

**List of publications in last five years**

**International Journals:**

**Department of Applied Physics**

1. Resonant second harmonic generation in a plasma filled parallel plane waveguide, J.Parashar, *Indian Journal of Pure & Applied Physics*, **47**, 103 (2009).
2. Effect of Self-focusing on Laser Third Harmonic Generation in a Clustered Gas, J.Parashar, *Physica Scripta* **79**, 015501 (2009).
3. Stimulated Raman scattering of laser from periodically spaced nanoparticles, J.Parashar, *Phys. Plasmas* **16**, 093106 (2009).
4. Harmonic emission due to nonlinear coupling of a Gaussian Laser and a Plasma Wave, Rajendra Pathak, R.K.Jain and J.Parashar, *Physica Scripta* **80**, 045505 (2010).
5. Laser excitation of surface plasma waves over a diffuse plasma boundary, E. Mishra, J.Parashar and N.K.Gaur, *Physica Scripta* **82**, 065505 (2010).
6. Response to “Comment on Stimulated Raman scattering of laser from periodically spaced nanoparticles”, J.Parashar, *Phys. Plasmas* **17**, 084704 (2009).
7. Intense Upconversion Luminescence of  $\text{Yb}^{3+}$ - $\text{Er}^{3+}$  in  $\text{Li}_2\text{O}$  Content Tungsten-tellurite Glasses G. F. Ansari, S.K. Mahajan and J. Parashar, *J Fluoresc.* DOI 10.1007/s10895-011-0864-9 Vol 21, 1337-1342 ( 2011)
8. Electrostatic and Electromagnetic Oscillations of Nanoparticles in the presence of Magnetic Field, Santosh Jain and J.Parashar, *J. Optics* **40**, 71 (2011).
9. Light and Surface Plasmon Induced Force on Nanoparticles and Nanotubes, Santosh Jain, J.Parashar and R.Kurchania, *J. Appl. Sci.* **12**, 191 (2012); DOI:10.3923/jas.2012 , ISSN 1812-5654 (2012).
10. Optical rectification in a carbon nanotube array and terahertz radiation generation, J.Parashar and H.Sharma, *Physica E* **44**, 2069–2071, (2012).

11. Estimation of tensile behaviour of Zirconium alloy pressure tubes using ring tensile test and finite element analysis, K.S. Balakrishnan, M.K. Samal, J. Parashar, G.P. Tiwari, and S. Anantharaman, *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science* **227**, 1177-1186 (2013), doi:10.1177/0954406212460474.
12. Effect of magnetic field on terahertz generation via laser interaction with a carbon nanotube array, S. Jain, J.Parashar and Rajnish Kurchania, *International Nano Letters (Springer Open)* **3**, 1 (2013) doi:10.1186/2228-5326-3-1.
13. Second harmonic generation from a metallic thin film by an obliquely incident laser, P.K.Purohit, V.K. Agrawal, H.Sharma and J.Parashar, *Physica Scripta* **87** 045403 (2013).
14. Magnetic field generation by surface plasma wave over a rippled metallic surface, J.Parashar, *Physics of Plasmas* **20**, 044503 (2013) doi: 10.1063/1.4802983.
15. Magnetic wiggler assisted third harmonic generation of a Gaussian laser pulse in plasma, Hirdesh Sharma, Harsha Jaloree and Jetendra Parashar, *Turkish J Physics* (2013) doi:10.3906/\_z-1212-12.
16. Excitation of Terahertz Radiations over a Bismuth thin film by an Electron Beam, J. Parashar, S. Chauhan, P.K. Purohit, V.K. Agrawal, *J. Physics and Chemistry of Solids* **74** 1751–1755 (2013).
17. Stimulated Raman scattering of laser in a plasma in the presence of a co-propagating electron beam, J.Parashar, *Phys. Plasmas* **20**, 122101 (2013); doi: 10.1063/1.4838135.
18. Terahertz radiation generation by nonlinear mixing of two laser beams in overdense plasma, J. Parashar, E. Mishra and S.K.Mahajan, *Ind. J. Physics* **87**, 699 - 703 (2013) (doi: 10.1007/s12648-013-0286-4).
19. Self generated magnetic field in laser interaction with atomic clusters, Hirdesh Sharma and J. Parashar, *Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci.* **83** 171-174 (2013) DOI 10.1007/s40010-012-0061-5
20. Suitability of Miniature Tensile Specimens for Estimating the Mechanical Property Data of Pressure Tubes: An Assessment, K. S. Balakrishnan, M. K. Samal , J. Parashar, G. P. Tiwari, S. Anantharaman, *Trans Indian Inst Met* (2014) 67(1):47–55, DOI 10.1007/s12666-013-0316-0

21. Investigation of Deformation Behavior of Ring-Tensile Specimens Machined from Pressure Tubes of Indian PHWR, M. K. Samal, K. S. Balakrishnan, J. Parashar, G. P. Tiwari, *Trans Indian Inst Met* (2014) DOI 10.1007/s12666-013-0314-2
22. Generation of terahertz radiation via nonlinear mixing of laser beams in an inhomogeneous plasma, S.Chauhan, J.Parashar, and R.Kurchania *OPTIK* (communicated) 2014.
23. Excitation of slow electromagnetic mode by an electron beam in a nanoparticle filled waveguide, S.Chauhan, J.Parashar and P.K.Purohit, *OPTIK* (2014 in press
24. Laser beat wave excitation of terahertz radiation in a plasma slab, Santosh Chauhan and J.Parashar, *Phys. Plasmas* (in press) 2014.
25. Surface plasma wave assisted second harmonic generation of laser over a metal film, S.Chauhan and J.Parashar, *Phys. Plasmas* (communicated) 2014.
26. Intense cooperative upconversion emission in Yb/Er: TeO<sub>2</sub>-Li<sub>2</sub>O-WO<sub>3</sub> oxyfluoride glass ceramics Ghizal F.Ansari , S.K.Mahajan ,*Journal of luminescence* Vol.156, 97-101 (2014)
27. Upconversion Fluorescence of ErF<sub>3</sub> doped Oxyfluoride tellurite glass ceramics Ghizal F.Ansari , S.K.Mahajan, J.Parashar , *Journal of non-crystalline Solids*(communicated 2014)

**Dr.R.C.Jain, Director**

1. R.C. Jain, P.R. Pal “Pruning Techniques in Class Association Rule Mining” in *International Journal of Computer Science and Knowledge Engineering*, Vol. 3 No. 1 March 2009.
2. R.C.Jain, Vineet Richhariya, R.K.Pandey, J.L.Rana, “ Design of Trust model for efficient Cyber Attack Detection on Fuzzified Large Data using Data mining Technique “ Published in *IJRCCT*, vol. 2 issue 1 Feb. 2013.
3. R.C.Jain, Vineet Richhariya, R.K.Pandey, J.L.Rana, “An Efficient Classification Mechanism using Machine Learning Technique for Attack Detection from Large dataset”

- International Journal of Innovative Research in Science , Engineering and Technology, vol. 2 issue 1 Dec. 2012.
4. R.C.Jain, Vineet Richhariya, R.K.Pandey, J.L.Rana “An Improved Technique based on Naïve Bayesian for Attack Detection” International journal of Emerging Technology and Advanced Engineering , vol. 2, issue 1 Jan. 2012.
  5. R.C.Jain, Vineet Richhariya, J.L.Rana “ Understanding Intrusion Detection System and Vulnerability Assesment for Cyber Threat Analysis: A Survey” SATI Journal of Science and Technology, vol.2, 2009.
  6. R.C. Jain, R.C. Thakur, K.R. Pardarsani “Partitioning and Counting inference (PCI) approach for mining frequent pattern from large database”, published in ISTE transactions of knowledge and data engineering (Mansucript No. TKDEST-0006-D106).
  7. R.C. Jain, S. Garg “Integration of R-tree and clustering technique for search efficient Indexing of high dimension data sets”, published in Journal of Computer Sc., vol 3, no.1, Jan 2007,pp34-38.
  8. R.C. Jain, S. Garg “Aheuristic based variation of k-mean clustering algorithm for dealing with outliers”, published in INFOCOMP journal of Comp. Sc. & Engineering Vol.4 ,June 2007, pp 56-60.
  9. R.C. Jain & Nisha Agarwal “Ramking the overall quality of Developed Software using Analytical Hierarchy Process” Journal Ultra Scientist of Physical Sciences, VOL 9(2) 2007, pp 327.
  10. R.C. Jain & Nisha Agarwal “Decision Making under certainty for sustainable Environment “Acta Ciancia India, Journal of Pargati Prakshan Meetut Vo. XXXIII No. 4 (2007), pp 1351-1358.
  11. R.C. Jain, Nisha Agarwal “Development of Cecision Support System for Ranking Alternatives using Fuzzy Composite Programming to vare Miher Journal of Computer & Information Science, Ujjain.
  12. R.C. Jain, A.K. Sachan & J.L. Rana “Adaptive Scalable, Real Time, Fault tolerenet Distributed Dyanmic Challen Allocation for Cellular Mobile Networks” Published in CSI Journal.
  13. R.C. Jain, Setu Chaturvedi, D.K. Swami “Web Pages categorization through Hybrid Summarization Techniques” S.A.T.I., Journal of Science & Tech. 2010.
  14. R.C. Jain, Shailendra Shrivastava “Review of the Reinforcement learning” Communicate of S.A.T.I. Journal of Science & Technology, 2010.
  15. R.C. Jain & Yati “An Associative Rule Mining Algorithm two minimum Support” International Journal of Computer & Mathematical Sciences, Bhopal Vol 1(2), March 2010, pp205-211
  16. R.C. Jain & Yati “On the use of Granular Computing on Data Mining” published in ADIT Journal & Engineering, Anand, vol 7(1), Aug. 2010, pp12-16.
  17. R.C. Jain & Yati “Integration of Data Mining and Operations Research” Ultra Scientist of Physical Sciences, vol 21 (1), 2009, pp 311-313.

