

Publications and Research Papers in Conferences etc.

DEPARTMENT OF ARCHITECTURE

List of Papers Presented At International Conferences

1. Satish Pipralia, "Rejuvenation of Informal Neighbourhoods: A case of Indore city, India, 6th International conference on Arts and Humanities, Honolulu, Hawaii, USA

List of Papers Presented At National Conferences

1. Rajeev Shringi, "Vertical Development of the cities", National Seminar on Intelligent Architectural Engineering-Global Challenges, Institute of Engineers(India)/Rajasthan State Centre held on 30-31 Oct'2007, Jaisalmer
2. Meenu Varshney, " Solid Waste Management for Environmental Sustainability", National Seminar on Intelligent Architectural Engineering-Global Challenges, Institute of Engineers(India)/Rajasthan state Centre held on 30-31 Oct'2007, Jaisalmer
3. Tarush Chandra, "Accounting Peri Urban Characteristics in Indian Metro," 56th National Congress , Kolkatta, Dec'07
3. Tarush Chandra, Kalpana Pandit, "An Interface with Architectural Education In India," National Seminar on Intelligent Architectural Engineering-Global Challenges, Institute of Engineers(India)/Rajasthan State Centre held on 30-31 Oct'2007, Jaisalmer

DEPARTMENT OF CIVIL ENGINEERING

Research Papers Published in International Journals:

1. Shandilya Kaushik K., Khare Mukesh, **Gupta A. B.** (2007) Suspended Particulate Matter concentrations in Rural-Industrial Satna and in Urban-Industrial South Delhi, J Environ Monitoring and Assessment, Netherlands, 128 (1-3), May.
2. G.D. Agrawal, A.P.S. Rathore and **A.B. Gupta.** (2007) Multiple regression analysis for the estimation of energy content of municipal solid waste, International Journal of Environment and Waste Management , Volume 1, Number 4, 376-390.
3. **Jat, Mahesh K.**, Khare, D., and Garg, P. K., Urbanisation and its impact on groundwater: A remote sensing and GIS based assessment approach, The Environmentalist, Springer Verlag Ltd. (**Accepted**)
4. **Jat, Mahesh Kumar**, Khare, D., and Garg, P. K., (2008), Degradation of watershed health due to urbanisation: a remote sensing and GIS based assessment, Urban Water Journal, Taylor and Francis Ltd. (**In Press**)
5. **Jat, Mahesh K.**, Garg, P. K., and Khare, D., (2008), Monitoring and Modelling of Urban sprawl Using Remote Sensing and GIS Techniques, International Journal of Applied Earth Observation and Geoinformation, 10, 26-43. Elsevier Sciences Ltd.
6. **Jat, Mahesh Kumar**, Garg, P. K., and Khare, D., (2007), Modelling of urban growth using spatial analysis techniques: A case study of Ajmer city (India), International Journal of Remote Sensing, Taylor and Francis Ltd, 29: 2, 543-567 (2007).

7. **Jat, Mahesh K.**, Khare, D., and Garg, P. K., (2007), Classification of Spectrally Mixing Land Use Classes: A Case Study of an Urban Fringe, *International Journal of Applied Remote Sensing*, Spectrum Sciences Inc., Vol. 1, No. 1, 29-43.
8. Khare, D., **Jat, Mahesh Kumar** , and Devasunder, J. K., (2007), Assessment of water resources allocation options: conjunctive use planning in a link canal command, *Resource Conservation and Recycling*, Elsevier Sciences Ltd., 51 (2007), 487-506.
9. Khare, D., Garg, P. K., **Jat, M. K.** and Dhore K., (2007), Selection of Optimum Canal Alignment Using GIS: River Interlinking Perspective, *Indian Journal Power and River Valley Development*, March-April, 112-121.
10. **Choudhary, M.**, and Chahar, B.R., (2006) "Recharge/ Seepage from an Array of Rectangular Channels." *Journal of Hydrology* Vol. 343, 71-79.

Research Papers Published in National Journals:

1. S. K. Gupta, **A. B. Gupta**, and R. C. Gupta (2007) "Nitrate toxicity and human health" in *Agricultural nitrogen use- Environmental implications*, Editors Y.P. Abrol, N. Raghuram and M.S. Sachdev, Narosa Publishers.
2. Dhheraj Bhatt, **Arun Gaur** and **A.B. Gupta**. (2008) Application and modification of FHWA model for noise prediction. *Indian Highways* 36(2) 57-64.
3. **Goyal, Rohit** and Arora, A.N. (2005, Published in July 2007), "Ground Water Modeling of Waterlogged Area in Hanumangarh & Sriganaganagar Districts of Rajasthan", *Bhu-Jal, Rajasthan Special Issue, J. Central Ground Water Board*, Ministry of Water Resources, Govt. of India, 20(3&4), Jul-Dec., 52-60.

List of Papers Presented At International Conferences

1. **Goyal, Rohit** and Arora, A.N. (2008). "Groundwater Modeling of Waterlogged Area of Indira Gandhi Nahar Pariyaojna, Stage – I." *International Conf. on Groundwater Dynamics and Global Change*, University of Rajasthan, Jaipur, 19-22 March.
2. Kushwaha, R.K., Pandit, M.K. and **Goyal, Rohit** (2008). "Ground Water Management using Ground Water Modeling Approach in Northern Part of Mendha Sub-Basin, NE Rajasthan, India." *International Conf. on Groundwater Dynamics and Global Change*, University of Rajasthan, Jaipur, 19-22 March.
3. Arora, A.N. and **Goyal, Rohit** (2008). "Socioeconomic Impacts of Canal Irrigation Projects in Arid and Semiarid Zones – A Case Study of Indira Gandhi Nahar Pariyोजना Stage – I." *International Conf. on Groundwater Dynamics and Global Change*, University of Rajasthan, Jaipur, 19-22 March.
4. **Vyas, A.K.** (2007) "Failure of Buildings during Earthquake Disasters - A Critical Study" in the 17th World Conference on Disaster Management scheduled July 8-11 at Toronto.
5. Khare, D., and Garg, P. K., **Jat, Mahesh K.**, (2007), Impact of Urbanisation on Watershed Hydrology and Hydrogeology, In *Proceedings of ASABE Forth Conference on Watershed Management to Meet Water Quality Standards and TMDLS Issues: Solutions and Impediments to Watershed Management and TMDLS*, 19-23, held at Crowne Plaza Riverwalk, San Antonio, Texas (USA).

List of Papers Presented At National Conferences

1. **A.B. Gupta** (2007) Advances in biological nitrogen removal, presented as distinguished speaker at Technical seminar on water and wastewater management, Jaipur organized by “Everything about water”, New Delhi, August.
2. George Suja, Prabhat Pandit, **A.B.Gupta**, Sunil K. Gupta (2007) Defluoridation using Aluminium Salts presented by Ms Suja George as distinguished speaker at Technical seminar on water and wastewater management, Jaipur organized by “Everything about water”, New Delhi, August 3.
3. Patil S.B., **A.B. Gupta**, **A.K. Vyas**, A.N. Arora and **Pawan Kalla** (2007), “Use of industrial slag as a highway material- an engineering and environmental evaluation”, 68th annual session of IRC, October 16-19.
4. **Goyal, Rohit** and Arora, A.N. (2007). “Groundwater Modeling of Waterlogged Area of IGNP.” Proc. of Conf. Hydro 2007. ISH, SVNIT, Surat, 21st-22nd Dec.
5. Paul, D., Sharda, N., Jain, S., Dwivedi, V. and **Goyal, R.** (2007). “Urban Storm Drainage Management for Jaipur City.” Proc. of Conf. Hydro 2007, ISH, SVNIT, Surat, 21st-22nd Dec.
6. **Goyal, Rohit** and Arora, A.N. (2007). “Multivariate Statistical Analysis of Remote Sensing Data.” First National Conference on Geo-Visualization Design, Research, and Practice (GVDRP-2007), National Institute of Design (NID), Ahmedabad, 28th-30th November.
7. Kongre, D.N., Ashok K. and **Goyal, Rohit.** (2007). “Planning and Designing of Drains for Bayana, Rajasthan using Remote Sensing and GIS.” National Conference on Water and Waste Management (NCWWM). JNTU College of Engg., Kakinada, A.P., 23-24 April. Pp. 77-85.
8. Patil, S.B., **Vyas, A.K., Gupta, A.B.** (2007), “An overview of Solid Waste Utilization Technologies” presented in Seminar on Advances in structural Engineering and Concrete Technology at Institution of Engineers (India), Jaipur, 14-15 April.
9. **Choudhary, M.**, (2007), “Integration of Traditional Knowledge Systems and Modern Engineering Systems for Rural Water Management in Arid Regions”, Bharatiya Vigyan Sammelan-2007, organized by the M.P. Council of Science and Technology at Bhopal, Nov 23-25, 2007.

