Hyoscyamus niger</i> and isolation of a new coumarinolignan	Fitoterapia 2010	81	178-184
209.	Singh A K and Regalla	DOE Based Three Dimensional Finite Element	Rapid Prototyping	16 (6)	460-467

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	Srinivasa Prakash	Analysis for Predicting Density of a Laser Sintered Part	Journal	2010	
210.	Singh A K and Regalla Srinivasa Prakash	Response Surface Design for the Optimization of Selective Laser sintering Process	Rapid Prototyping Journal	16(6)	441-449
211.	Shaifali Gurjar and Suman Kapur	Insight into the roles of gut microbes	Pharmacologyonline	3	548-559
212.	Sharma B, Srivastava S, Singh N, Sachdev V, Kapur S, Saraya Anoop	Role of Probiotics on Gut Permeability and Endotoxemia in Patients With Acute Pancreatitis	A. J Clin Gastroenterol	[Epub ahead of print]	Dec 3
213.	Hulme C et.al	A.Multi-component reactions in drug discovery	Adv Exp Med Biol	699	75-106
214.	Suman Kapur	Patent application No. 961/DEL/2008	Office of Controller General of Patents Designs, and Trademarks, 2010	17	
215.	Manav Kapoor, Suman Kapur and LC Dhaka	D2S2944 marker: A common marker for the obesity-depression associations	Journal of mental health and human behavior	15(1)	24-30
216.	D. Tripathi, S K Pandey and S Das	Peristaltic transport of a generalized Burgers' fluid: Application to movement of chyme in small intestine	Acta Astronautica	doi:10.1016/j.actastro.2010.12.010	(In Press)
217.	D. Tripathi	Numerical and Analytical Simulation of Peristaltic Flows of Generalized Oldroyd-B Fluids	International Journal for Numerical Methods in Fluids	doi: 10.1002/fluid.2466	(In Press)
218.	D. Tripathi	Peristaltic Transport of a Viscoelastic Fluid in a Channel	Acta Astronautica	doi:10.1016/j.actastro.2010.09.012	(In Press)
219.	D. Tripathi	Peristaltic flow of a Fractional Second Grade Fluid through a Cylindrical Tube	Thermal Science	doi: 10.2298/ThSci100503061T	(In Press)
220.	J. Léonard, Divya Sharma, B. Szafarowicz, K. Torgassin and S. Haacke	Formation dynamics and nature of Tryptophan's primary photoproduct in aqueous solution	Physical Chemistry Chemical Physics	12	15744 - 15750
221.	Divya Sharma, J Léonard and S Haacke	Ultrafast excited-state dynamics of Tryptophan in water observed by transient	Chem. Phys. Letters	489	99-102

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222.	M Shalini, A A Deshpande, Divya Sharma, D Mathur, Hema Ramachandran and N Kumar	Light scattering from a magnetically tunable dense random medium with weak dissipation : ferrofluid	Manuscript under revision in Euro Physics Letters	Submitted in Jan 2011	
223.	Rahul Sinha, Basudha Misra, Wei-shu Hou	Has new physics already been seen in $B_d$ meson decays?	Physical Review Letters	97	13180-2
224.	Basudha Misra, Jyoti Prasad Saha, Prasanta Kumar Das	$B_s \rightarrow \mu^+ \mu^-$ decay in the Randall-Sundrum model	Physical Review D	74	074011
225.	Jyoti Prasad Saha, Basudha Misra, Anirban Kundu	Constraining Scalar Leptoquarks from the K and B Sectors	Physical Review D	81	095011
226.	P K Sahoo	On Kantowski-Sachs Cosmic Strings Coupled with Maxwell fields in Bimetric Theory	International Journal of Theoretical Physics	49	25-30
227.	K S Tripathy, D Behera & P K Sahoo	Inhomogeneous Cosmological models in Bimetric theory of Gravitation	Communications in Physics	20(2)	121-127
228.	B Mishra, P K Sahoo & A Ramu	Scale Invariant Theory of Gravitation in Einstein-Rosen space-time	Journal of Modern Physics	1	185-189
229.	P K Sahoo, B Mishra and A Ramu	Bianchi types V & $VI_0$ cosmic strings coupled with Maxwell fields in Bimetric theory	International Journal of Theoretical Physics	50(2)	349-355
230.	K Podzelinska, R. Latimer, Anupam Bhattacharya, L Vinning, D L Zechel, Z Jia	The structure of CmlS, a flavin-dependent halogenase involved in the biosynthesis of chloramphenicol	Journal of Molecular Biology	397	316-331
231.	K Groom, Anupam Bhattacharya, D L Zechel	Rebecamycin and staurosporine biosynthesis: Insight into the mechanisms of the flavin-dependent monooxygenases RebC and StaC	ChemBioChem	12(3)	396-400
232.	Travis A White, Krishnan Rangan and	Synthesis, characterization, and study of the photophysics and photocatalytic properties	Journal of Photochemistry & Photobiology,	209	203-209