18. R.C. Jain & Yati "Prototype and Modelling of Association Rules Algorithms based on Bitmap and Granular Computing" KARPAGAM Journal of Computer Sc. Vol. 5(3) March ,2011.
19. R.C. Jain & Yati "Mining Association Rule Algorithm using A Bitmap Technique" ADIT Journal of Engineering, Vol. 8(1), Aug. 2011.
20. R.C. Jain, Setu K. Chaturvedi, D.K. Swami "Ensemble Summarizer Based web page Classification Technique" ADIT Journal & Engg., Vol 5, No. 1, Dec. 2008.
21. R.C. Jain & D.P. Shrivastava "Designing Test Driven Development Architecture for unit testing of object oriented software" International Journal of Soft Computing & Intelligent System Vol. III, 2007.
22. R.C. Jain & D.P. Shrivastava "Optimal Refactoring of Test case at the design level" International Journal of Computer Science and Technology, Albuquerque, NM 87131-0001, USA.
23. R.C. Jain, Divakar Singh, Anju Singh, Varsha Namdeo "Result Analysis using Classification Techniques" International Journal ICFAC-2010.
24. R.C. Jain, Versa Sharma "Multi-hop Cellular Networks" Concepts Issues and Architecture, Accepted in International Journal of Computer Sc. Vol. 7, No. 3, May 2010.
25. R.C. Jain, Versa Sharma, A Implimentation of Frequent Pattern Mining Algorithm Using Dynamic Function " International Journal of Computer Applications(IJCA) (ISSN 075-8887), vol 9, no.9 Nov.2010,pp 37-41.
26. R.C. Jain, Versa Sharma, A Framework for Frequent Pattern Mining Using Dynamic Function" International Journal of Comp. Sc. Issue (IJCSI), vol.8 issue3 no.1 May,2010,pp 141-147.
27. R.C. Jain, Versa Sharma, Sequential Pattern Mining using Formal Language Tools", International Journal of Comp. Sc. Issue (IJCSI), Vol. 9 issue 5, no.2 sept. 2012, pp 316-325.
28. R.C. Jain and D.P. Shrivastav "Improve the Test case Design of Object Oriented |Software by Refactoring" International Journal of Computer |Science and Information Security (IJCSIT), USA, Vol. 8 No.8 pp 96-100, Nov. 2010.
29. R.C. Jain and D.P. Shrivastav "Matrics for Test Case Driven Development". International Journal of Computer Theory and Engineering (IJCTE), Singapore, Vol. 2, No. 8, pp 952-956, Dec. 2010.
30. R.C. Jain and D.P. Shrivastav "Innovative Engineering Technique of Object Oriented Software Development" International Journal of Engineering Science and Management Education India, Vol. 3, pp 41-46, Dec. 2010.
31. R.C.JAIN and Jitendra Agarwal "Analysis of Gene Array Data using Association Rule Mining" International journal of Computing Vol. 4(1) Jan. 2012 ISSN 2151-9617, pp 94-98.
32. R.C.Jain and Anju Singh "KPSO: An Efficient Algorithm for Mining Frequent Patterns by K-Priori model with set operation in large Databases" Accepted in IEEE International

- Conference on Computational Intelligence and Communication Network(CICN-2012) to be held on 03-05 Nov. 2012.
33. R.C.Jain,Vivek Sharma and D.K.Swami “Restoration of Video Sequence by Motion Restoring” National conference on Emerging Technological Trends NCETT-2010, pp 147-152, 19-20 March, 2010.
  34. R.C.Jain and Anju Singh “Modelling and Subtraction of Scenes Exhibiting Constant Dynamic Conduct in video Sequences” International Journal of Information and Knowledge Management, July-Dec. 2009 , Vol.2(2) pp 231-236.
  35. R.C.Jain and Anju Singh “Temporal Consistency in Video Frames by Segmentation Method” International Journal of Intelligent Information Processing Vol 3(2) ,Jul-Dec 2009, pp 541-549.
  36. R.C.Jain and Anju Singh “Comparative Study of Horizontal & Vertical Mining” Journal of Engineering Science and Management Education, NITTTR, Bhopal, Vol.5, March 2012.
  37. R.C.Jain and Anju Singh “Pattern Mining & Rules Generation in Multidimensional Aircraft Accidental Dataset” International Journal of Electronics Communication and Computer Engg. , Vol.3 (2), ISSN 2249-071 X, March 2012.
  38. R.C.Jain and Anju Singh “Computational Model for Mining Frequent Sets in Large Databases” International Journal of Electronics Communication and Computer Engg. Vol.3(2), March,2012.
  39. R.C. Jain, Deepti Jain, Bhupendra Verma “Clustering Techniques : A Survey SATI Journal of Science & Technology (ISSN 0973-4007), Nov. 2012, pp-11-18.
  40. R.C. Jain, Deepti Jain, Bhupendra Verma “Mining Frequent Pattern closing New Approach” SATI Journal of Science & Technology (ISSN 0973-4007), Nov. 2012, pp-23-26.
  41. R.C. Jain, Deepti Jain, Bhupendra Verma “Analysis Efficient Frame work for text classification” SATI Journal of Science & Technology (ISSN 0973-4007), Nov. 2012, pp-32-34.
  42. R.C. Jain, Deepti Jain, Bhupendra Verma “Automatic Document Classification (ADC) through Efficient unsupervised Learning Methods” International Journal of Science & Advanced Technology (IJSAT) (ISSN 225-8386) Vol 3, Nov., Feb.2013,pp-24-29.
  43. R.C. Jain, Deepti Jain, Bhupendra Verma “Clustering Based Outlier detection method for document classification” ,International Journal of Computer Science and Information Security (IJCSIS) (ISSN 1947-5500), vol. 11, no. 9, 2013, pp 91-96
  44. R.C. Jain, Shailendra Shrivatava, J.L. Rana “ Survey & Clustering Algorite Based on Affinity Propagation “SATI Journal of Science & Technology (ISSN 0973-4007), Nov. 2012, pp-38-47.
  45. R.C. Jain, Shailendra Shrivatava, J.L. Rana “Fast Affinity Propagation clustery based on Machine Learning” ITCSI International Journal of Computer Sc. Issues (ISSN 1694-0784) (1694-0814), issue 1, Jan 2013, pp. 302-309.

46. R.C. Jain, Shailendra Shrivatava, J.L. Rana “Text Document Clustering based on Phrase Similarity using affinity propagation” International Journal of Computer Application (ISSN-0975)-8887) Volume on 18, 2013, pp-38-44.
47. R.C. Jain, Shailendra Shrivatava, J.L. Rana “IC means clustering and affinity clustering on metro games Transfer learning” Journal of Computing (ISSN 2151-9617) Vol 5, 2013, pp 31-37.
48. R.C.JAIN, Arpana Shrivastava “Development of New Algorithm for Finding 2<sup>nd</sup> level Association Rules using Fast Apriori Implementation”, International Journal of Computer Applications and Information Technology vol. 2 issue iii, Apr-May, 2013, pp 17-20.
49. R.C.JAIN, Arpana Shrivastava “Performance Analysis of modified Algorithm for finding Multilevel Association Rules” International Journal of Computer Sc. And Engineering ,Vol.3, no.4 Aug 2013.
50. R.C. Jain and Sunita R. Kapoor “ A Privacy Preserving Repository for Data Implementation Across Data Sharing Services” International Journal of Engineering Research Technology (ISSN: 2278-0181) Vol 2, Issue 7, July 2013.
51. R.C. Jain and Sunita R. Kapoor “Privacy of Integrated Data using efficiency of Engineering Research & Applications (ISSN 2289622) Vol 3, issue 5, Sept-Oct. 2013, pp 1414-1422.
52. R.C. Jain and Devendra Singh Rathore and Babita Ujjaniya “A Review on ontology Based Test Mining Methods for research Project Selection” International Journal of Engineering Research and Technology (IJERT) ISSN: 2278-0181 (ISO 3297:2007) Vol 2, Issue 11, Nov. 2013.
53. R.C. Jain, Nitesh Rajput, Versha Sharma “ Performance Enhancement of DSR Routing Protocol using mobile Agents” International Journal of Emerging and Innovative Technology, Vol 2, Issue 7, Jan 2013, pp 370-374.
54. R.C.Jain, Gitika S. Pandey “ Soft Computing paradigm for ProteinFolding problem “ IJRIM, vol 1, issue 4 ISSN 2231-4334,2011.
55. R.C.Jain, Gitika S. Pandey “An unsupervised approach for augmentation of protein Structure” International Journal of Advanced Computer Research, vol 3 No. 1 issue 8, 2013.
56. R.C.Jain, Gitika S. Pandey “Computational impact of hydrophobicity in protein stability” International Journal of Computer Science and Information Security, vol.11, No. 10 pp 111-116, 2013.
57. R.C.Jain, Gitika S. Pandey “Stable protein fold prognostication using unsupervised Learning “ Accepted in International Journal on Recent Trends in Engg. &Technology, an ACEEE Journal , vol. 11, issue 2 2014.
58. Jain R.C. et al “A Combined Approach for Intrusion Detection System Based on the Data Mining Techniques “ International Journal of Computational Engineering Research (IJCER) IISSN 2250-3005, Vol.4(6) June 2014.

## Department of Bio Medical Engineering

- [1] A. Datar, A. Jain and P.C. Sharma, "Design and Performance Evaluation of Optimized Cosine Modulated Filterbank for ECG Signal Compression," *CiiT International Journal of Digital Signal Processing*, vol. 2, no. 7, pp. 101 – 107, July 2010.
- [2] A. Datar, A. Jain and P.C. Sharma, "Design of Kaiser window based optimized prototype filter for cosine modulated filter banks," *Signal Processing*, vol. 90, no. 5, pp. 1742 – 1749, May 2010. 2013. (ISSN: 0165-1684).
- [3] A. Datar, A. Jain and P.C. Sharma, "Design and Performance Analysis of Adjustable Window Functions Based Cosine Modulated Filter Banks," *Digital Signal Processing, Elsevier*. vol. 23, no. 1, pp. 412 – 417, January 2013. (ISSN: 1051-2004).
- [4] D. K. Shakya, Rajiv Saxena and S. N. Sharma, "Identification of Eukaryotic Genes with Improved Noise Suppression," *International Journal of Signal Processing, Image Processing and Pattern Recognition*, vol. 4, no. 2, pp. 1-6, June, 2011.
- [5] D. K. Shakya, Rajiv Saxena and S. N. Sharma, "A DSP-Based Approach for Gene Prediction in Eukaryotic Genes," *International Journal on Electrical Engineering and Informatics*, vol.3, no. 4, pp. 480-487, December, 2011.
- [6] D. K. Shakya, Rajiv Saxena and S. N. Sharma, "Improved Exon Prediction with Transforms by De-Noiseing Period-3 Measure," *Digital Signal Processing*, vol.23, no.2, pp. 499–505, 2013.
- [7] D. K. Shakya, Rajiv Saxena and S. N. Sharma, "An Adaptive Window Length Strategy for Eukaryotic CDS Prediction," *IEEE Transactions on Computational Biology and Bioinformatics*, doi:10.1109/TCBB.2013.76.
- [8] D. K. Shakya, Rajiv Saxena and S. N. Sharma, "Identification of Hot Spots in Proteins Using Modified Gabor Wavelet Transform," *Pertanika Journal of Science and Technology*, vol.22, no. 2, 2014 (as per tentative publishing schedule).
- [9] Vidhi Rawat , Alok Jain,Vibhakar Shrimali," Analysis and Assessment of Ultrasound Images for G.sac Using Gradient vector flow", *International Journal of Inderscience* ,Vol. 7,pp. 14-18,Dec,2013.