DEPARTMENT OF COMPUTER ENGINEERING

Research Papers Published in International Journals:

- 1) MS Gaur, V. Laxmi, “Development of a low cost smart card based secure information exchange system with tamper-proofing features”, International Journal of Product Development, Vol 5, Nos. 1/2, pp. 176-187, 2008.
- 2) Neeta Nain, Vijay laxmi and Bhavitavya Bhadviya, "Area Computation of Convex Shapes by Method of Triangulation" The International Journal on Advances in Computer Vision, Vol 1, ISSN # 0974-0767.

List of Papers Presented At International Conferences

- 1) M. C. Govil, Gaurav Day, Loveena Sharma, S Bhattacharya and S. Bansal, "Applying Mobile Agents to Intrusion Detection and Response", National Conference on Emerging Trends and Application in Computer Engineering (NCETA-2007), Ajmer, 2007.
- 2) MS Gaur, Automation of University Administration using an Open Source Content Management System, Invited Tutorial in *IEEE International Conference on Digital Information Management (ICDIM)*, December 06-08, 2006, Bangalore, India
- 3) Lavina Jain, B.M.Al-Hashimi, M.S.Gaur, V.Laxmi, A.Narayanan. NIRGAM: A Simulator for NoC Interconnect Routing Algorithms' Modeling. Design Automation and Test in Europe, 2007 (DATE'07), April 16-20, 2007, Nice, France.
- 4) G.Singh, MC Govil, Prateek Jain, Siddharth. "Modeling of Agent based Real-Time Systems". International Conference on Soft Computing and Intelligent Systems (ICSCIS'07) - Vol. II, Jabalpur, India, 27-29th December 2007, pp. 42-48, (2007).
- 5) G.Singh, MC Govil, Prateek Jain, Siddharth. "DEMY_ARTS: Development Methodology for Agent based Real Time Systems". Recent Applications of Soft Computing in Engineering & Technology (RASJET-07) - Vol. II, Alwar, India, 22-23rd December 2007, pp. 247-252, (2007).
- 6) Raghvendra Narasimhan, V. Laxmi, "Swarm Intelligence in Image Processing", International Conference on Information and Communication Technology (IICT-07), Dehradun July 2007.
- 7) Neeta Nain , Vijay Laxmi, "Corner Detection Using Difference Chain Code as Curvature", Paper-Id-37, SITIS07, The Third IEEE, International Conference on Signal-Image Technology & Internet Based Systems, 16 – 19 December, 2007
- 8) Neeta Nain, Vijal Laxmi, "Optimizing Task Distribution for Heterogeneous Desktop", The 2007 World Congress in Computer Science, Computer Engineering, and Applied Computing, Vol II, pp. 535 - 540, Las Vegas, Nevada, USA, June 25-28, 2007
- 9) Neeta Nain, Vijal Laxmi, "Transformation Invariant Robust Shape Analysis", The 2007 World Congress in Computer Science, Computer Engineering, and Applied Computing, pp. 275 - 281, Las Vegas, Nevada, USA, June 25-28, 2007
- 10) Neeta Nain, Vijal Laxmi, "Watermarked Intelligent Pictures", National Conference on Power Electronics & Intelligent Control, MC-6, March 17-18, 2007
- 11) Neeta Nain, Vijal Laxmi, "Difference Chain Coded Technique for Corner Detection", Paper-Id-599-024, IASTED, International Conference on Signal Processing, Pattern Recognition and Applications (SPPRA 2008), 13-15 February, 2008, Innsbruck, Austria.
- 12) Neeta Nain, Vijal Laxmi, "Area Computation of Convex Shapes by Method of Triangulation", International Conference on Data Management ICDM, Institute of Management Technology (IMT) Ghaziabad, India, February 25-26, 2008.
Selected for International Journal Publication also.

- 13) Neeta Nain, Vijal Laxmi, "Shape Representation as a list of Line Segments", International Conference on Data Management ICDM 2008 25 to 26 February 2008, Institute of Management Technology (IMT) Ghaziabad, India, February 25-26, 2008. **Selected for International Journal Publication also**
- 14) N. Mittal, H. Shreedharan, M. C. Govil, "XML processing using Java", National Conference on Recent advancement in Information Technology, pp 65-71, Feb 2007.
- 15) N. Mittal, M. C. Govil, "Concurrency Control Design Protocol in Real Time Distributed Data Bases", ETCC'07, NIT Hamirpur, July 2007, pp 155-160.
- 16) N. Mittal et. al, "Ontology based Personalized Web Search", International Conference on Advance Computing & Communication Technologies, Nov. 3-4, 2007, Panipat, India, pp 147-150.
- 17) N Mittal et al "A Hybrid Clustering Based Filtering Approach with Efficient Sequencing" IAENG International conference on Data Mining Application (ICDMA -08) 19-21 March 08, HongKong , 517-520
- 18) N Mittal, M C Govil, Richi Nayak "Information Retrieval Based on User Modeling using (semi) Automatic Extraction of User Interests "International Conference on Data Management (ICDM-2008) 25-26 Feb 08 ,Ghaziabad, UP India, 193-200
- 19) Dinesh Gopalani, M.C.Govil, "Client-side Filter Object Model", ICSCIS (International Conference on Soft Computing and Intelligent Systems", Jabalpur, December 2007.

Books Published

S. No.	Title	Author	Publisher
1.	Computer Architecture and Organization	Mrs. Neeta Nain	Genius Publication

DEPARTMENT OF ELECTRICAL ENGINEERING

Research Papers Published in International Journals:

1. R.R Joshi, R.A Gupta, A.K Wadhwani, "Enhanced dynamic performance of matrix converter cage drive nero-fuzzy approach", International journal of Theoretical and applied Information Technology, volume 3, no. 2, pp. 19-27, June 2007.
2. R.R Joshi, R.A Gupta, A.K Wadhwani, "Adaptive back-stepping controller design and implementation for a matrix converter based IM drive system", International journal of Theoretical and applied Information Technology, volume 3, no. 2, pp. 28-40, June 2007.
3. A.K Sharma, R.A Gupta, Laxmi Srivastava, "Performance of ANN based indirect vector control Induction motor drive", Journal of Theoretical and applied Information technology, vol. 3, pp. 50-55, Sept. 2007.

4. R.R Joshi, R.A Gupta, A.K Wadhvani, "Optimal Intelligent controller for matrix converter induction motor drive system", International Iranian journal of Electrical and computer Engineering (IIJECE), Iran, volume 6, no. 1, pp. 1-7, Winter- Spring 2007.