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	Karen J Brewer	of the photoinitiated electron collector $[(\text{phen})_2\text{Ru}(\text{dpp})_2\text{RhBr}_2](\text{PF}_6)_5$	A: Chemistry		
233.	S.Chopra and S Banerjee	Surface study of SiN thin films	J of Nanoscience & Nanotechnology	2010	
234.	K Ramaswamy et. al.	Optically pumped NMR	Phy. Rev	2010	B 82 085209
235.	ChandraSekhar, KVG, Rao VS, Conrad WD, Satish Reddy A, Brust P, Murali Krishna M	Synthesis and Preliminary <i>in vitro</i> and <i>in vivo</i> pharmacological evaluation of 2-[4-[4-(Substituted thiazolyl)phenylethyl]piperazin-1-yl]-1,8-naphthyridine-3-carbonitriles as atypical antipsychotic agents	J. Enzyme Inhib. Med. Chem.,	doi:10.3109/14756366.2010.537658.	-
236.	ChandraSekhar, KVG, Rao VS, Satish Reddy, A, Sunandini, R, Kumar Satuluri, VSA,	Solvent Free Microwave Accelerated Synthesis of Heterocyclic Thiazolidin-4-ones as Antimicrobial and Antifungal Agents.	Bull. Korean Chem.	31	1219-1222
237.	K Podzelinska, R Latimer, A Bhattacharya, L Vinning, D L Zechel, Z Jia	The structure of CmlS, a flavin-dependent halogenase involved in the biosynthesis of chloramphenicol	Journal of Molecular Biology,	397	316-331
238.	Banerjee D, Yogeewari P, Bhat P, Thomas A, Srividya M, Sriram D	Novel isatinyl thiosemicarbazones derivatives as potential molecule to combat HIV-TB co-infection	Eur J Med Chem.	--	--
239.	Yogeewari P, Arvind Semwal, Sriram D, Ragavendran JV, Sreevatsan, N, Monika Sharma	Antiallodynic and antihyperalgesic activities of anticonvulsant GABA derivatives in both sciatic and spinal nerve ligation models of neuropathic pain	Pharmacol. Online	1	634-647
240.	Annamdas V G M and Yang Y	Practical implementation of Piezo-ceramic sensors in monitoring of excavation for transit station construction in Singapore	Structural Control Health Monitor Published online ahead of print	<a href="http://dx.doi.org/10.1002/stc">http://dx.doi.org/10.1002/stc</a>	418
241.	Annamdas V G M, Yang Y and Soh C K	Impedance based Concrete Monitoring using Embedded PZT Sensors	International Journal of Civil & Structural Engineering	3(1)	414-424