- [10] Vidhi Rawat , Alok Jain, Vibhakar Shrimali,” Analysis and Assessment of Ultrasound Images for Fetal Biometry Using Morphological Operators”, International Conference on artificial intelligence,IICAI-11,14-16,Dec,2011.
- [11] Vidhi Rawat, Alok Jain,Vibhakar Shrimali ,”Investigation and Analysis of 2-D ultrasound Images” , International Journal of computer science and information security, Feb., pp. 8-10, 2010.
- [12] Dinkar Rao Dongre,Vidhi Rawat,Abhishek Rawat,”DWT based image fusion for concealed weapon detection”, International Journal of Electrical , Electronics and Computer Detection, pp. 128-134,June 2013.
- [13] Dinkar Rao Dongre,Vidhi Rawat, Abhishek Rawat, “Study and review of concealed weapon detection using digital image processing”, International Journal Advancement and Research, pp. 84-92, June 2013.
- [14] Vinita Chaturvedi ,International Rapid Journal Bioscience Biotechnology Research Communication “Evaluation of Ethanolic bark Extract of *A. Indica* as Spermicidal Agent in Rats”, (2010), Vol.(3) No.(1) PP (71-73).
- [15] Vinita Chaturvedi, International Rapid Journal Bioscience Biotechnology Research Communication “Estrogenic Activity of the Bark Extract of *A. Indica A. Jusst* in Rats” (2010), Vol. (3) No.(1) PP (33-37)
- [16] Narendra Mahawar, Ashutosh Datar, Hemant Dangi “The use of FIR filter for filtering of ECG signal comparisons of some parameters”, International journal of electronics, communication and soft computing science and engg.,ISSN:2277-9477,volume2, Issue 7 Sep.-13.
- [17] N.Mahawar, A.Datar, A.Potnis “Performance analysis of adjustable window based FIR filter for noisy ECG signal filtering”, International journal of advanced computer research paper present, ISSN(print) 2249-7277,ISSN(online) :2277-7970,volume 3,No.3,Issue-12sep.2013.

- [18] Narendra Mahawar, Ashutosh Datar, Hemant Dangi “The use of FIR filter for filtering of ECG signal comparison of some parameters”, International journal of electronics, communication and soft computing science and engg.,ISSN:2277-9477,volume2, Issue 7 Sep.-13.
- [19] Shankuntla Chouhan, International journal of scientific research,”Channel estimation using LS and MMSE estimators”,ISSN 2277-8179, vol.3,Issue 8 ,Aug.2014.
- [20] Vaibhav Jain, Bhupendra Sharma, “Diagnostic Analysis of Image Segmentation on Liver Tumor Images Using Edge Detection Techniques”, International Journal of Electrical, Electronics and Computing Technology, ISSN-2229-3027, Vol.No.10, Page No.63-66 ,2013.
- [21] Harshna Shrivastava, “The Biotechnological State-of-the-art for Cellulases: A Review Pharm Biotech & Microbio”, International Inventi Rapid, ISSN 2278-4098, volume 2013, Issue 2.
- [22] Harshna Shrivastava, “An Improved Association Rule-mining Using Genetic Algorithm based Horizontal Partition Decision Tree Technique Algorithm”, International Inventi Rapid, ISSN 2278-4098,volume 2013, Issue 2.

### Department of Electronics & Instrumentation Engineering

1. Provenience of Hybrid Transform for Image Compression using Extended Huffman Compression, Int. Journal of Computer Applications, vol. 97, no. 18, pp. 2126, July 2014. Anu Jain and Alok Jain.
2. Image Denoising by Supervised Adaptive Fusion of Decomposed Images Restored using Wave Atom, Curvelet and Wavelet Transform, *Signal Image and Video Processing*, Springer, Vol.8, no.3, pp. 443-459, 2014. (DOI: 10.1007/s11760-012-0343-z). Preety D. Swami, Alok Jain.
3. An optimized design of nonuniform filter bank using variable-combinational window function, available online for publication in Int. Journal of Electronics and Communications, Elsevier, 2013. (DOI:10.1016/j.aeue.2013.01.003) . Ramkumar Soni, Alok Jain, Rajiv Saxena.

4. A design of IFIR prototype filter for Cosine Modulated Filterbank and Transmultiplexer, *Int. Journal of Electronics and Communications, Elsevier*, vol. 67, issue 2, pp. 130-135, Feb. 2013. (DOI: 10.1016/j.aeue.2012.07.005). Ramkumar Soni, Alok Jain, Rajiv Saxena.
5. Design and Performance Analysis of Adjustable Window Functions based Cosine Modulated Filter Banks”, *Digital Signal Processing, Elsevier*, vol.23, pp. 412-417, Jan. 2013. (DOI:10.1016/j.dsp.2012.07.007) Ashutosh Datar, Alok Jain, P.C. Sharma.
6. Segmentation based Combined Wavelet-Curvelet Approach for Image Denoising”, *Int. Journal of Information Engineering, World Academic*, vol.2, no.1, pp. 32-37, 2012. Preety D. Swami, Alok Jain.
7. Cosine Modulated Non-Uniform Filter bank with Improved Computational Efficiency, *Int. Journal of Image, Graphics and Signal Processing*, vol. 4, no.2, pp. 1-8, 2012. Jyotsna Ogale, Alok Jain
8. An Optimized Transmultiplexer using Combinational Window Functions”, *Signal, Image and Video Processing, Springer*, vol. 5, no. 3, pp. 389-397, Sept. 2011. Ram Kumar Soni, Alok Jain and Rajiv Saxena
9. Design of M-Band NPR Cosine-Modulated Filterbank Using IFIR Technique, *Journal of Signal and Information Processing, Scientific Research*, vol.1, pp. 35-43, 2010. Ram Kumar Soni, Alok Jain and Rajiv Saxena.
10. Design of Kaiser Window Based Optimized Prototype Filter for Cosine Modulated Filter Banks”, *Signal Processing, Elsevier*, vol. 90, no. 5, pp. 1742-1749, May 2010. Ashutosh Datar, Alok Jain, P.C. Sharma.
11. Design of NPR-Type Cosine Modulated Filterbank Using Combinational Window Functions”, *Int. Journal of Communication, Network and System Sciences, Scientific Research*, vol.3, pp. 934-942, 2010. Ram Kumar Soni, Alok Jain and Rajiv Saxena

12. An Improved and Simplified Design of Pseudo-Transmultiplexer using Blackman Window Family, *Digital Signal Processing, Elsevier*, vol. 20, pp. 743-749, May 2010. Ram Kumar Soni, Alok Jain, Rajiv Saxena
13. Investigation and Assessment of Disorder of Ultrasound B-mode Images, *Int. Journal of Computer Science and Information Security*, vol. 7, no. 2, pp. 289-293, Feb. 2010. Vidhi Rawat, Alok Jain, Vibhakar Shrimali.
14. An Optimized Design of Non-uniform Filterbank using Blackman Window Family, *Int. Journal of Signal and Image Processing*, vol.1, Iss.1, pp. 18-23, Jan. 2010. Ram Kumar Soni, Alok Jain and Rajiv Saxena.
15. Ali, Preety D. Swami and J. Singhai, "Modified Curvelet Thresholding Algorithm for Image Denoising," *Journal of Computer Science*, vol.6, no.1, pp. 18-23, 2010.
16. Brajesh Kumar Sahu and Preety D Swami , "Image Denoising using Principal Component Analysis in Wavelet Domain and Total Variation Regularization in Spatial Domain," *International Journal of Computer Applications*, vol. 71, no. 12, pp. 40-46, May 2013. doi: 10.5120/12414-9183.
17. Arti Sharma, Preety D Swami, "Redundant Wavelet Transform Based Image Super Resolution," *International Journal of Engineering Research and Applications (IJERA)*, ISSN: 2248-9622, vol. 3, Issue 4, pp. 2055-2062, Jul-Aug 2013.
18. Seema Mishra, Preety D. Swami, "Spatio-Temporal Video Denoising By Block-Based Motion detection", *International Journal of Engineering Trends and Technology (IJETT)*, vol. 4, issue 8. ISSN: 2231-5381, pp. 3370-3382, Aug 2013.
19. Shweta Garde and Preety D Swami, "Noise Reduction of Vibration Signals in Rotary Machines using Neighbourhood Correlation of Wavelet Transform Coefficients," *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 3, Special Issue 3, pp. 62-69, April 2014. ISSN (Print) : 2320 – 3765, ISSN (Online): 2278 – 8875.
20. Rupali Sharma and Preety D Swami, "Enhancement of Speech Signal by Adaptation of Scales and Thresholds of Bionic Wavelet Transform Coefficients," *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 3, Special Issue 3, pp. 70-76, April 2014. ISSN (Print) : 2320 – 3765, ISSN (Online): 2278 – 8875.
21. Implementation of Iterative Weiner Filter in Restoration of Color Images, *International Journal of Engineering Sciences*, vol.1, no.1, 2010, pp: 73-81. Shilpa Datar, Yogendra K. Jain.
22. Quantized coefficient F.I.R filter for the design of Filter Bank, *International Journal of Engineering Trends and Technology (IJETT)*, Vol. 4, no: 8, August 2013, pp. 3271-3277. Rajeev Singh Dohare, Shilpa Datar.

23. Detection of Tumor in Mammograms Using Canny Edge Detection Technique, *International Journal of Engineering Trends and Technology* Vol. 14 No. 5 Aug 2014. Pratishta Shrivastava and K.G.Kirar
24. Image Resolution Enhancement By Wavelet Transform Based Interpolation And Image Fusion, *International Journal Of Advance Research In Computer Science And Software Engineering*, Vol. 8 Issue 8 Aug. 2014. Pratishta Shrivastava and K.G.Kirar.
25. Manish Yadav and Sulochana Wadhvani, “Automatic Fault Classification of Rolling Element Bearing using Wavelet Packet Decomposition and Artificial Neural Network”. *International Journal of Engineering and Technology* Volume-3, Issue-4, August - September 2011.
26. Manish Yadav and Sulochana Wadhvani, “Vibration Analysis of Bearing for Fault Detection using Time Domain Features and Neural Network”, *International Journal of Applied Research in Mechanical Engineering* Volume –I, Issue-I, June 2011.
27. N.Malviya, De -Noising ECG Signals Using Adaptive Filtering Algorithms, “*International Journal for Technological Research in Engineering* Vol. 1, Issue. 1, Sep -2013” ISSN(Online): 2347-4718

## **Books**

1. Power Electronics: Devices, Circuits and MATLAB Simulations Penram International Publishing (India) Ltd. Mumbai, India, 2010 (ISBN 8187972386; 8187972394) Alok Jain.
2. Power Electronics and Its Applications, 2<sup>nd</sup> edition, Penram International Publishing (India) Ltd., Mumbai, India, 2004 (ISBN 8187972130; 818797222-X). Alok Jain.