Research Papers Published in National Journals:

1. R.R Joshi, R.A Gupta, A.K. Wadhvani, "Experimental investigation on Ride through capabilities of closed loop controlled matrix converter fed cage drive", IETE Technical Review journal, vol. 24, no. 2, pp. 81-86, March-April 2007.
2. R.R Joshi, R.A Gupta, A.k Wadhvani, "Artificial Intelligence based DTC controlled Matrix converter cage drive system", IETE journal of research, volume 53, no. 4, pp. 1-7, July- August 2007.
3. R.R Joshi, R.A Gupta, A.k Wadhvani, "Reduced harmonic pollution: Intelligent switching strategy for matrix converter", IETE journal of research, volume 53, no. 3, pp. 1-10, July- August 2007.
4. R.R Joshi, R.A Gupta, A.K Wadhvani, "Improved dynamic and steady state performance of closed loop vector controlled matrix converter fed cage drive", IE(I) journal- EL, vol. 88, pp. 15-19, Dec. 2007.

List of Papers Presented At International Conferences

1. Fozdar Manoj. (2007). "GA based optimization of thyristor controlled series capacitor (TCSC)" . Forty Second International Universities Power Engg. Conference(UPEC 2007) ,Brighton,UK,Sept. 2007.
2. Fozdar Manoj, U.R Gottipatti,C.M Arora (2007). "Recent trends in intelligent techniques to power systems" . Forty Second International Universities Power Engg. Conference(UPEC 2007) ,Brighton,UK,Sept. 2007.
3. Niazi K.R,Farooqi M.F, "Feeder Reconfiguration for Complex Power Loss Minimization using Load Flow", International Conference Recent Advancements and Applications of Computer in Electrical Engineering, March 24-27, 2007, Bikaner, India.
4. Anil Swarnkar, Niazi K.R"Power System Security Evaluation and Preventive Control using Classification and Regression Tree" 9th WSEAS Int. Conf. on MATHEMATICAL METHODS AND COMPUTATIONAL TECHNIQUES IN ELECTRICAL ENGINEERING (MMACTEE'07) at Arcachon, France, October 13-15, 2007 .
5. Farooqi M.F, Niazi K.R, Agarwal Praveen, "Multi-Objective Distribution Feeder Reconfiguration." 3rd WSEAS / IASME Int.Conf. on Educational Technologies(EDUTE'07) at Arcachon, France, Oct., 13-15, 2007 .
6. Rajesh Kumar, R.A. Gupta, Ajay Kr. Bansal, "Identification and Control of PMSM using Artificial Neural Networks", IEEE International Symposium on Industrial Electronics (ISIE2007), Vigo, SPAIN, pp. 30-35, June2007.

7. Rajesh Kumar, R.A Gupta, S.V Bhangale, "A simulink based Dynamic modeling and analysis of high performance Induction motor drive", International conf. on modeling and simulation in association with AMSE, France, kolkata, India, 3-5 Dec., 2007.
8. Rajesh Kumar, R.A Gupta, S.V Bhangale, "A PFC based high performance Induction motor drive", International conf. on modeling and simulation in association with AMSE, France, kolkata, India, 3-5 Dec., 2007.
9. Rajesh Kumar, R.A Gupta, Saurabh Goyal, Parikshit Yadav, "Design, analysis and simulation of DC to DC Flyback converter", International conf. on modeling and simulation in association with AMSE, France, kolkata, India, 3-5 Dec., 2007.
10. Rajesh Kumar, R.A Gupta, Ajay Kumar Bansal, "Novel topologies for identification and control of PMSM using Artificial neural network", IET-UK International conference on information and communication technology in Electrical Science (ICTES 2007), Dr. M. G. R. University, Chennai, tamilnadu, India, 20-22 Dec. , 2007.
11. Rajesh Kumar, R.A Gupta, S.V Bhangale, "Artificial neural network based Direct torque Control of Induction Motor Drive", IET-UK International conference on information and communication technology in Electrical Science (ICTES 2007), Dr. M. G. R. University, Chennai, tamilnadu, India, 20-22 Dec. , 2007.
12. Rajesh Kumar, R.A Gupta, S.V Bhangale, "Indirect vector controlled induction motor drive with fuzzy logic based intelligent controller", IET-UK International conference on information and communication technology in Electrical Science (ICTES 2007), Dr. M. G. R. University, Chennai, tamilnadu, India, 20-22 Dec. , 2007.
13. R.A Gupta, Rajesh Kumar, Manoj Gupta, "An Investigation Towards Applications Of Soft Computing In Analysis Of Power Quality Disturbances", International conference on recent applications of soft computing in Engineering & Technology, Inst. Of Tech. and Engg., Alwar, Rajasthan, 22-23 Dec, 2007.
14. R.A Gupta, Rajesh Kumar, Ajay Kumar Bansal, "Fuzzy PI Controller for Permanent Magnet Brushless D C Motor", International conference on recent applications of soft computing in Engineering & Technology, Inst. Of Tech. and Engg., Alwar, Rajasthan, 22-23 Dec, 2007.
15. R.A Gupta, Rajesh Kumar, S.K Bishnoi, "Hardware Implementation of switched Reluctance motor Drive in Open Lop Mode", International conference on recent applications of soft computing in Engineering & Technology, Inst. Of Tech. and Engg., Alwar, Rajasthan, 22-23 Dec, 2007.

16. R.A Gupta, Rajesh Kumar, Bharat Bhushan Jain, "Matlab/Simulink Model of Autotransformer for 18-phase AC-DC Converters fed Vector Controlled Induction Motor Drives", International conference on recent applications of soft computing in Engineering & Technology, Inst. Of Tech. and Engg., Alwar, Rajasthan, 22-23 Dec, 2007.
17. A.k Sharma, R.A Gupta, Laxmi Srivastav , "Neural Network Application In Indirect Vector Control Induction Motor Drivers For Energy Saving", International conference on recent applications of soft computing in Engineering & Technology, Inst. Of Tech. and Engg., Alwar, Rajasthan, 22-23 Dec, 2007.
18. A.K Sharma, R.A Gupta, Laxmi Srivastav, "A New Technique For Energy Reduction In Induction Motor Drives Using Artificial Neural Network", International conference on recent applications of soft computing in Engineering & Technology, Inst. Of Tech. and Engg., Alwar, Rajasthan, 22-23 Dec, 2007.
19. R.A Gupta, Rajesh Kumar, Ajay Kumar Bansal, Virendra Sangtani, "Calculated M-Values of Matrix Converters", International conference on recent applications of soft computing in Engineering & Technology, Inst. Of Tech. and Engg., Alwar, Rajasthan, 22-23 Dec, 2007.
20. R.A Gupta, Rajesh Kumar, Rajesh Kumar, R.A Gupta, S.V Bhangale, "Simulation and Analysis of the Direct vector Control of induction motor drive considering core loss", International conference on recent applications of soft computing in Engineering & Technology, Inst. Of Tech. and Engg., Alwar, Rajasthan, 22-23 Dec, 2007.
21. Ramesh Pachar, H.P. Tiwari, Nikita Jahanjharia and Simrath Surana , "Simulation Study Of GTO Based Static Transfer Switch Using MATLAB", Proceeding of 6th WSEAS International Conference On Circuit, System, Electronics, Control & Signal Processing CSECS`07 Page 264-269, Catro, Egypt, Dec. 29th-31st , 2007.

List of Papers Presented At National Conferences

1. Kiran, Niazi K.R "Reconfiguration of Distribution Systems using ANN", Proc. National Conf. Role of Computer & Electronics in Power Systems 13-15 July 2007 pp 90-96
2. Bansal Sanjay, Niazi K.R "Power System Performance Improvement using FACTS Controllers", Proc. National Conf. Role of Computer & Electronics in Power Systems 13-15 July 2007 pp 159-165.
3. R. A. Gupta, Rajesh Kumar, S.V. Bhangale, "Real Time PC-based Simulator of Electric Drives Systems", National Conference on Role of Computers and Electronics in Power System (NCEE- 07), JECRC Jaipur, Rajasthan, INDIA, pp. 218-222, July 2007.