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242.	Vasan, A and Slobodan S Simonovic	Optimization of Water Distribution Networks Using Differential Evolution	Journal of Water Resources Planning and Management	136(2).	279-287.
243.	Suman Kapur	Anti-diabetic herbal extract from C Borivillianum	Patent application No. 961/DEL/2008 (Office of Controller General of Patents Designs, and Trademarks)	The Patent Office Journal No. - 17/2010	11311-11317

#### Conference Proceedings:

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1.	Anshuman Dalvi	Electrical transport in Superionic thin films prepared by pulsed laser deposition	DAE Solid state Physics Symposium 2010	To appear online American Institute of Phys Manipal University	Manipal (Karnataka)
2.	Anshuman Dalvi	Electrical and electrochemical characterization of PEO-Ag <sub>2</sub> SO <sub>4</sub> composite polymer electrolytes	DAE Solid state Physics Symposium 2010	To appear online American Institute of Phys Manipal University	Manipal (Karnataka)
3.	Kenji Hamaguchi et al. including Kaushar Vaidya	A Smoking Gun in the Carina Nebula by	International Conference, AIP Conference Proceedings	Vol. 1248, 17, 2010	Aula Absidale di Santa Lucia - Bologna, Italy.
4.	B. Mittal & N. Singh	Does Salt concentration affect the unzipping of dsDNA?	Advances in Polymer Science & Technology	Pages: 323-330	National Institute of Technology, Hamirpur
5.	Cherin Joseph, Pradeep H Vallathol and Raj Kumar Gupta	Automatic localized deblurring in digital images	Second International Conference on Computer Engineering and Applications	1(2010), 520-524	Bali Island, Indonesia
6.	A K Digalwar and K S Sangwan	Knowledge management and employee empowerment for manufacturing	Proc. of the 3 <sup>rd</sup> international conference on advances in mechanical	707-712	SVNIT Surat

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		excellence – an empirical study	engineering		
7.	A K Digalwar, A R Tagalpallewar and V K Sunnapwar	Critical success factors for green manufacturing	Proc. of the 3rd international conference on advances in mechanical engineering	666-671	SVNIT Surat
8.	A K Digalwar and Koshlendra Pandey	Tools and techniques for virtual manufacturing	Golden Jubilee National Conference on Recent Advances in Manufacturing (RAM-2010)	33-38	SVNIT Surat
9.	A K Digalwar and Rahul Ramchandran	Advances in ball screw mechanism: A Review	Golden Jubilee National Conference on Recent Advances in Manufacturing (RAM-2010)	180-185	SVNIT Surat
10.	Girish Kant, Navneet Khanna and K S Sangwan	Modeling and simulation of orthogonal metal cutting process using finite element method	Proc. of the 3 <sup>rd</sup> international conference on advances in mechanical engineering	913-917	SVNIT Surat
11.	Navneet Khanna and K S Sangwan	Comparison of cutting tool performance in machining of Titanium alloys and Inconel 718 super alloy	Proc. of CIRP Fourth High Performance Cutting Conference	C11	Gifu, Japan
12.	Navneet Khanna and K S Sangwan	Cutting tool performance in machining of Ti555.3, Timetal®54M, Ti 6-2-4-6 and Ti 6-4 alloys: a review and analysis	Proc. of CIRP Second International conference on Process Machine Interactions	C22	Vancouver, Canada
13.	P J Singh and K S Sangwan	Product and process characteristics for green manufacturing: evidence from	Proc. of ASME 2010 International Manufacturing Science and Engineering	MSEC 2010-34077	Erie, Penn, USA