## **Monographs**

1. Design of Transmultiplexer and Filterbank: NPR Type Design Approach, *LAP Lambert Academic Publishing, AG & Co., Germany*, 2012 (ISBN 97838448417223). Ramkumar Soni, Alok Jain, Rajiv Saxena
2. Multirate Systems and Filterbanks: Window Based Approach, *LAP Lambert Academic Publishing, AG & Co., Germany*, August 2011 (ISBN 9783844386240). Alok Jain, Rajiv Saxena, S.C. Saxena

3. Image Denoising: Methods Based on Multiresolution Transforms and their Fusion Lambert Academic Publishing, AG & Co., Germany, 2014 (ISBN 9783659575891) Preety D. Swami, Alok Jain

### Department of Applied Chemistry

1. Estimation of pulp lignin content in the high yield pulping of Prosopis, Upendra Bahuguna & R.N. Shukla, Asian Journal of Chemistry International Journal 2010, Vol. 22, No. 10 (2010), 7467-7472.
2. A study on investigation of the chemical constituents & milled wood lignin analysis of Iantana camara & Prosopis Chinnsis, Upendra Bahuguna & R.N. Shukla, International Journal of Applied Biology and Pharmaceutical Technology, 2010 ISSN NO 0976 4550, Volume: I: Issue-3: Nov-Dec -2010.
3. Effect of Temperature on Amlodipine Besylate, Pankaj Sharma & R.N. Shukla, International Journal of Chemical Sciences IJCS, 2011, ISSN NO 0972-768X Volume:9(3) Page: 1007-1013.
4. Chemical Composition of Anticancerous Component Acemannan And Emodin) from Aloe Veraand Dehydration Effect of AloeatDifferent Temperature, Priyanka Jain & Priyanka Chouhan, R. N. Shukla & Alfa Universal, An International Journal of Chemistry, 2011 Vol 2 (3), Page 147-157.
5. Isolation & Characterization of Curcumin from alcoholic extract of Curcuma longa, Pradeep Sharma, Sagar Sharma, Sonal Agrawal, Sarita Dangi, Smariti Aliya IJPRD, 2011; Vol 3(7): October – 2011, (80-83).
6. Isolation & Characterization of waxy & non waxy starch on the disintegration tablets, Pradeep K.Sharma, Ankit Malviya, Rupesh Mahawar, Sagar Sharma. I.J.A.L.S., Vol 7(1) 35-40, ISSN: 0973-838X Dec. 2011.
7. Extraction & Identification of Diterpenoid Lactone From Andrographis Paniculata, Kavita Kira Deepak Kaurav, Jyoti Chourasiya R.N Shukla International journal of pharmaceutical Research & Development (IJPRD 2012 ISSN NO 0974-9446, VOI 4 (10) December 2012 (085-092).
8. Specific And Stability Indicating Assay Method Of Cadesartan Cilexetil In Presence Of Process And Degradation Impurities, Katiyar Manoj Kumar & R.N. Shukla, International

journal of pharmaceutical innovations (IJPI) 2012 ISSN NO 2249 –1031 September-October 2012 issue.

9. Determination of assay of candesartan cilexetil using a validated stability indicatinh HPLC method Katiyar Manoj K. , Kushwah Dharmendra Shukla R.N., Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2011 ISSN NO 0975-8585 Index Copernicus Value: 4.62.
10. Comparative physico-chemical study of some different brands of drugs containing metformin hydrochloride, Gaurav Agrawal, PraveenDangi, R.N. Shukla. International journal of pharmaceutical Research & Development (IJPRD) 2012, ISSN N00974-9446, VOI 4 (10), December 2012 ( 085-092)
11. Isolation of quercetin- from the leaves of *Azadirachta indica* and anti diabetic study of crude extracts, ArtiChourasia Anil Upadhaya R.N. Shukla Journal of pharmaceutical and Biomedical Sciences JPBMS 2012 ISSN NO 2230-7885 25 (25)179-181 December 2012
12. Impact of Cooking Conditions on Pulp Viscosity ,kappa number of *Leucaena leucocephala wood* for Kraft Pulping Mekhala Sharma R.N. Shukla International journal of engineering Research & Technology 2013 ISSN NO 2278 –0181 Vol 2 issue 1 Page January 2013.
13. Study Of Chemical Composition Of Garlic Oil And Comparative Analysis Of CO-RIMOXAZOLE In Response To In Vitro Antibacterial Activity Gupta Rainy Sharma Amita Maina Preeti Shukla R. N. International Research Journal Of Pharmacy 2014 ISSN NO 2230 –8407 Vol 5 issue 2 Page 97-101 Feb 2014
14. Compative Study Of Ocimum Sanctum Oil And Anti Malarial Tablets Containing Chloroquine Phosphate Kulshreshtra Priyanka Kulshreshtra Sugandha Rathor Neha Shukla R.N. International Research Journal Of Pharmacy 2014 ISSN NO 2230 – 8407 Vol 5 issue 3 Page no. 195-197 Mar 2014
15. Study of physico- chemical and percentage purity of commonly used food grude dyes Pradeep Sharma, Astha Saxena, Monika Arya, Sagar Sharma IJPRD, 2011: Vol 3(10) Dec. 2011 (30-36)
16. Physico-Chemical Characterization & Identification of Alkaloids From Piper Nigrum ( Piperaceae) Pradeep Sharma, Hemant Pandey, Pragati dubey, Monika Jain, Dharmendra Bhargava. IJPERD, 2012; Vol 4(08): Oct. 2012 (005-010) ISSN 0974-9446
17. Study of coated uncoated tablets and its disintegration characteristicvs Pradeep Sharma, Shiv narayan sahu, devendra raghuwanshi, savita tiwari, anjana pando , sagar Sharma IJPRD, 2013; Vol 4(11): January – 2013 (152-154) Number 0974-9446

18. Evaluation of Zingiber officinale and curcuma longa rhizome as crude drug from their ethanolic extract. Sharma Pradeep Kumar, Mansoori Sabiha, Rathor Nisha, Kulshrestha Ankita, dhakad Anil IRJP, Int. Res. J.Pharm, 2013,4 (12) ISSN 2230-8407
19. Phytochemical Analysis of Seeds of Certain Medicinal Plants, Dubey Swati, Sharma Pradeep Kumar, Rajput Jyoti, Tomar Renu, Bhagel Arti IRJP, Int, Res. J. Pharma 2014 (2) ISSN 2230-8407

### Mechanical Engineering Department

- 1) Jitendra Verma, Pankaj Agarwal, Lokesh Bajpai, TURNING PARAMETER OPTIMIZATION FOR SURFACE ROUGHNESS OF ASTM A242 TYPE -1 ALLOYS STEEL BY TAGUCHI METHOD, *Published by* International Journal of Advances of Engineering & Technology (IJAET), MARCH 2012, ISSN: 2231-1963, Vol. 3.
- 2) Amit Parya, Jitendra Verma, P.L.Verma, Pankaj Agarwal, L.Bajpai, EVALUTION FOR THE EFFECTS OF SILICA ON MECHANICAL PROPERTIES OF TERNE, *Published by* International Journal Of Advances In Engineering & Technology (IJAET), MAY 2012, ISSN 2231-1963, Vol. 3.
- 3) R. Khatri , Pankaj Agarwal, TWO-DIMENTIONAL FINITE ELEMENT ANALYSIS OF FORCED CONVECTION FLOW AND HEAT TRANSFER IN A LAMINAR CHANNEL FLOW, *Published by* International Journal Of Engineering Science and Technology (IJEST), MARCH 2012, ISSN: 0975-5462, Vol. 4
- 4) R. Khatri , Pankaj Agarwal LAMINAR FLOW ANALYSIS OVER A FLAT PLATE BY COMPUTATIONAL FLUID DYNAMICS, *Published by* International Journal Of Advances In Engineering & Technology (IJAET) , MAY 2012, ISSN : 2231-1963, Vol. 3,(no. 2), pp. 756-764.
- 5) R. Khatri , Pankaj Agarwal, COMPARATIVE VIBRATION ANALYSIS OF CANTILEVER BEAMS USING FINITE ELEMENT ANALYSIS, *Published by* International Journal Of Manufacturing Science And Engineering (IJMSE), JANUARY-JUNE 2012, Vol. 3, no. 1 pp. 5-10.
- 6) Hitesh Kumar, Dr. Prashant Baredar, Dr. Pankaj Agarwal, Dr. S. C. Soni, A study of effect of wind energy on environment, BLB-International Journal of science & Technology, vol.2, No. 2, (2011) 223-232, (ISSN 0976-3074) .
- 7) Hitesh Kumar, Dr. Prashant Baredar, Dr. Pankaj Agarwal, Dr. S. C. Soni Utilization of Biomass for Producing Liquid Fuel: Recent status and Innovations, , BLB-International Journal of science & Technology, vol.2, No. 3, (2011) 313-322, (ISSN 0976-3074) .
- 8) Pawan K. Upadhyay , Pankaj Agarwal , A.R. Ansari, “Discussions and analysis of ball Rolling (Ballizing) process with elastic and plastic Deformation between Ball and Material”, Journal of Material Science and Research India, vol.9(1) 2012 pp. 147-153.



- 9) *Pawan K. Upadhyay , Pankaj Agarwal , A.R. Ansari*, “Discussion of contact between indenting Ball and Plane surface Burnishing Force contact Pressure and Properties of slip lines (stress analysis)”, *Journal of ULTRA ENGINEER*, vol.1(1) 2011, 95-101.
- 10) *Pawan K. Upadhyay , Pankaj Agarwal , A.R. Ansari*, “Study and Analysis of Geometric Effect of Ball Burnishing Process of Different Materials and Evaluation of Forces and strain for Ballizing Process”, *CURRENT WORLD ENVIRONMENT* , vol.7(1),2012, pp. 101-108.
- 11) *Pawan K. Upadhyay , Pankaj Agarwal , A.R. Ansari*, “Mechanism of Ball Burnishing Process for radius of curvature for Elastic and Plastic deformation between Ball and Hole”, *Journal of Material Science and Research India*, vol.9(1) 2012 pp. 133-138.
- 12) *Pankaj Agarwal, Ashish Manoria, Richa Thakur and Hemant Jain*, *ADVANCEMENT IN MICRO-MANUFACTURING USING MEDM AND ITS APPLICATIONS* , , Published by International Journal Of Mechanical Engineering and Robotics Research (IJMERR), JULY 2012, Vol. 1, No. 2,ISSN 2278-0149.
- 13) *S. K. Dhakad,S.C. Soni, Pankaj Agarwal, Prashant Baredar*, *MATHEMATICAL MODELING AND PERFORMANCE SIMULATION AND OPTIMIZATION OF MOLTEN CARBONATE FUEL CELL (MCFC)*, , *Published by International Journal Of Engineering Research & Indu. Appls. (IJERIA)*, AUGUST 2012, ISSN : 0974-1518, Vol. 5, pp. 299-311. Impact factor (2011) 0.526.
- 14) *S. K. Dhakad,S.C. Soni, Pankaj Agarwal, Prashant Baredar*, *THE FUTURE ASPECTS OF POWER GENERATION THROUGH HIGH TEMPRETURE FUEL CELLS (MCFCs) VERSES OTHER FUEL CELLS* , *Published by International Journal Of Scientific Engineering and Technology (IJSET)* , vol.1, no. 3, pp. 102-105 , JULY 2012 , ISSN : 2277-1581.
- 15) *S. K. Dhakad,S.C. Soni, Pankaj Agarwal, Prashant Baredar, Sanjay Katare*, *REVIEW OF WORK DONE IN FIELD OF COMMERCIAL APPLICATION OF HIGH TEMPERATURE FUEL CELLS (MCFCs) IN STATIONARY POWER GENERATION*, *Published by International Journal Of Industrial Engineering and Technology (IJIET)*, ISSN 0974-3146, Vol. 4, Number 1 (2012), pp. 61-68.
- 16) *Prasansa Saxena,Pankaj Agarwal*, *Optimization of Hot Spot area in typical “L” casting Junction using Response Surface Methodology*, *International Journal of Engineering Research & Technology (IJERT)* vol. 2 , issue 1, January 2013, pp.1-6, ISSN: 2278-0181.
- 17) *S. K. Dhakad,S.C. Soni, Pankaj Agarwal, Prashant Baredar*, *The Neural Network analysis for the single cell of Molten Carbonate Fuel cell (MCFC)*, *International Journal of Engineering Research* , vol.1,no. 1, pp.9-11, Nov. 2012, ISSN: 2319-6890.