4. R. A. Gupta, Rajesh Kumar, Ajay Kr. Bansal, Virendra Sangtani, "Simulation of Induction Motor through Matrix Converter", National Conference on Role of Computers and Electronics in Power System (NCEE-07), JECRC Jaipur, Rajasthan, INDIA, pp. 223-228, July 2007.
5. R. A. Gupta, Rajesh Kumar, Ajay Kr. Bansal, "Identification and control of PMSM using Neural Network with Voltage Topology", National Conference on Role of Computers and Electronics in Power System (NCEE-07), JECRC Jaipur, Rajasthan, INDIA, pp. 229-234, July 2007.
6. R. A. Gupta, Rajesh Kumar, S. K. Bishnoi, "Converter Topologies for High performance Switched Reluctance Motor Drives", National Conference on Role of Computers and Electronics in Power System (NCEE-07), JECRC Jaipur, Rajasthan, INDIA, pp. 240-246, July 2007.
7. Rajesh Kumar, R. A. Gupta, Manoj Gupta, "Classification of Power Quality Disturbances Using Fuzzy Logic", National Conference on Role of Computers and Electronics in Power System (NCEE-07), JECRC Jaipur, Rajasthan, INDIA, pp. 307-310, July 2007.
8. H.P. Tiwari, Nikita Jahanjhar and Simrath Surana, "Power Quality Improvement of Sensitive Load". Proceeding of National Conference on "Strategies for an Energy Sufficient INDIA", S.K.I.T. Jaipur , 09 Feb 2008.
9. H.P. Tiwari, Sunil Gupta, Ramesh Pachhar, "Modern Trend in Wind Energy". Proceeding of National Conference on "Strategies for an Energy sufficient INDIA", S.K.I.T, Jaipur 09 Feb.2008.
10. Rajendra Prasad Neel, H.P. Tiwari, Satish Kumar, "Non Conventional Energy Sources For Fuel And Electricity", Proceeding of National Conference on "Strategies for an Energy sufficient INDIA", Place-S.K.I.T, Jaipur 09 Feb 2008.
11. Swati Singh, Dr. H.P. Tiwari, Dr.Rajesh Kumar, "Modeling & Simulation of Linear Induction Motor based on MATLAB/ SIMULINK, Proceeding of National Conference on Recent applications of Soft Computing in Engineering & Technology" Dec. 22nd to 23rd , 2007.
12. H.P.Tiwari, and Rajendra Prasad Neel, "Loss Reduction in Distribution System With Genetic Algorithm" Proceeding of National Conference on 'Advances in Power Systems and Energy Management, Chitkara Institute of Engineering and Tech. Patiala, March 1- 2 , 2007.

13. H.P.Tiwari, V.K Jain and Rajendra Prasad Neel, “ Restructuring of power sector in India” in All India Seminar on “Bridging the demand gap and Alternative sources of Energy” organized by the Rajasthan state center, The Institution of Engineers (India) on Feb,23-24,2008 at Jaipur.
14. V.K.Jain, Rahul Singh and Kamlesh Kr. Khader,” Optimal location and controller design of STATCOM for power system stability improvement using PSO” in Ntional conference on strategies for an energy sufficient India 2008 on 9/2/2008 at SKIT,Jaipur

Books Published

S. No.	Title	Author	Publisher
1.	Electrical and Electronics Engineering Edition Third	Dr. K.R.Niazi	Genius Publications, Jaipur 2007
2.	Fundamentals of Instrumentation	R. A. Gupta, Ajay Kr. Bansal, Virendra Sangtani	Neelkanth Publishers (P) Ltd.
3	Electronics Devices and Circuits- I, Fifth Edition	H.P. Tiwari and Kamal Malav	Ashirawad Publication Jaipur.
4	Electronics Devices and Circuits- II, Fifth Edition	H.P. Tiwari and Kamal Malav	Ashirawad Publication Jaipur.
5	Electromagnetic Field Theory , Fifth Edition	H.P. Tiwari and Kamal Malav	Ashirawad Publication Jaipur.
6	Electrical and Electronic Engineering , Sixth Edition	H.P. Tiwari	Ashirawad Publication Jaipur.
7.	8085 Microprocessor	Anil Swarnkar	Genius Publication
8..	8086 Microprocessor	Anil Swarnkar	Genius Publication

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Research Papers Published in International Journals:

1. Narendra Singh Yadav and R.P.Yadav, “Influence of periodic control messages on the performance of Mobile Ad hoc NETWORKS (MANET)”, accepted for International Journal of Computer Science and Applications (IJCSA)
2. Narendra Singh Yadav and R.P.Yadav, “Source routing in mobile ad hoc networks”, submitted first revision to International Journal on Wireless and Optical Communications (IJWOC).
3. K. K. Sharma, and S. D. Joshi, “Uncertainty principle for real signals in the linear canonical transform domains,” Accepted for publication in IEEE Trans. Sig. Proc.
4. K. K. Sharma, and S. D. Joshi, “Extrapolation of signals using the method of alternating projections in the Fractional Fourier transform domains,” Accepted for publication in the Journal of signal, video, and image processing

5. V. Janyani, A. Vukovic, T. Benson, J.D. Paul, P. Sewell, "Dynamics of Pulse Propagation in Phase-Shifted Fibre Bragg Gratings: A Numerical Investigation", Journal of Optical and Quantum Electronics, vol. 39, numbers 9, pp. 709-716, July 2007.
6. E. Romanova, V. Janyani, A. Vukovic, P. Sewell, T. Benson, "Models of Non-Linear Waveguide Excitation by Non-Stationary Light Beam", Journal of Optical and Quantum Electronics, vol. 39, numbers 10-11, pp. 813-823, August 2007.

Research Papers Published in National Journals:

1. G. Chaudhary, V. Janyani, "Characterization of Uniform and Sampled Fiber Bragg Gratings", Journal of Optics, Accepted for publication.
2. V. Janyani, "Formation and Propagation-Dynamics of Primary and Secondary Soliton-like Pulses in Bulk Nonlinear Media", Journal of Optics, Accepted for Publication.

List of Papers Presented At International Conferences

1. Narendra Singh Yadav and R.P.Yadav, "Performance evaluation and comparison of Ad hoc Source routing protocols", in Proc. IEEE sponsored International Conference on Recent Applications of Soft Computing In Engineering & Technology (RASJET), Alwar, December 22-23, 2007
2. Narendra Singh Yadav and R.P.Yadav, "Influence of clustering on the performance of Mobile Ad hoc NETWORKS (MANET)", in Proc. International Conference on Soft Computing and Intelligent Systems, Jabalpur, December 27-29, 2007
3. Lokesh Tharani, R.P. Yadav, "Performance Comparison of Non-Linear Suboptimal Multiuser Detectors for DS-CDMA Systems", Proceeding of International Conference On Emerging Technologies and Applications in Engineering, Technology and Sciences (ICETAETS-08), Vol. 1, page No. 354-359, Rajkot, Gujarat, India, 13-14 January 2008.
4. Lokesh Tharani, R.P. Yadav, "Performance Evolution of Multistage Multiuser Detector for Asynchronous DS-CDMA System", **IEEE Proceeding published by IEEE computer society press** of International Conference on Computational Intelligence and Multimedia Applications - 2007 (ICCIMA'07), Vol. IV, Page No. 316-321, ISBN 0-7695-3050-8, Dec 13-15,2007, Sivkasi, India
5. Lokesh Tharani, R.P. Yadav, "Non-Linear Suboptimal Multiuser Detector for DS-CDMA Systems", Proceeding of International conference on Soft Computing and Intelligent Systems (ICSCIS-2007)" Vol. III, Page No. 176-180, Jabalpur Engineering College, Jabalpur (M.P), India, December 27-29, 2007.
6. Lokesh Tharani, R.P. Yadav, "Linear Multiuser Detectors for DS-CDMA Systems", Proceeding of **IEEE sponsored** International conference on Recant application of soft computing in Engineering & Technology (RASJET-07), Page No. 295-302, IET Alwar, India during December 22-23, 2007.