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		Indian SMEs	Conference		
14.	Dileep Kumar Gupta, M. S. Dasgupta	Gas Cooler Design Issues for Transcritical Carbon Dioxide Refrigeration System in Indian Context	3 <sup>rd</sup> International Conference on Advances in Mechanical Engineering (ICAME-2010)	229-233	SVNIT, Surat
15.	Rajneesh Kumar	Wavelet based switching loss measurement in a ZVT converter	International conference on Advances in Energy Conversion Technologies (ICAECT 2010)	308-314	MIT, Manipal
16.	Abhijit Asati and Dr. Chandra Shekhar	A 16*16 Baugh Wooley Multiplier Design Using Optimized Static CMOS Logic Style	International Conference On Communication, Computation and Nanotechnology (ICN-2010)	65-68	Bhalki
17.	Abhijit Asati and Dr. Chandra Shekhar	A Purely MUX based High speed barrel shifter design	International conference on Advances in Computer Vision and Information Technology, (ACVIT-09)	727-732	Aurangabad
18.	Abhijit Asati, S.K.Sahoo and Dr. Chandra Shekhar	Selection of optimum device size and trans-conductance ratio for high speed digital CMOS inverter design for a given fan out load	IEEE International Conference On Emerging Trends In Engineering and Technology, (ICETET-09)	121 - 124	Nagpur
19.	Gaurav Mahajan, Rakhi Narang, Manoj Saxena, V.K. Chaubey	2-D Subthreshold Analytical model for Short Channel Effects in Nanowire MOSFETs (Si, Ge)	Nirma University International Conference on Engineering (NUiCONE) 2010 on Current Trends in Technology	VDT-13	Ahmedabad
20.	Manoj K Dutta and V K Chaubey	Performance analysis of deflection routing and segmentation based dropping in optical burst	Photonics 2010	PST-07	Guwahati

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21.	Arvind Pawan R., Ajay Srinath, V.K.Chaubey	switched networks Tunability of a Quantum Dot based FET for multiple valued logic circuits: A modelling and simulation approach	Proc. 2nd IEEE International Nanoelectronics Conference, IEEE INEC 2010	EC-213	Hongkong, China
22.	Jithin P. Thomas, K.R.S.N. Kumar, Vamsidhar Addanki, Anu Gupta, Nitin Chaturved	Hardware Implementation Of A Biometric Fingerprint Identification System With Embedded Matlab	International Conference on Advances in Recent Technologies in Communication and Computing	9-12	Trivandrum, Kerala, India
23.	Menon, M.; Dhall, K.; Gupta, A.; Chaturvedi	Low Power Cascaded Three Stage Amplifier with Multipath Nested Miller Compensation	International Conference on Recent Trends in Information, Telecommunication and Computing (ITC),	9-12	Trivandrum, Kerala, India
24.	Ramachandran, R., Srinivas, J. and Anand, G.	A study on implementation of six-sigma tools and techniques in Indian industry using meta-analysis approach	Proceedings of the Second Annual Global Business Summit Conference (GBSC 2010)	166-187	Chennai
25.	Wazim Mohammed Ismail and Shibasish Chowdhury	Preference of Amino Acids in Different Protein Structural Classes: A Database Analysis	The Fourth International Conference on Bioinformatics and Biomedical Engineering	IEEE Xplore	Chengdu, China
26.	Vishal Saxena, Shilpi Garg, Dhanpat Kochar, Ashis Das	Apicoplast Genome of <i>Plasmodium vivax</i>	American Journal of Tropical Medicine & Hygiene	Vol. 83, Nov. 2010, No. 5, Pg. 220	Atlanta, USA
27.	Jaipal A, Pandey M.M. and Charde S.Y	Development And Evaluation of Buccal Mucoadhesive Drug Delivery Systems of Amlodipine	Tenth International Symposium on Advances in Technology and Business Potential of New Drug Delivery System-	P-6, Page 22	Mumbai