- 18) Pankaj Agarwal, Hemant Jain, Richa Thakur, Value Engineering of Micro- Manufacturing using ECM and its application, International Journal of Mechanical Engineering and Robotics Research, vol.1, no.2, July 2012, pp.111-120., ISSN : 2278-0149.
- 19) S.K. Dhakad, Dr.S.C. Soni, Dr.Pankaj Agarwal “Cross validation of optimize results using Genetic and Particle Swarm Optimization (PSO) algorithms, for the single cell model of Molten Carbonate Fuel Cell (MCFC)” published in the International Journal of Scientific Research (IJSR) (Internationally Indexed Journal with ISSN No.2277 – 8179) is a double-reviewed monthly print-in published journal, Vol.2 issue 4 in the April - 2013, p.p.122-123.
- 20) S.K. Dhakad, Dr.S.C. Soni, Dr.Pankaj Agarwal, “Molten Carbonate Fuel Cells (MCFCs) alternative sources of energy generation in the future” published in the Vol.2, issue 4, p.p. in April- 2013 of PARIPEX – Indian Journal of Research (PIJR) is a double-reviewed monthly print-in published journal (ISSN No.2250 – 1991).
- 21) P. K. Upadhyay, H. Joshi, Pankaj Agarwal, Evaluation of Different forces for Super Finishing the Internal Surface of Ballizing Process” Journal of Material Science Research India, Vol. 9(2), 2012, pp. 197-205.
- 22) S.K.Dhakad, S.C.Soni, Pankaj Agarwal, The Improved energetic yield of high temperature fuel cell (MCFC) using advance techniques in modeling and optimization analysis, International Journal of Advanced Computer Research (ISSN (print) : 2249-7277, ISSN (online) : 2277-7970), Vol. 3 No. 3 , September 2013, 277-280.
- 23) Ashish Manoria, Dr. Lokesh Bajpai, Sachin Maheshwar “Expert system for Assembly Line Balancing for Multi Product” 2011.CIIT International Journal of Artificial Intelligent System and machine Learning volume 3, No 7, July 2011 ISSN 0974 – 9667 PP 465 – 470.
- 24) Ashish Manoria, Sandip kumar Mishra, Sachin Maheshwar” Expert System based on RPW Technique to Evaluating Multi Product Assembly Line Balancing Solution “2012 International Journal of Computer Applications (0975 – 8887) Volume 40– No.4, February 2012 Volume 40– No.4, February 2012 ISSN 0975 – 8887 PP 27-32
- 25) Ashish Manoria, Piyush Nema Dr. Lokesh Bajpai Heuristic Approaches to Solve the Assembly Line Balancing Problem Augmented by Expert System International Journal of Industrial Engineering and Technology. pp. 107-118
- 26) Vipul Upadhyay, Ashish Manoria, Dr. Lokesh Bajpai Electrical And Software Based Design Of Automated Guided Vehicle Using Sensor INTERNATIONAL JOURNAL OF

- 27) Ashish Manoria, J Gajbhiye, Dr. P L Verma, Dr. Lokesh Bajpai “Optimizing Rapid Prototyping Technology – Replacing Roller Distribution System by Pneumatic
- 28) Ravindra Mohan Saxena et al “An explanatory study of lean practices in job shop production / special job production discrete production batch shop production industries” Journal of engineering research and applications pp 94-101 Vol 4, ISS 5 2248 - 9622, 2014.
- 29) Ravindra Mohan Saxena et al “Analyzing the benefits of lean techniques : a manufacturing process industry case study” International journal of mechanical engineering and information technology pp 205 – 212 Vol 2, ISS 5 348-1968, 2014.
- 30) Ravindra Mohan Saxena et al “An explanatory study of quality management” IJAEA pp 42-47, Vol 7 ,ISS 3 2014.
- 31) Ravindra Mohan Saxena et al “Reduction of welding defects using six sigma techniques” IJMERR pp 404- 412 Vol2, ISS 3 2278-0149, 2013.
- 32) Ravindra Mohan Saxena et al “optimization of submerged arc welding process using six sigma tools” IJMERR pp 1690-1696 - VOL3 2249 6645, 2013.
- 33) Ravindra Mohan Saxena et al “quality management and lean manufacturing integrated system IJMSAE pp 271-279 VOL 2 2012.
- 34) Ravindra Mohan Saxena et al “value chain analysis in industry development interventions” IJMRAE pp 13-24 VOL 4 2012.
- 35) Ravindra Mohan Saxena et al “analytical hierarical process methodology for the best selection among various choices in marketing and operations” IJERIA pp 33-44 vol 4 2011.
- 36) Chandra pal singh, Geeta Agnihotri “Analysis of Facility Planning and Design in Manufacturing Unit” IJIPET pp 63-72 Vol 1 issue 2 , 2011.
- 37) Chandra pal singh, Geeta Agnihotri “Analysis of Facility Planning and Design in Manufacturing Unit” IJIPET pp 63-72 Vol 1 issue 2 , 2011.
- 38) Jagdish Prasad Shakya, Sachin Sen “Alternate process planning and scheduling of FMS system” IJRAET pp 19- 24 Vol 1 2013.

- 39) Jagdish Prasad Shakya, Sachin Sen “Alternate process planning and scheduling of FMS system” IJRAET pp 19- 24 Vol 1 2013.
- 40) Sachin et al “ Integration of process planning and scheduling comparison of model approach” IJSR pp 215-219 Vol 1 2012.

### Department of Management Studies

1. Agrawal.A, Jain. D, “*Business Ethics in today’s Competitive Environment*”, Shakti International Journal of Management Research & Development, Vol. 1 Issue 2, 50-53, ISSN: 2319-5444.
2. Prashant Tiwari, Micro-insurance in India, Shakti international Journal of Mgt. Research & Dev. , vol-1/no-1/march-2013/pg no-55, ISSN-2319-5444.
3. Sachin Jain “Balance of trade in india”, (Vol. 1, issue 1, Mar. 2013) Pp- 64-74. Shakti International Journal of Management Research & Development. ISSN: 2319-5444.
4. G. Chetty, V.K. Jain & A Thakur “*Can India Create Fiscal Space?*” (Vol.4 No.2 2011), Pages: 431-443. International Journal of Business Policy and Economics. ISSN: 0973-5801.
5. Thakur A, G. Chetty “*Consumer Behaviour in India- A Study*”,(Vol.2 , April, 2012), page: 251, Journal of Business Analysis. Issn:22311165.
6. G.Chetty, Dr. V.K. Jain, & A. Thakur “*Impact of Internal debt of Madhya Pradesh on its SGDP*”, (Vol. 1, issue 1, Mar. 2013) Pp- 64-74. Shakti International Journal of Management Research & Development. ISSN: 2319-5444.
7. A.G.Chandrawanshi “Review of Outward Foreign Direct Investment from India” , Journal- Journal of Global Business Issues, ISSN no. - 1931-311x.
8. A.G.Chandrawanshi “Review of Outward Foreign Direct Investment from India Post Liberalization” Journal- American Journal of Business Research, ISSN no. - 1934-6484.
9. Soniya Rajput “Digital Advertising over Traditional Advertising “ Published in the International Journal of Computational Intelligence and Information security ISSN: 1837-7823 Vol.2 NO.7, 21-29, July 2011.
10. Soniya Rajput “Financial Aid ,Incentives and Policy Support for SSI” Published in the International Journal of Marketing, Financial Services &Management ISSN 2277-6788,Volume:1, No.2, 99-103, 2012.

11. Soniya Rajput “ Performance Appraisal is the Key to High Performance” Published in Research on Humanities and Social Sciences (www.iiste.org) ISSN 2222-1719 (Paper) ISSN 2222-2863 (Online)Vol.3, No.8, 23-26, 2013 - Selected from International Conference on Recent Trends in Applied Sciences with Engineering Applications.