7. Sharma M.M, Ranga Yogeshwar, Yadav R.P. “Slotted Microstrip-Line-Fed shorted compact Microstrip antenna with dual band operation”. International Conference on Radio Sciences, February 2008, Jodhpur.
8. Sharma M.M, Bajia N.C, Yadav R.P. “Broadband Microstrip antenna using rectangular patch with T-shaped slot for Wi-Max” International Conference on Radio Sciences, February 2008, Jodhpur.
9. Sharma M.M, Srivastava Varun, Yadav R.P. “Slotted triangular Microstrip Patch antenna for MBWA protocols (IEEE 802.20)” International Conference on Radio Sciences, February 2008, Jodhpur.
10. V. Janyani, “Short Pulse Propagation through Dispersive and Lossy Dielectric Materials: Time-Domain Simulation”, Proceedings of the Asia Pacific Microwave Conference (APMC 2007), Bangkok, Thailand, Dec. 11-14, 2007.
11. E. Romanova, V.Janyani, A.Vukovic, P.Sewell, T.Benson “Design of Non-Linear Guiding Structures for Processing of the Ultra-Short Laser Pulses”, 9th International Conference on Transparent Optical Networks (ICTON-2007), Rome, Italy, pp 272-275, July 1-5, 2007,.
12. Elena Romanova, Vijay Janyani, Ana Vukovic, Phillip Sewell and Trevor Benson, “Models of Non-Stationary Light Beam Propagation in Open Waveguide Excitation Problems”, Proceedings of the XVI International Workshop on Optical Waveguide Theory and Numerical Modelling, Copenhagen, Denmark, pp 91, April 27-28, 2007.

List of Papers Presented At National Conferences

1. Narendra Singh Yadav, Bhaskar P. Deosarkar and R.P.Yadav, “On the routing overhead in infrastructureless multihop wireless networks”, in Proc. National Conference on Communication Systems and Networking, Guna, March 15-16, 2008
2. Sharma M.M, Gupta Swati, Bhatnagar Deepak, Yadav R.P. “Compact Microstrip antenna for Wi-Max applications” *Workshop cum symposium on Electromagnetic fields: Bio-Interactions, Applications and Mobile Computing Electromagnetic Pollution, March 2008, JNU Delhi.*
3. Sharma M.M, Yadav R.P, Sighal Anshat, Agarwal Abhishek. “Recent trends and applications of PSO and GA in atch antenna design” *Workshop cum symposium on Electromagnetic fields: Bio-Interactions, Applications and Mobile Computing Electromagnetic Pollution, March 2008, JNU Delhi.*
4. Ghanshyam Singh, R.P.Yadav, V.Janyani and S.Mahipal “Ultrafast Optical switches and an Important Use for Moveable Users: A Review” National Conf. on Communication Systems and Networking, JIET, Guna, M.P, March 15-16, 2008.

DEPARTMENT OF MECHANICAL ENGINEERING

Research Papers Published in International Journals:

1. Jain, R. and Yadav, O.P. (2007), "The propagation of benchmarking concepts in Indian manufacturing industry", *Benchmarking: An International Journal*, Vol.15, No.1 , 2008
2. Yadav, O.P., Jain, R. and Bimal, N. (2007), "Managing product development process complexity and challenges: a state-of-the-art review, *Journal of Design Research*, Vol. 6 No. 4, pp. 487-508.
3. Dangayach, G.S. and Deshmukh, S.G., Manufacturing Flexibility: A Multi-sector Study of Indian Companies, *International Journal of Manufacturing Research*, 2, 2, 225-242, (2007).
4. Radha Krishna and Dangayach, G.S., Six-Sigma Implementation at an Auto Component Manufacturing Plant: A Case Study, *International Journal of Six Sigma and Competitive Advantage*, 3, 3, 282-302, (2007).
5. Mathur J. (2007); Energy Technologies for Rural Areas - Decentralized Power Generation Through MARKAL Modeling, *I.J. Energy Technology and Policy*, Vol.5 No.3 pp. 355-365.
6. Mathur J., Agrawal N., Shah N., Swaroop R. (2008); Economics of Producing Hydrogen as Transportation Fuel Using Offshore Wind Energy Systems, *I.J. Energy Policy*, Vol. 36, pp. 1212-1222.
7. Chaudhary H., Saha S.K., 2008, "Balancing of Shaking Force and Shaking Moment for Planar Mechanisms Using the Equipomental Systems," *Mechanism and Machine*, 43(3), pp. 310-334.
8. Chaudhary H., Saha S.K., 2008, "An Optimization Technique for the Balancing of Spatial Mechanisms," *Mechanism and Machine Theory*, 43(4), pp. 509-522.
9. Chaudhary H., Saha S.K., 2007, "Balancing of Four-bar Linkages Using Maximum Recursive Dynamic Algorithm," *Mechanism and Machine Theory*, 42(2), pp. 216-232.
10. Chaudhary H., Saha S.K., 2007, "Constraint Force Formulation for Closed-loop Systems Using Two-Level Recursions," *Trans. Of ASME, Journal of Mechanical Design*, 129, pp. 1234-1242.
11. Saraf R.R., Thipse S.S. and Saxena P. K., (2007), "Comparative Performance analysis of LPG/Gasoline bi-fuel passenger car engines" SAE paper no SAE 2007-01-2132.

Research Papers Published in National Journals:

1. Sharma, A.K. and Dangayach, G.S., Entrepreneurship in Heavy Engineering, *Journal of Entrepreneurship*, 3, 31-35, (2007)
2. Rajoria, R.P., Dangayach, G.S. and Gupta, S.K., Process Capability Improvement of Roll Heading, *Journal of Manufacturing Engineering*, 2, 1, 17-20, (2007)
3. Gidwani, B.D. and Dangayach, G.S., Approach for Technology Entrepreneurship: Role in Engineering Education, *Journal of Entrepreneurship*, 3, 66-74, (2007)
4. Chaudhary H., Saha S.K., 2007, "Dynamic Performance Improvement of a Carpet Strapping Machine," *Journal of Scientific & Industrial Research*, 66, pp.1002-1010.