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		Besylate	Controlled Release Society -Indian Chapter. 2010.		
28.	Raut P.P. , Jaipal A., Manish K., and Charde S.Y	Formulation and Evaluation of Ondansetron pH Independent Controlled Release Tablet	Tenth International Symposium on Advances in Technology and Business Potential of New Drug Delivery System- Controlled Release Society -Indian Chapter. 2010.	P-87, Page-100	Mumbai
29.	Sekar Vasantha Kumar, Jeshu Manohar, Vidy a R, Atul K, Karthikeyan V, Emil Joseph, R. N Saha	Preparation and characterization of risperidone microparticulate drug delivery system	Tenth International Symposium on Advances in Technology and Business Potential of New Drug Delivery System- Controlled Release Society -Indian Chapter. 2010.	P-88, Page 101	Mumbai
30.	Gajendra Singh Chouhan	Save Our Languages: Act Now.	ACAH, Japan 2010-Conference Proceedings. The Asian Conference on Arts & Humanities	CD Proceedings	Osaka, Japan
31.	Devika Sangwan	Convergence of Cultures in Margo Lanagan's <i>Black Juice</i> and Jhumpa Lahiri's <i>Interpreter of Maladies</i> . Identity, Ethos and Ethnicity: Australia and India.	Conference Papers. Eds. Anuraag Sharma and Pradeep Trikha.: ARAWLII Publications	56-72	Ajmer.
32.	Sirish Kumar, K Haribabu, Chittaranjan Hota	Efficient Search in Peer-to-Peer Networks Using Fuzzy Logic	ICDCIT 2010	188-193	Bhubaneswar
33.	K Haribabu, Dushyant Arora, Bhavik Kothari, Chittaranjan Hota	Detecting Sybils in Peer-to-Peer Overlays using Neural Networks and CAPTCHAs	CICN 2010	CD Proceedings	Bhopal
34.	Yashvardhan	Multi-agent	CACS 2010	595-601	Singapore

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	Sharma, Prasanta Bhattacharya	Systems: A Novel Perspective			
35.	Yashvardhan Sharma, Prasanta Bhattacharya	Query optimization in spatio-temporal warehouses with query-sensitive storage	ICCET'10	CD Proceedings	Jodhpur
36.	Yashvardhan Sharma, Ch Abhishek	A Novel Method for Retrieving Data from a Spatio-Temporal Data Warehouse	DWDM 2010	CD Proceedings	Patiala
37.	Dinesh Kumar and S. B. Singh	Investigation of Postbuckling Strengths of Composite Laminate under In-plane Shear Load for Varying Cutout Locations	Proceedings of 55 <sup>th</sup> Congress of ISTAM NIT, December 18-21, (2010)	191-199	Hamirpur
38.	Mittal R.K.	Use of Waste Tire-Chip for Improvement of Bearing Capacity as a Replacement of Sand	Sixth International Congress on Environmental Geotechnics Published by Tata McGraw Hill	974-979	November 8-12, 2010
39.	Ram Shukla	<i>Measuring the Potential of open source web technologies in increasing the efficiency of Business firms</i>	International Conference on Decision Sciences in Managing Global Services - ISDSI 2010	CD Proceedings	MDI, Gurgaon
40.	Dipaloy Datta and Sushil Kumar	Reactive Extraction of Itaconic Acid using Tri-Octylamine (TOA) Dissolved in Different Diluents	International Symposium & 62nd Annual Session of IICChE (CHEMCON-2010)	pp 146 December 27-29, 2010	Department of Chemical Engineering, Annamalai University.
41.	Dipaloy Datta and Sushil Kumar	Separation of Nicotinic Acid from Aqueous Solution by Reactive Extraction using Tri-n-butyl phosphate and	Proceedings of The 17th Regional Symposium on Chemical Engineering (RSCE2010), Queen Sirikit National	Pp 312 November 22 to 23, 2010	Bangkok, Thailand