### Department of Electronics & Communication Engineering

- [1] Identification of Microsatellites in DNA Using Adaptive S-Transform – Accepted for publication in IEEE Journal of Biomedical and Health Informatics (June 2014), S.D.Sharma, R.Saxena, and S.N.Sharma. ( DOI 10.1109/JBHI.2014.2330901)
- [2] Jyotsna v. Ogale, Sandhya Shakya " Design and Analysis of Optimized Octave-Band Filter Bank with Low Complexity", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 7, July 2014.
- [3] Fixed Window in Fractional Fourier Domain –Published in International Journal of Image, Graphics and Signal Processing, vol.6, no.2, pp.1-13, Jan.2014.DOI:10.5815/ijigsp.2014.02.01. Rahul Pachouri, Rajiv Saxena, and S. N. Sharma.
- [4] An Adaptive Window Length Strategy for Eukaryotic CDS Prediction –IEEE/ACM Transactions on Computational Biology and Bioinformatics, vol.10, no.5, pp. 1241-1252, September/October2013. D. K. Shakya, Rajiv Saxena, and S. N. Sharma.
- [5] Studies on Z-Window Based FIR Filters- ISRN Signal Processing, Hindawi , vol.2013, Article ID 148686, July 2013.DOI:10.1155/2013/148646. Rahul Pachouri, Rajiv Saxena, and S. N. Sharma.
- [6] Improved Exon Prediction with Transforms by De-Noiseing Period-3 Measure, Digital Signal Processing (Elsevier), vol. 23, no.2, pp. 499-505, March 2013, D. K. Shakya, Rajiv Saxena, and S. N. Sharma.
- [7] Jyotsna v. Ogale, Alok Jain "Comparative Analysis of Two-Channel QMF Bank Designed by new Class of Adjustable Window Functions", International Journal of Scientific & Engineering Research, Volume 4, Issue 12, December-2013
- [8] Jyotsna v. Ogale, Alok Jain " Design of Transmultiplexer via Spline Function and New Cosh Window",International Journal of Scientific and Research Publications, Volume 3, Issue 6, June 2013
- [9] N. Mehra & M. Shandilya, “Imprecise Reversible Visible Watermarking”, CSI Transaction on ICT, Springer,vol1(4),Dec. 2013 ,pp355-365. doi: 10.1007/s40012-013-0031-3

- [10] N. Mehra & M. Shandilya, "Imprecise Reversible Dual Watermarking Scheme", Journal of Advances in Information Technology, Academy Press, North America, Vol. 4(4), nov. 2013, pp 166-171. doi:10.4304/jait.4.4.166-171
- [11] Abhishek Rawat, R.N. Yadav, S.C.Shrivastava "Neural Modeling of Antenna Array Using Radial Basis Neural Network for Directivity prediction" International Journal of Modeling and Optimization, Vol. 3, No. 1, February 2013(DOI: 10.7763/IJMO.2013.V3.243).
- [12] Vidhi Rawat, Alok Jain, V. Shrimali, Abhishek Rawat, "Automatic Assessment of Fetal Biometric Parameter using GVF Snakes", International Journal of Biomedical Engineering and Technology, accepted for publication, 2013.
- [13] Abhishek Jain & Dr. Ashutosh Datar, "Spatial Video Compression using EZW, 3D-SPIHT, WDR & ASWDR Techniques" International Journal of Advanced Research in Computer Science and Software Engg. 3 (7), July 2013, Vol. 3, Issue 7, pp. 1-9.
- [14] Rahul Shrivastava, Abhishek Rawat, Yogendra Kumar Jain "A Comparative Study of RBF and MLP Neural Model for Seven Element Dynamic Phased Array Smart Antenna" Special Issue of Journal of Advances in Information Technology (JAIT, ISSN :1798-2340) accepted for publication.
- [15] Jyotsna v. Ogale, Alok Jain "Design of Cosine Modulated Filter Bank using Computationally Efficient Multiplier-less FIR Filters", International Journal of Engineering and Innovative Technology (IJEIT) Volume 2, Issue 10, April 2013
- [16] Identification of Hot Spots in Proteins Using Modified Gabor Wavelet Transform – Accepted for publication in Pertanika Journal of Science and Technology (May 2013). D. K. Shakya, Rajiv Saxena, and S. N. Sharma.
- [17] Jyotsna v. Ogale, Alok Jain "Cosine Modulated Non-Uniform Filter Bank with Improved Computational Efficiency", I.J. Image, Graphics and Signal Processing, 2012, 2, 1-8
- [18] "Optimal Channel Allocation with Hot-spot Technique in Wireless Network" IICA online journal, January, 2013, Smriti Dubey , .
- [19] Abhishek Rawat, R.N. Yadav, S.C.Shrivastava "Application of Neural Network in Dynamically Phased Arrays Smart Antennas: A Review" International journal of Electronics and Communication Engineering (AEÜ Elsevier ) Volume 66, pp.903-912, Nov 2012 (DOI : 10.1016/j.aeue.2012.03.012).
- [20] Jyotsna Ogale, "Cosine Modulated Non-Uniform Filter Bank", Journal of Signal and Information Processing, 2011, 2, 178-183.

- [21] A DSP-Based Approach for Gene Predication in Eukaryotic Genes, International Journal of Electrical Engineering and Informatics, vol.3, no.4, pp.480-487, Dec.2011, D.K.Shakya, Rajiv Saxena, S.N.Sharma
- [22] Abhishek Jain & Dr. Anjali Potnis, "Wavelet based Video Compression using STW, 3D-SPIHT & ASWDR Techniques" International Journal of Advances in Engineering & Technology, Vol. 3, Issue 2, May 2012, pp. 224-234.
- [23] N. Mehra & M. Shandilya, "Pseudonymous Privacy Preserving Buyer-Seller Watermarking Protocol," International Journal of Computer Science Issues, Vol. 8, Issue 6, No 3, November 2011(Elsevier Indexed Journal ISSN : 1694-0814)
- [24] Identification of Eukaryotic Genes with Improved Noise Suppression, International Journal of Signal Processing, Image Processing and Pattern Recognition, vol. 4, no. 2, pp.1-6, June-2011, D.K.Shakya, Rajiv Saxena, S.N.Sharma
- [25] Abhishek Rawat, R.N. Yadav, S.C.Shrivastava "Design of Dynamic Phased Array Smart Antenna Using Fourier Series Method " International journal on Communications Antenna and Propagation (IRECAP), Volume 1, pp 13-16, Feb 2011.
- [26] Abhishek Rawat, R.N. Yadav, S.C.Shrivastava "Beam width prediction of dynamically phased array smart antenna using radial basis neural network" International Journal of Electronics and Communication Engineering, Volume 3, no.1, pp. 149-15, Oct. 2010.
- [27] Abhishek Rawat, R.N. Yadav, S.C.Shrivastava " Comparative analysis of smart antenna array basis of Beamforming schemes and algorithms: A Review" International Journal of Computer Science and Information Securities, Volume 8, pp 123-128, No. 2, May 2010.
- [28] Jyotsna v. Ogale, Alok Jain "Design of an M-Channel Cosine Modulated Filter Bank by New Cosh Window Based FIR Filters", World Academy of Science, Engineering and Technology Vol:4 2010-12-28

### Department of Applied Mechanics and Structural Engineering

1. ANN prediction for shear strength parameters of soils. CiiT International Journal of Artificial Intelligent System and Machine Learning Vol.2- No.7-pp 113-120-2010. 0947-9667
2. Computational Approach to predict soil shear strength. International Journal of Engineering science and Technology Vol. 2 (8), pp- 3847-3855, 2010 0975-5462.
3. Prediction model for Soil Strength Parameters. International Journal of Engineering Research and Technology Vol. 3 (1), pp- 179-197, 2010 0974-3154.

4. ANN prediction Model for soil cohesion and angle of internal friction. Journal of Search and Research Vol. 2, No. 1, pp 4-11, 2010 0975-5713.
5. Predictive Model for OMC and MDD of Clays. SATI Journal of Science and Technology, Vol. 2, No. 1, pp 36-44, 2010 0973-4007.
6. Unconsolidated Undrained shear strength of remoulded clays by ANNs technique, International journal of engineering research and technology, vol. 2- issue 6, June 2013. 2778-0181

### Department of Electrical Engineering

1. Fang Yao, R.C. Bansal, Z.Y. Dong, R.K. Sake & Jitendra J.S.Shakya, “ wind energy resources, theory, design & applications” book title: Handbook of renewable energy technology section-1, World scientific Publishing Singapore 10.2010.
2. Lokesh Varshney, J.S.Shakya & Dr. R.K. Saket “Performance & reliability evaluation of induction machine an overview” International Journal of research and review in applied sciences Vol. 8, No. 1, 07.2011
3. J.S.Shakya, Dr. R.K. Saket & Prof. (col.) Gurmit Singh. “ Power Quality & Reliability Issue of Induction Generator for Wind Power Plants”. International Journal of research and review in applied sciences Vol. 11, No. 3, 06.2012.
4. Shruti Kharait, S.Phulambrikar, Implementation of PLC Based Star/ Delta starter for Starting and Direction Control of Three Phase induction Motor, IJERT Vol. 2 11.2012.
5. Gyanendra Verma, C.S.Sharma, S.P.Phulambrikar, Speed control of an induction motor by using indirect vector control through PI controller. Published in, International Journal of Engineering trends in science & technology. Vol.1, issue 07.9.2014
6. Rishab Soni, S.S.Thakur, S.Phulambrikar Simulation study & comparison of simplified multi level inverter & CCHB inverter for distributed energy resources. Vol.2, issue 06.2014
7. Arpit Panchratna & S.P.Phulambrikar, Modeling & simulation of zero voltage switching power factor correction for three phase three level boost rectifier. In IJERT, Vol.3, issue 08.8.2014
8. Ashok K.Patel, S.S.Thakur, S.Phulambrikar, Cascaded H-bridge five level inverter on hybrid PWM technique with voltage boosting ability. In IJERT, Vol.3, issue 07.7.2014
9. Manish Agarwal, Sanjeev Gupta , S.Phulambrikar, Closed loop DC-DC boost converter with inverter for small scale generation plant. Internation Journal of Engineering trends & technology. Vol.15 number 5.9.2014.
10. Praveen Pateriya, S.S.Thakur, S.Phulambrikar, Power quality enhancement of modified multilevel inverter with minimum number of switches. In IJERT, Vol. 3, issue 07.7.2014
11. Pankhudi Jain, Sanjeev Gupta , S.Phulambrikar, Simulation of AC to DC series resonant converter using control of supply Power factor by PID operation. In IJERT, Vol. 3, issue 09.09.2014



12. Parag Purohit, S.S.Thakur, S.Phulambrikar, A D-STATCOM control scheme for mitigation of voltage sag and improvement in reduction of harmonic distortion in Electrical distribution system.In IJERT, Vol. 3, issue 08.08.2014
13. Ankur Chourasiya, S.S.Thakur, S.Phulambrikar, Harmonic reduction in new PWM switching scheme of hybrid multilevel inverter. In IJERT, Vol.3, issue 08.8.2014
14. Poonam Chouksey, Sanjeev Gupta , S.Phulambrikar, Design of efficient novel Multilevel inverter by reducing harmonic with reduce number of batteries & switches. In IJERT, Vol.3, issue 08.8.2014
15. Shobhit Jain, S.P.Phulambrikar, Modeling & simulation of three phase single switch active power factor correction based quadratic buck converter. In IJERT, Vol.3, issue 08.8.2014
16. Vijaya Raju Vasipalli, S.Phulambrikar, Designing the efficient system with matrix converter by replace back to back converter in DFIG system with ISVM. Published in Vol.3, issue 09.9.2014 in International Journal of Science & Research (IJSR)
17. Power quality improvement by designing the LCL filter for the matrix converter in a DFIG system In IJERT, Vol.3, issue 05.5.2014
18. Analysis and simulation of single phase & phase & three phase seven level inverter. Published in IJSRD, Vol.2, issue 07.9.2014.
19. Shruti Kharait, S.Phulambrikar, Implementation of PLC Based Star/ Delta starter for Starting and Direction Control of Three Phase induction Motor, IJERT Vol. 2 11.2012.