5. Saraf R.R., Thipse S.S. and Saxena P. K., (2007), "HCCI-New technology to reduce pollutants in gasoline injected engines", **Journal of nature, Environment and pollution control technology**, volume 6, No-2, June-2007

List of Papers Presented At International Conferences

1. Ugandhar Puli and A. K. Rajvanshi, "An assessment of high speed visualization studies of subcooled flow boiling" International conference on Recent trends in Mechanical Engineering held at Ujjain Engineering College, Ujjain, Oct. 4-6, 2007.
2. Jain, R. and Rajurkar, S. (2008), "Challenges in the food supply chain : A case study of an Indian Dairy plant" International Conference on Issues and Challenges in Supply Chain Management organised by IT-BHU, Varanasi from March 28-30.
3. Jain, R. and Pawar, A., and Rathore APS. (2007), "Implementation of benchmarking concepts in SMEs- An empirical study of Indian automobile industry" XI Annual International Conference of the Society of Operations Management, December, 21-23, 2007
4. Jain, R., Upasani, SH. And Rathore APS. (2007), " Lean thinking in the Indian food processing industry" XI Annual International Conference of the Society of Operations Management, December, 21-23, 2007
5. Jain, R (2007), " New Challenges in Indian food industry" International Conference on food processing industry" Jaipur, August 28 – September 2.
6. Jain, R., Yadav, O.P., and Rathore, A.P.S. (2007), "Enhancing human resource quality through Quality Function Deployment", *International Conference on Quality Management Practices for organizational excellence*, August 16-17.
7. Rajoria, R.P., Dangayach, G.S. and Gupta, S.K., Grinding Technology- Applications, Challenges and Opportunities, *National Conference on Advances in Computer Integrated Manufacturing* at Jodhpur, February 16-17, 76-82, (2007).
8. Rajoria, R.P., Dangayach, G.S. and Gupta, S.K., Automatic Grinding Line Control System, All India Seminar on Automation and Advances in Manufacturing Strategies at Jaipur, 27-28, (January, 2007).
9. Rajoria, R.P., Dangayach, G.S. and Gupta, S.K., Productivity Improvement in Roller Manufacturing, 22nd National Convention of Production Engineers at Jabalpur, 12-13, (May, 2007).
10. Dangayach, G.S. and Vashistha, V., Designing of Manufacturing Cell using Simulated Annealing, National Conference on Advances in Computer Integrated Manufacturing, February 16-17, 99-105, (2007)
11. Mathur J., Energy Saving Through Integrated Approach for Building Design in Tropical Climatic Conditions, UK-India-Shrilanka Young Scientists networking Conference on Energy efficient and low carbon buildings, New Delhi, February 2008.
12. Mathur J., Agrawal N., Shah N., Swaroop R.; Assessment of offshore wind energy cluster for producing hydrogen as transportation fuel, Asia Conference of IAEE, Taipei, November 2007.
13. Mathur J., Modeling of rural energy sector for use of renewable energy systems in India, Presented at Solar 2007, Cleveland, USA, July 2007.
14. Dilip Sharma, S.L.Soni and Kamal K. Khatri "Engine component wear analysis of direct injection CI engine run on Neem–diesel blend" International Conference & XX

- National Conference on I.C. Engines and Combustion, (ICONICE- 2007) from 6-9 December 2007, Jawaharlal Nehru Technological University Kukatpally, Hyderabad, India. (Paper No. F062) (pp 317)
15. Chaudhary H., Saha S.K., 2007, "Minimization of Constraint Forces in Industrial Manipulators," Proc. Of the International Conference on Robotics and Automation (ICRA 2007), April 10-14, 2007, Roma (Italy), pp. 1954-4641.
 16. Despande SS, Agarwal G. (2007), "A glimpse of design variants of pneumatic artificial rubber muscle (PARM) and directive for future research," Int. Conf. on Recent trends in Mechanical Engineering, ICRME, Oct. 4-6 2007, Ujjain Eng. College, Ujjain.
 17. Despande SS, Agarwal G. (2007), "A Review of pneumatic artificial rubber muscle modeling and future research," Int. Conf. & Exhibition on Energy challenge in design and manufacturing technology-ECHDEM 2007, Sathyabama University, Chennai, pp. 349-353, Nov. 28-30, 2007.
 18. Despande SS, Agarwal G. (2007), "A Review of application of pneumatic artificial rubber muscles and prospective research," Int. Conf. on Recent development in Mechanical Engineering, SUS College of Eng. And Tech., Tangori Mohali, Jan. 23-25, 2008.
 19. Saraf R.R., Thipse S.S. and Saxena P. K., (2007), "Experimental performance analysis of LPG four wheeler engines "Energy 2007, International conference at Wessex institute of technology, UK, 20-22 June 2007
 20. Saraf R.R., Thipse S.S. and Saxena P. K., (2007), "State of the art in HCCI gasoline injected engines " International conference, Ujjain Engineering College, Ujjain, 4-6 October 2007.
 21. Saraf R.R., Thipse S.S. and Saxena P. K., (2008), "Diesel-CNG dual fuel technology- A Viable alternate energy source", International conference, RGTU, Bhopal, 18-20 March 2008.
 - 22.

List of Papers Presented At National Conferences

1. Bhardwaj A., Participative Ergonomics: 'A tool for greater comfort and Higher Productivity', All India Seminar on 'New Vistas in Manufacturing' Institution of Engineers Jaipur, Jan.5-6, 2008.
2. Bhardwaj, A., Gaur Sanjay, Bhargava Manish, Chandrawat Saurabh Singh, 'Leadership as a Quality Tool in Lean Manufacturing', All India Seminar on 'Automation in Manufacturing and Process Industries', Institution of Engineers Jaipur, August 18-19, 2007.
3. Bhardwaj, A., Bhargava Manish, Gaur Sanjay, Chandrawat Saurabh Singh, 'Lean Manufacturing and Six Sigma: Productive Quality Improvement Tools in Dynamic Market Scenario', All India Seminar on 'Automation in Manufacturing and Process Industries', Institution of Engineers Jaipur, August 18-19, 2007.
4. Khidia, M., Bhardwaj, A., 'Analysis of Occupational Hazards in Agriculture', National Seminar on 'Ergonomics and Safety Management in Agricultural Machinery and Equipments', XXI National Convention of Agriculture Engineers, Udaipur, January 18-20, 2008.
5. Khidia, M., Bhardwaj, A., 'Musculoskeletal Discomfort in Agricultural Works', National Seminar on 'Ergonomics and Safety Management in Agricultural

- Machinery and Equipments', XXI National Convention of Agriculture Engineers, Udaipur, January 18-20, 2008.
6. Khidia, M., Bhardwaj, A., 'Study of Productivity and Ergonomic Application of Bent Hand Tools', National Seminar on 'Ergonomics and Safety Management in Agricultural Machinery and Equipments', XXI National Convention of Agriculture Engineers, Udaipur, January 18-20, 2008.
 7. Khidia, M., Bhardwaj, A., 'An Ergonomic Approach for Improving the Workplace', National Seminar on 'Ergonomics and Safety Management in Agricultural Machinery and Equipments', XXI National Convention of Agriculture Engineers, Udaipur, January 18-20, 2008.
 8. Rajoria, R.P., Dangayach, G.S. and Gupta, S.K., Grinding Technology-Applications, Challenges and Opportunities, *National Conference on Advances in Computer Integrated Manufacturing* at Jodhpur, February 16-17, 76-82, (2007).
 9. Rajoria, R.P., Dangayach, G.S. and Gupta, S.K., Automatic Grinding Line Control System, *All India Seminar on Automation and Advances in Manufacturing Strategies* at Jaipur, 27-28, (January, 2007).
 10. Rajoria, R.P., Dangayach, G.S. and Gupta, S.K., Productivity Improvement in Roller Manufacturing, *22nd National Convention of Production Engineers* at Jabalpur, 12-13, (May, 2007).
 11. Dangayach, G.S. and Vashistha, V., Designing of Manufacturing Cell using Simulated Annealing, *National Conference on Advances in Computer Integrated Manufacturing*, February 16-17, 99-105, (2007)
 12. Mathur J.; Energy conservation opportunities and issues in Rajasthan; keynote address at conference on Energy Conservation Day at JVVNL, Jaipur, December 2007.
 13. Mathur J.; Energy Audit in Buildings: Approach and case studies; invited paper in Seminar on Advances in Building Management Systems, Ahmedabad, October 2007 (invited paper).
 14. Mathur J.; Extending use of wind energy systems for fuelling your vehicles; Seminar on Advances in wind and hydro energy; Jammu, September 2007.
 15. Mathur J., Implications of ECBC on HVAC industry, Invited speech at ISHRAE Seminar on Indian Energy Conservation Building Code, Chennai, June 2007.
 16. K.K. Khatri, D. Sharma, S.L. Soni and Satish Kumar, "Straight Vegetable oil (SVO) an Alternate Fuel for C.I. Engines" National Conference on Energy and Environment, 8-9 Feb. 2008, Swami Keshwanand Institute of Technology, Jagatpura, Jaipur (Rajasthan)
 17. Ugandhar Puli and A. K. Rajvanshi, "Subcooled flow boiling-An assessment of current understanding and directions for future research," National conference on Emerging Trends in Mechanical Engineering, held at Sardar Vallabhai National Institute of Technology, Surat, June 4-5, 2007.
 18. Ugandhar Puli and A. K. Rajvanshi, "An overview of CHF in subcooled flow boiling," National conference on the State of the Art Technologies in Mechanical Engineering (STEM-2007) held at Mechanical Engineering Department, College of Technology, G.B. Pant University of Agriculture and Technology, Pant Nagar, Oct. 29-31, 2007.