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		Tri-n-Octyl-amine in Decane-1-ol + Cyclohexane (1:1 v/v)	Convention Center		
42.	Mayank Anand Jha, Abhishek Chajjer, D Aditya and Suresh Gupta	Removal of Phenol from Wastewater using Ultrasonic Degradation	Proceedings of International Symposium & 63rd Annual Session of IChE in association with International Partners (CHEMCON-2010)	December 27-30, 2010	Department of Chemical Engineering, Annamalai University
43.	Pradipta Chattopadhyay	Coke Yield Prediction Using Pilot Unit Experimental Set up	Proceedings of International Symposium & 63rd Annual Session of IChE in association with International Partners (CHEMCON-2010)	December 27-30, 2010	Department of Chemical Engineering, Annamalai University
44.	Pratik N. Sheth, U. Amita and B.V.Babu	Experimental Studies On Gasification of Pine Wood Shavings in a Downdraft Biomass Gasifier	Proceedings of 2010 Annual Meeting of AIChE	November 7-12, 2010	Salt Lake City, UT
45.	Rishabh Kalia, Akash Tomar, and Suresh Gupta	Boundary Layer Flow over Porous Vertical Parallel Plates with Heat Radiation	Proceedings of International Symposium & 63rd Annual Session of IChE in association with International Partners (CHEMCON-2010)	December 27-30, 2010	Department of Chemical Engineering, Annamalai University
46.	Subhajt Majumder and Suresh Gupta	Biofiltration for Heavy Metals Removal: A State-of-the-art Review	Proceedings of International Symposium & 63rd Annual Session of IChE in association with International	December 27-30, 2010	Department of Chemical Engineering, Annamalai University
47.	Sushil Kumar, and B.V.Babu	Reactive Extraction of Nicotinic Acid Using with Tri-n-Octylamine Dissolved in Different Diluents	Proceedings of 2010 Annual Meeting of AIChE	November 7-12, 2010	Salt Lake City, UT
48.	Sushil Kumar,	Reactive	Proceedings of	December	Department of

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	T.R.Mavelly and B.V.Babu	Extraction of Carboxylic Acids (Butyric-, Lactic-, Tartaric-, Itaconic- Succinic- and Citric Acids) using Tri-n- Butylphosphate (TBP) Dissolved in 1-Dodecanol and n-Octane (1:1 v/v)	International Symposium & 63rd Annual Session of IChE in association with International	27-30, 2010	Chemical Engineering, Annamalai University
49.	U. Amita, Pratik N. Sheth, and B. V. Babu	Combined Transport and Kinetic Modeling of Downdraft Biomass Gasifier	Proceedings of 2010 Annual Meeting of AIChE	November 7-10, 2010	Salt Lake City, UT
50.	Utkarsh Maheshwari and Suresh Gupta	Kinetics and Equilibrium Studies of Chromium (VI) Removal from Aqueous Solutions using Neem Bark as a Low Cost Adsorbent	Proceedings of International Symposium & 63rd Annual Session of IChE in association with International	December 27-30, 2010	Department of Chemical Engineering, Annamalai University
51.	M. Venu, P.N.Rao ., V. Padmavathi	High Performance Concrete - Role of Admixtures	Proceedings of International Conference on Materials, Mechanics and Management (IMMM-2010),	January 14-16,	College of Engineering Trivandrum, Thiruvananthapuram, Kerala.
52.	Venu Malagavelli , P. N. Rao	Behavior of HDPE Fiber Reinforced Concrete	Proceedings of International Conference on Current Trends in Technology (NUiCONE– 2010)	December 09 – 11	Nirma University, Ahmedabad, Gujarat.
53.	P. Sankar Ganesh,	A wireless sensor network approach to monitor process temperature in composting heaps.	Proceeding of the International Conference on Mobile Internet Devices, ICMID 2010, Dec 2010	311-314	Hyderabad, India,

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54.	Suman Kapur, Devinder Kumar, Urvashi Kaushik, Nirupma Prakash and RP Pareek	Assessment of anemia in adolescents residing villages around Pilani	Proceedings of International Conference on 'Empowering Women in Developing Countries through Better Healthcare and Nutrition'	22-24 April 2010	Pilani, India