### Department of Computer Science and Engineering

1. Design of Hybrid Network Anomalies Detection System (H-NADS) Using IP Gray Space Analysis, In Proceeding of Informatica Economica Journal as Invited paper from Romania, vol13, no. 2, pp. 110-119, June 2009.
2. Performance Analysis and Comparison of Image Compression Using DCT and Wavelets, CiiT International Journal of Digital Image Processing, Vol. 1, No. 4, pp. 32-41, May 2010.
3. AODV-TP and Wormhole Attack Detection in MANET, CiiT International Journal of Networking and Communication Engineering, Vol. 2, No. 8, pp. 248-255, August 2010.
4. Implementation of iterative Wiener filter in restoration of color images, International Journal of Engineering Sciences (IJES), Volume 1, No. 1, pp. 73-81, Oct. 2010.
5. "A Secure Network Detection System Against Noisy Unlabeled Data", International Journal of Computer Application, vol. 9, no. 9, pp. 7-11, Nov. 2010.
6. Secure Wireless Network System against Malicious Rogue Threats, Journal of Computing, Volume 2, Issue 12, pp. 77-83, Dec 2010.
7. An Efficient Key Management Scheme for Wireless network, International Journal of Scientific & Engineering Research (IJSER), Volume 2, Issue 2, pp. 1-7, February-2011.
8. A New Protocol for Advanced Encryption/ Decryption Using ECC PHAL, International Journal of Computer Science & Emerging Technologies (IJCSET), Vol. 2, Issue 1, pp. 186-195, Feb. 2011.

9. HoneyPot based Secure Network System, International Journal on Computer Science and Engineering (IJCSSE), Vol. 3 No. 2, pp. 612-620, Feb 2011.
10. Search Engine Technique Using New Ranking Algorithm for Web Mining, International Journal of Advanced Research in Computer Science IJARCS, Vol. 2, no. 1, pp. 7-12, Jan-Feb 2011.
11. Classification - based Retrieval Methods to Enhance Information Discovery on the Web, International Journal of Managing Information Technology (IJMIT) Vol. 3, No. 1, pp. 33-44, February 2011.
12. Query based Personalization in Semantic Web Mining, International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 2, No. 2, pp. 117-123, Feb. 2011.
13. The Classification of Cancer Gene using Hybrid Method of Machine Learning, International Journal of Advanced Research in Computer Science IJARCS, Vol. 2, no. 2, 149-153, March-April 2011.
14. Efficient Retrieval of Text for Biomedical Domain using Data Mining Algorithm, International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 2, No. 4, pp. 77-81, 2011.
15. Hybrid Routing with Dynamic Security Considerations, International Journal of Research and Reviews in Computer Science (IJRRCS), Vol. 2, No. 3, pp. 878-884, June 2011.
16. An Efficient Association Rule Hiding Algorithm for Privacy Preserving Data Mining, International Journal on Computer Science and Engineering (IJCSSE), Vol. 3, No. 7, pp. 2792-2798, July 2011.
17. An Efficient Hybrid Channel Allocation Algorithm based on Hot-Spot & Cold-Spot: One Step Ahead from Channel Allocation Algorithms, International Journal of Electronics and Communication Engineering, Vol. 4, No. 3, pp. 365-376, 2011.
18. Securing Data Using JPEG Image Over Mobile Phone, Global Journal of Computer Science and Technology (GJCST) Volume 11, Issue 13 Version 1.0, pp. 4-9, June/July 2011.
19. An Improvement of AODV protocol Based on Threaded Routing in Mobile Ad Hoc Networks, International Journal of computer Science & Communication, Vol. 2, No. 2, pp. 423-426, July-December 2011.
20. Grayhole Attack and Prevention in Mobile Adhoc Network, International Journal of Computer Applications, Volume 27, No. 10, pp. 21-26, August 2011.
21. An Enhanced Digital Watermarking for Color Image using Support Vector Machine, International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 2, Issue 5, pp. 2233-2236, 2011
22. Protection based routing mechanism for Ad-hoc network, International Journal of Advanced Research in Computer Science IJARCS, Vol. 2, no. 5, Sep-Oct. pp. 309-315, 2011.
23. Min Max Normalization Based Data Perturbation Method for Privacy Protection, International Journal of Computer & communication Technology (IJCCT) Volume-2 Issue-VIII, pp 45-50, 2011.
24. A New Approach for Handling Null Values in Web Log Using KNN and Tabu Search KNN, International Journal of Data Mining & Knowledge Management Process (IJDKP) Vol.1, No.5, pp. 9-19, September 2011.
25. Intrusion detection using supervised learning with feature set reduction, International Journal of Computer Applications (IJCA), Volume 33, No. 6, pp. 22-31, November 2011.

26. Efficient Retrieval of Text for Biomedical Domain using Expectation Maximization Algorithm, International Journal of Computer Science Issues (IJCSI), Vol. 8, Issue 6, No 1, pp. 366-370, November 2011.
27. Character Localization From Natural Images Using Nearest Neighbours Approach, International Journal of Scientific and Engineering Research (IJSER), Vol. 2, Issue 12, pp. 1-6, December 2011.
28. Quality of service oriented reservation based routing mechanism for wireless Adhoc Network, Journal of Global Research in Computer Science (JGRCS), Volume 2, No. 12, pp. 22-28, December 2011.
29. A Novel Java Based Computation and Comparison Method (JBCCM) for Differentiating Object Oriented Paradigm Using Coupling Measures", International Journal of Advanced Computer Research (IJACR) Vol. 1, No. 2, pp. 59-63, Dec. 2011.
30. Efficient intrusion detection based on decision tree classifier using feature reduction, International Journal of Scientific and Research Publications (IJSRP), Vol. 2, Issue 1, pp. 1-6, Jan 2012.
31. Comparison of Phase Only Correlation and Neural Network for Iris Recognition, International Journal of Computer Science Issues (IJCSI), Vol. 9, Issue 1, No 1, pp. 165-171, January 2012.
32. An Empirical Comparison and Feature Reduction Performance Analysis of Intrusion Detection, Published by Academy & Industry Research Collaboration Center (AIRCC) in International Journal of Control Theory and Computer Modelling (IJCTCM) Vol.2, No.1, pp. 1-14, January 2012.
33. An Improved Routing Mechanism for Secure Ad-hoc Network, International Journal of Engineering and Advanced Technology (IJEAT), Vol. 1, Issue 4, pp. 37-44, April 2012.
34. An Efficient Secure ID-Based For Securing Multiple Patients Using ECIES Privacy In Wireless Body Sensor Network, International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Vol. 1, Issue 3, pp. 41-46, May 2012.
35. TCP Congestion Control through Bandwidth Estimation Mechanism in MANET, International Journal of Applied Information Systems (IJ AIS), Volume 2, No.4, pp. 41-48, May 2012.
36. Trust based Secure AODV in MANET, Journal of Global Research in Computer Science (JGRCS), Volume 3, issue 6, pp. 107-114, June 2012.
37. A comparative analysis of reduction algorithms in Picasso tool for cost based query optimizers of Relational Databases, Springer Lecture Notes of The Institute For Computer Sciences, Social Informatics And Telecommunications Engineering, (LNICST) Series, Vol. 85, Part 1, pp. 176-185, 2012.
38. Secure Mobile Agent Based IDS for MANET, International Journal of Computer Science and Information Technologies (IJSIT), Vol. 3, No. 4, pp. 4798-4805, 2012.
39. Energy Level Accuracy and Life Time Increased in Mobile Ad-Hoc Networks Using OLSR, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 2, Issue 7, pp. 97-103, July 2012.
40. Secure Trust Based Dynamic Source Routing In MANETs, International Journal of Scientific & Engineering Research (IJSER), Volume 3, Issue 8, pp. 1-7, August 2012.
41. Improved Data mining approach to find Frequent Itemset Using Support count table, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 1, Issue 2, pp. 195-201, July-August 2012

42. Comparison between Different Classification Methods with Application to Skin Cancer, International Journal of Computer Applications (IJCA) ISSN: 0975 - 8887, Volume 53, No. 11, pp. 18-24, September 2012.
43. Offline Signature Verification using FMCN with GA based Optimization of Features, International Journal of Computer Applications (IJCA), Volume 53, No. 2, pp. 33-39, September 2012.
44. Efficient Frequent Item set Mining Mechanism Using Support Count, International Journal of Application or Innovation in Engineering & Management (IJAIEM), Volume 1, Issue 1, pp. 65-71, September 2012.
45. Adaptive approach for Image Fusion using Curvelet Transform and Genetic Algorithm, CIIT International Journal of Journal of digital image processing, Vol. 4, No. 15, pp. 850-857, Sep. 2012.
46. Timer-Based Location Management to Improve Hit Ratio in Cellular Network Using Cache Memory, International Journal of Information and Education Technology, Vol. 2, No. 5, pp. 494-497, October 2012.
47. Image Sharpness and Contrast Enhancement with Noise Reduction using Logarithmic Image Processing Model with Modified Decision based Unsymmetric Trimmed Median Filter, CiIT International Journal of Digital Image Processing, Vol. 4, No. 16, pp. 902-909, November 2012.
48. Performance Evaluation of Brightness Bi-Histogram Equalization Technique Using Gaussian Filter For Contrast Stretching And Brightness Preservation of Satellite Images, International Journal of Emerging Technology and Advanced Engineering (IJETA) Volume 3, Issue 2, pp. 321-327, February 2013.
49. A Comparative Study of RBF and MLP Neural Model for Seven Element Dynamic Phased Array Smart Antenna, Journal of Advances In Information Technology (JAIT), Vol. 4, No. 2, pp 69-55, May 2013.
50. Performance Evaluation and Analysis Of Image Restoration Technique Using Discrete Wavelet Transform, International Journal of Computer Applications (IJCA), Volume 72, No.18, pp. 11-20, June 2013.
51. Efficient View Based 3-D Object Retrieval using Hidden Markov Model, Springer Journal of 3-D Research, Volume 4, Issue 4, pp. 1-7, December 2013.
52. Improved Stochastic Random Walker Segmentation based on Gaussian Filtering, International Journal of Computer Applications, Volume 81, No 2, pp. 32-36, November 2013.
53. Detecting and Tracking of Moving Objects from Video, International Journal of Computer Applications, Volume 81, No 18, pp. 23-28, November 2013.
54. Removal of Salt and Pepper Noise from Satellite Images, International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 11, pp. 2051-2058, November 2013.
55. Improved Image Segmentation using Dirichlet Process Multiple-View Learning with K-Means Clustering, International Journal For Research In Applied Science and Engineering Technology (IJRASET), Vol. 2 Issue 1, pp. 10-20, January 2014.
56. Scene Oriented Classification of Blurry and Noisy Images Using SVM with Fuzzy C Mean Clustering, International Journal Of Computers & Technology, (IJCT), Vol 12, No.4, pp. 3393-3402, January 11, 2014.
57. Information hiding using mosaic images with random image key generation, International Journal Of Computers & Technology, (IJCT), Vol 12, No. 3, pp. 3350-3360, January 09, 2014.