19. Saraf R.R., Thipse S.S. and Saxena P. K., (2007), “Experimental studies on modern gasoline PFI four wheeler engines”, National conference NIT, Surat, 4-5 June 2007.
20. Saraf R.R., Thipse S.S. and Saxena P. K., (2007), “Experimental investigation on modern LPG passenger car engines”, National conference Sriram College of Engineering, Gwalior, 28-29 April 2007.
21. Saraf R.R., Thipse S.S. and Saxena P. K., (2007), “Establishment of generic performance trend of gasoline MPFI passenger car engine”, National conference STEM, Pantnagar, 29-31 October 2007.

Books Published

1.	Energy Security, Climate Change & Sustainable Development	Jyotirmay Mathur, H.J. Wagner, N.K. Bansal	ISBN-81-81342-81-5
2.	Modelling Supply Chain Using Hybrid Meta Heuristics,	Banerjee, S., Dangayach, G.S., Mukherjee, S.K. and Mohanty, P.K.	Book Chapter for Springer Computational Intelligent Series, 2007.

DEPARTMENT OF STRUCTURAL ENGINEERING

Research Papers Published in International Journals:

1. Misra, A., Ramteke, R. and Bairwa, M.L., “Study on strength and sorptivity characteristics of fly ash concrete”, Journal of Engineering and Applied Sciences, Vol. 2, No. 5, October, 2007, pp 54-59.
2. Misra, A., Chaudhary, D., Jain, N., Kumar, M., Sharda, N., Dutt, D., “Effect of concentration of alkaline liquid and curing time on strength and water absorption of geopolymer concrete”, Journal of Engineering and Applied Sciences, Vol. 3, No. 1, February, 2008, pp 14-18.
3. Chaudhary, S., Pendharkar, U., and Nagpal, A. K. (2007). “An analytical-numerical procedure for cracking and time-dependent effects in continuous composite beams under service load.” *Steel and Composite Structures*, 7(3), 219-240.
4. Chaudhary, S., Pendharkar, U., and Nagpal, A. K. (2007). “Bending moment prediction for continuous composite beams by neural networks considering concrete cracking.” *Advances in Structural Engineering*, 10(4), 439-454.
5. Pendharkar, U., Chaudhary, S., and Nagpal, A. K. (2007). “Neural network for bending moment in continuous composite beams considering cracking and time effects in concrete.” *Engineering Structures*, 29(9), 2069-2079.
6. Chaudhary, S., Pendharkar, U., and Nagpal, A. K. (2007). “A hybrid procedure for cracking, creep, shrinkage and thermal gradient in continuous composite bridges.” *Latin American Journal of Solids and Structures*, 4(3), 203-227.
7. Chaudhary, S., Pendharkar, U., and Nagpal, A. K. (2007). “Service load behavior of continuous composite beams with precast decks considering creep, shrinkage and cracking.” *Asian Journal of Civil Engineering*, 8(4), 425-444.

Research Papers Published in National Journals:

1. Pendharkar, U., Chaudhary, S., and Nagpal, A. K. (2007). "Neural network model for short term inelastic moments at interior supports of continuous composite beams." *National Seminar on Soft Computing Methodology-07*, UEC Ujjain, India.
2. Naqvi, S. A. A., Bajpai, S., and Chaudhary, S. (2007). "Mortarless masonry system for accelerated construction." *Proc. Recent Trends in Geotechnical and Structural Engineering (RTGSE-2007)*, Jaipur, India, 33-39.

List of Papers Presented At National Conferences

1. Misra, A., Nagar, R. And Ramteke, R., "Effect of properties of cover zone concrete on durability", Proceedings of National Seminar on Recent Trends in Geotechnical and Structural Engineering (RTGSE-2007), held at MNIT Jaipur, December 22-23, 2007, pp 302-306.
2. Misra, A. and Gupta, R., "Self compacting concrete – A Review", Proceedings of National Seminar on Recent Trends in Geotechnical and Structural Engineering (RTGSE-2007), held at MNIT Jaipur, December 22-23, 2007, pp 322-330.
3. Misra, A., Kalla, P. and Sancheti, G., "Properties of Wollastonite added cement and concrete – An Engineering Evaluation", Proceedings of National Seminar on Recent Trends in Geotechnical and Structural Engineering (RTGSE-2007), held at MNIT Jaipur, December 22-23, 2007, pp 40-46.
4. Misra, A., Kalla, P. and Meena, G. S., "Effect of wollastonite on compressive and flexural behaviour of concrete", 68th Annual Session of Indian Roads Congress, held at Jaipur, November 16-19, 2007, pp 85-91.
5. Misra, A. and Gupta, R., "Near surface testing of concrete", Proceedings of the Seminar on Advances in Structural Engineering and Concrete Technology, organized by The Institution of Engineers (India) held at Jaipur, April 14-15, 2007, pp 12-28.
6. Mathur, C.B., Misra, A., Kalla, P. And Gahlot, V., "Effect of Wollastonite in concrete on setting time and compressive strength", Proceedings of the Seminar on Advances in Structural Engineering and Concrete Technology, organized by The Institution of Engineers (India) held at Jaipur, April 14-15, 2007, pp 49-55.
7. Misra, A., Choudhary, D., Jain, N., Kumar, M., Sharda, N. and Dutt, D., "Utilization of fly ash in the development of geopolymer concrete", Proceedings of the Seminar on Advances in Structural Engineering and Concrete Technology, organized by The Institution of Engineers (India) held at Jaipur, April 14-15, 2007, pp 75-88.
8. Misra, A., Ramteke, R. and Bairwa, M.L., "Durability of high volume fly ash concrete", Proceedings of the Seminar on Advances in Structural Engineering and Concrete Technology, organized by The Institution of Engineers (India) held at Jaipur, April 14-15, 2007, pp 89-103.
9. Agrawal V., Nagar R. & Chandwani V. "Neural Network Approach for Predicting Slab Deflection at Conceptual Design Stage" Proceedings of the Seminar on

- Advances in Structural Engineering and Concrete Technology, Organized by The Institution of Engineers (India) held at Jaipur, April 14-15, 2007, pp 12-28.
10. Agrawal V., Nagar R. & Chandwani V. "Prediction of Slab Deflections at Conceptual Stage of Design using Artificial Neural Network" Proceedings of the Structural Engineers World Congress 2007 (Third International congress), held at Bangalore (India), November 02-07, 2007, pp
 11. Agrawal V., Nagar R. & Chandwani V. "Application of Neural Networks in Predicting Slab Deflections at Conceptual Stage" Proceeding of National Seminar on Recent Trends in Geotechnical and Structural Engineering (RTGSE-2007) from Dec. 22-23, 2007 at MNIT, Jaipur.

DEPARTMENT OF CHEMISTRY

Dr. Mukesh Jain: Working as Assistant Editor in an internal journal "Heterocyclic Communications" Published by Freund Publishing House, England.

DEPARTMENT OF MATHEMATICS

Research Papers Published in International Journals:

1. K.C.Jain and Amit Srivastava "On Symmetric Information Divergence Measures of Csiszar's f- Divergence Class" Journal of Applied Mathematics, Statistics and Informatics (Slovak Republic) Vol. 3(1) ,pp 85-102, Oct – 2007
2. Rashmi Jain, "Convolution Integral Equations Involving the \bar{H} -function", TOJMS Vol 23(3), 2007.
3. Kantesh Gupta "A study of Modified H-transform and Fractional Integral Operator" Kyungpook Mathematical Journal, KOREA , Vol.47, No.4 , December 2007.

Research Papers Published in National Journals:

4. K.C.Jain and Amit Srivastava "On Symmetric Information Divergence Measures of Csiszar's f- Divergence Class" Far East Journal of Applied Mathematics, Vol 29(3) , pp 477-491, Sept.2007.
5. K.C.Jain and Amit Srivastava "On Some New Symmetric Information Divergence Measures of Csiszar's f- Divergence Class" J. Rajasthan Acad. Phy. Sci., Vol.6(4), pp 463-472.
6. Rashmi Jain and Ranjeeta Nahar, "On A Multidimensional Integral Involving the Product of Generalized Mellin Barnes Type Contour Integrals, $S_V^{U_1, \dots, U_k}$ and $R_n^{(\alpha, \beta)}$ ", J. Rajasthan Acad. Phy. Sci. Vol 7(1) (2008).
7. Rashmi Jain, Rashmi Garg and Ranjeeta Nahar, "A Study of New and Unified Fractional Integral Operators", Ganita Sandesh, 21(2) (2007)157-166.
8. Rashmi Jain and Ranjeeta Nahar, "A study of Unified Finite Integrals", J. Rajasthan Acad. Phy. Sci. Vol 6(3) (2007) 301-310.

9. K.C. Gupta, Rashmi Jain and Rajani Agrawal, "On Existence Conditions or a Generalized Mellin-Barnes Type Integral", Nat. Acad. Sci. Lett 30 (5&6) (2007)
10. K.C.Gupta, Kantesh Gupta and Vandana Agrawal "On Unified Integral Formulae involving Generalized H-functions, Multi and Single Variable General Polynomials" J. Rajasthan Acad. Phy. Sciences, Vol. 6, No. 4, December 2007
11. Kantesh Gupta, S.P. Goyal and Manita Bhagtani "Integral Mean Inequalities for Fractional Calculus Operators of Analytic Multivalent Function", Bull. Pure Appl. Math., Vol.1, No.2(2007), 214-226, October2007.
12. Kantesh Gupta and Vandana Agrawal "On Unified Eulerian Type Intgrals involving Single and Multivariable Mellin –Barnes Contour Integrals with general arguments", J. Rajasthan Acad. Phy. Sci., Vol.6(3) pp 311-324, September 2007.
13. Kantesh Gupta and Vandana Agrawal "A Study of an Integral Transform and Fractional Integral Operator involving Generalized Mellin-Barnes Type Contour Integral", Ultra Science, Vol.19(2), pp 419-426, May-August 2007.

List of Papers Presented At National Conferences

22. Jain, Rashmi " On Unified Integrals involving the product of H-function under more general conditions" I.M.S. , University of Pune, Dec.27-30, 2007 .
23. Gupta, Kantesh "A study of Modified H-transform and Fractional Integral Operator" Jai Narain Vyas University, Jodhpur, Oct. 25-27, 2007.

Books Published

S. No.	Title	Author	Publisher
1.	Random Variables & Stochastic Processes	K.C.Jain	C.B.C. Jaipur
2.	Engineering Mechanics	-do-	-do-
3.	Engineering Mathematics I 6 th revised edition	-do-	-do-
4.	Engineering Mathematics II 6 th revised edition	-do-	-do-
5.	Advanced Engineering Mathematics-4	KanteshGupta	Ashirwad publishers & Distributors
6.	Advanced Engineering Mathematics-3 (ECE, EE etc.)	-do-	-do-
7.	Advanced Engineering Mathematics-3 (Mech., Civil etc.)	-do-	-do-

DEPARTMENT OF PHYSICS

Research Papers Published in International Journals:

1. A. Dhawan , K. Sachdev , S Ry chowdhury, P.K. De and S.K. Sharma, "Potentiodynamic Polarization studies on amorphous $Zr_{46.75}Ti_{8.25}Cu_{7.5}Ni_{10}Be_{27.5}$, $Zr_{65}Cu_{17.5}Ni_{10}Al_{7.5}Zr_{67}Ni_{33}$ and $Ti_{60}Ni_{40}$ in aqueous HNO_3 solutions", J. Non-Crystalline Solids V. 353 (2007) p. 2619

List of Papers Presented At International Conferences

1. A. Dhawan, D.K. Sharma, S. Mathur, K. Sachdev and S.K. Sharma, "Electrochemical Behaviour of the Bulk Amorphous Alloy $Zr_{46.75}Ti_{8.25}Cu_{7.5}Ni_{10}Be_{27.5}$ formed at different cooling rates in aqueous 0.5 M H_2SO_4 ", International Conference on Condensed Matter Physics, Birla Auditorium, Jaipur, Nov. 25-28, 2007

List of Papers Presented At National Conferences

1. A. Marwal , K.R. Soni, A.Rathor and B.L. Ahuja, " Electronic structure of AgI using Compton Scattering" National Seminar on Radiation and Materials held at Punjabi University , Patiala, March 10-11 , 2008

DEPARTMENT OF MANAGEMENT STUDIES

List of Papers Presented At National Conferences

1. Bhardwaj A., Participative Ergonomics: 'A tool for greater comfort and Higher Productivity', All India Seminar on 'New Vistas in Manufacturing' Institution of Engineers Jaipur, Jan.5-6, 2008.
2. Bhardwaj, A., Gaur Sanjay, Bhargava Manish, Chandrawat Saurabh Singh, 'Leadership as a Quality Tool in Lean Manufacturing', All India Seminar on 'Automation in Manufacturing and Process Industries', Institution of Engineers Jaipur, August 18-19, 2007.
3. Bhardwaj, A., Bhargava Manish, Gaur Sanjay, Chandrawat Saurabh Singh, 'Lean Manufacturing and Six Sigma: Productive Quality Improvement Tools in Dynamic Market Scenario', All India Seminar on 'Automation in Manufacturing and Process Industries', Institution of Engineers Jaipur, August 18-19, 2007.
4. Khidia, M., Bhardwaj, A., 'Analysis of Occupational Hazards in Agriculture', National Seminar on 'Ergonomics and Safety Management in Agricultural Machinery and Equipments', XXI National Convention of Agriculture Engineers, Udaipur, January 18-20, 2008.
5. Khidia, M., Bhardwaj, A., 'Musculoskeletal Discomfort in Agricultural Works', National Seminar on 'Ergonomics and Safety Management in Agricultural Machinery and Equipments', XXI National Convention of Agriculture Engineers, Udaipur, January 18-20, 2008.
6. Khidia, M., Bhardwaj, A., 'Study of Productivity and Ergonomic Application of Bent Hand Tools', National Seminar on 'Ergonomics and Safety Management in Agricultural Machinery and Equipments', XXI National Convention of Agriculture Engineers, Udaipur, January 18-20, 2008.

7. Khidia, M., Bhardwaj, A., 'An Ergonomic Approach for Improving the Workplace', National Seminar on 'Ergonomics and Safety Management in Agricultural Machinery and Equipments', XXI National Convention of Agriculture Engineers, Udaipur, January 18-20, 2008.