58. Ghost-Free High Dynamic Range Imaging Using Histogram Separation and Edge Preserving Denoising, International Journal Of Computers & Technology, (IJCT), Vol 12, No. 3, pp. 3329-3337, January 04, 2014.
59. Content-Based Image Retrieval Approach Using Three Features Color, Texture and Shape, International Journal of Computer Applications, Vol. 97, No. 17, pp. 1-8, July 2014.
60. A Novel Method of Average Filtering For Removing Noise and Face Recognition, International Journal of Computer Engineering and Technology (IJCET), Vol. 5, Issue 8, pp. 55-70, August 2014.
61. A Highly Adaptive Method for Moving Target Detection in Dynamic Background with a Simplified Manner, International Journal of Computer Applications (0975 - 8887) Volume 102, No. 10, pp. 20-26, September 2014.
62. Design of Hybrid Network Anomalies Detection System (H-NADS) Using IP Gray Space Analysis, In Proceeding of Informatica Economica Journal as Invited paper from Romania, vol. 13, no. 2, pp. 110-119, June 2009.
63. Yogendra kumar jain, Ramratan Ahirwal “A Novel Image Steganography Method With Adaptive Number of Least Significant bits Modification Based on Private Stego-keys” IJCSS Journal Vol.4 ,Issue-1-(online)-1985-1553.
64. Ramratan Ahirwal, Alok Sahelay “Timer based Location Management in Cellular Network using Cache Memory” IJCA Journal P:35-42, Vol.39,No.15,ISSN-0975-8887.
65. Ramratan Ahirwal, Swarn Sanjay Sonwanshi “An Efficient and Secure ID-based Remote User Authentication Scheme using Smart Card” IJAIS JournalP:35-41 Vol.1,No.6, ISSN-2249-0868.
66. [Ramratan Ahirwal](#), [Bhagirath Bhalawi](#) “An Efficient Protocol for Securing Multiple Patient’s Privacy in Wireless Body Sensor Network using ECIES” IJAIS Journal P:1-8 Vol.2,No.6,ISSN-2249-0868.
67. [Ramratan Ahirwal](#), [Ganesh Lokhande](#), Y.K. Jain “TCP Congestion Control through Bandwidth Estimation Mechanism in MANET” IJAIS Journal P:41-48,Vol.2,No-4,ISSN-2249-0868.
68. [Ramratan Ahirwal](#) [bhagirath Bhalawi](#),Yogendra kumar jain “An efficient Secure Id-based for Securing multiple patients using ECIES privacy in wireless body sensor network”. IJARCET,Bhopal , India P:-41-46,Vol.1,Issue-3, ISSN-2278–1323.
69. Ramratan Ahirwal, Leeladhar Mahour “Analysis of DDoS Attack, Effect and Protection scheme in Wireless Mobile Ad-hoc Network” IJCSE P:1164-1173,Vol-4,issue-6 .ISSN:0975-3397
70. Santosh chouhan, Ramratan Ahirwal, Dr. Yogendra kumar jain “Traffic control scheme using mobile data collectors for wireless sensor network.” IJSRP P:Vol.2,issue-8,ISSN-2250-3153
71. Ram Ratan Ahirwal &Santosh Chouhan “Optimized Routing Scheme for wireless sensor Network using Multiple Mobile Data collectors.” IJECST P:06-14,V0102, ISSN-2277-9337
72. Ramratan Ahirwal, Neelish kumar Kori, Dr. Y.K. Jain, “Improve data mining approach to find frequent itemset using support count table” IJETTCS ,P:195-201,Vol-1,Issue-2,ISSN-2278-6856
73. Neelish Kumar Kori,Ramratan Ahirwal, Dr.Y.K. jain Efficient Frequent Itemset Mining Mechanism Using Support Count Table IJAIEM P:65-71,Vol-1,issue1,2319-4857
74. Ramratan Ahirwal, Anjali jain , Dr. Y.K. “Signcryption Scheme that Utilizes Elliptic Curve for both Encryption and Signature Generation” IJCA P:-41-48,Vol.62(9), ISSN-0975-8887.
75. Shivbhanu dangi, Ramratan Ahirwal “Performance based Mixed bias Efficient Algorithms for Wireless Mesh Networks with Multiple gateway” IJCA P:43-49, No.-12,Vol-70, ISSN-0975-8887.

76. Mritunjay Singh, Ramratan Ahirwal, Yogendra kumar jain “A New Image Encryption & Decryption approach based on Chaotic Analog Signal Generator” IJC P:17-25,No-1,Vol-1,ISSN-12307-4531.
77. Rajneesh pachori, Ramratan Ahirwal , Yogendra kumar jain “OTPK PAKE Protocol with TRNG based key Generation” IJCST P:11-16 Vol. 4, Issue-12 , ISSN-2047-3338
78. Nitesh kumar Chaurasiya, Ramratan Ahirwal , Yogendra kumar jain “An algorithm to reduce End to End Delay & Enhance the Quality of Service in Mobile Adhoc Network” IJCT Page no.-3147-3157,Vol-12,issue-17 ,ISSN-2277-3061
79. Rameshwar Nath Pathak, Ramratan Ahirwal , Yogendra kumar jain “Contrast Enhancement of hdr images using Genetic Algorithm with efficient Fitness value” IJCSI Vol.10,Issue.-6,No-1,ISSN-1694-0784.
80. Alka Shrivastava and Ramratan Ahirwal “A SVM and K-means clustering based fast and efficient Intrusion Detection System” IJCA 72(6) page 25-29 ISSN-0975-8887
81. Yogesh Singh Rajput,Ramratan Ahirwal , Yogendra kumar jain “Ghost Free High Dynamic Range Imaging Using Histogram Separation and Edge Preserving Denoising” IJCT pp.3329-3337,Vol.12, ISSN-2277-3061.
82. Rustam Rajput, Payal Saxena, Dr Y.K. Jain : Semantic Search Engine using Joomla Framework with Modified tf-idf and TRApriori Algorithm ” IJCA -2012 page no. 17-23..  
<http://research.ijcaonline.org/volume52/number16/pxc3881697.pdf>
83. Laxmi Randa, Payal Saxena, Dr Y.K. Jain : Security Improvisation in Image Steganography using DES.in International Journal of Advanced Research in Computer Engineering & Technology, Volume..3..Issue...7.....July-2014,pp.2320-2327.

### Department of Computer Applications

1. Akash Rajak, Modeling Temporal Databases : A Survey, International Journal of Computer and Electronics engineering, 1(1), June -2009, ISSN : 0975-4202, pp 77-82.
2. Akash Rajak, Research Issues Related to Temporal Mediators Based on Clinical Domain, International Journal of Recent Trends in Engineering, Vol. 1, No. 1, May 2009. ISSN 1797-9617, pp 535-540.
3. D S Rajpoot, Result Analysis using various Pattern Mining Techniques : A Recommendation To Strengthen the Standard of Technical Education International Journal on Computer Science and Engineering Vol. 1 (3), 235-238, 2009. e-ISSN : 0975-3397, Print ISSN : 2229-5631
4. D S Rajpoot A Way to Understand Various Patterns of Data Mining Techniques for Selected Domains, International Journal of Computer Science and Information Security Vol. 6 (1), 186-191, 2009. ISSN: 1947-5500

5. Chetan P. Barhate, View Based Human 3-D Object Recognition, International Journal of Multidisciplinary Research & Advances in Engineering, 1(1), 11-26, Nov.2009. ISSN 0975-7074.
6. Chetan P. Barhate, HVS Model Based 3-D Objects Recognition, International Journal of Engineering Research and Industrial Applications, 2(VII), 279-289, 2009. ISSN 0974-1518
7. Rahul Shukla, Significant Interval and Frequent Pattern Discovery in Web Log Data, [International Journal of Computer Science Issues](#), Volume 7, Issue 1, No 3, 29-35, January 2010, ISSN (Online): 1694-0814
8. Deepak Motwani, Searching web Pages Based on Clicks and Time Spends on Webpage using Novel PPR Algorithm, International Journal of Trends in Computer Science, Volume1, Issue 1, 2014, ISSN: 2348-5205, pp 44-50.
9. Akash Rajak, Modeling Clinical Database using Time Series Based Temporal Mining International Journal of Computer Theory and Engineering (IJCTE), 2(2), 185-188, April 2010. ISSN : 1793-820, E-ISSN : 1793-821X
10. Binod Kumar Computer Security: Selecting An Effective Business Security Model International Journal of Information Technology & Knowledge Management, July-December 2010, Volume 2, No. 2, pp. 425-427. ISSN : 0973-4414
11. Sanjeev Jain, Uday Pratap Singh, Unsupervised Method of Object Retrieval Using Similar Region Merging and Flood Fill, International Journal of Advanced Computer Science and Applications, June 2011 Volume 2, Issue6, U.S. ISSN :2156-5570 (Online), U.S ISSN : 2158-107X (Print) 41-50
12. J.S.Raikwal, Application of Web Mining in Medical and Health Care: A Survey, An International Journal of Engineering Sciences ISSN: 2229-6913 Issue Sept 2011, Vol. 4, 255-264.
13. Vijay K. Verma, Comparative Study Over Classical Apriori and DSIM Methods, An International Journal of Engineering Sciences ISSN: 2229-6913 Issue Sept 2011, Vol. 4, 410-422.
14. Mohd. Shahnwaz, Analysis of Missing Value Estimation Algorithms for Data Farming, An International Journal of Engineering Sciences ISSN: 2229-6913 Issue Sept 2011, Vol. 4, 496-504.
15. Akash Rajak Temporal Reasoning with Time Oriented Medical Database using Models based on Insulin-Glucose Metabolism, International Journal of Computer Science,

Information Technology, & Security, Vol.1 No.2, December 2011, ISSN: 2249-9555 (Online), 2250-1355 (Print), 66-70.

16. Akash Rajak, Achieving Open-loop Insulin Delivery using ITM Designed for T1DM Patients, International Journal of Computer Network & Information Security, February 2012, DOI: 10.5815/ijcnis.2012.01.07, pp. 52-58.(no)
17. Mohd. Shahnwaz, A Comparative Study of Various Regression Model for Data Farming, International Journal of Wisdom Based Computing, Volume 2(1)April 2012, 29-34. ISSN: 2231-4857
18. Geetali Banerji, Predictive Model – A Boon for Real Estate, International Journal of Wisdom Based Computing, Vol.2(1)April 2012, 6-11, ISSN: 2231-4857.
19. Ravindra Kumar Singh, "Load Balancing in IP/MPLS Networks: A Survey" Communications and Network, Vol. 4 No. 2, 2012, pp. 151-156. ISSN Print: 1949-2421  
ISSN Online: 1947-3826  
Link <http://www.scirp.org/journal/PaperInformation.aspx?paperID=19103>
20. Sanjeev Jain,Uday Pratap Singh Semi-supervised Method of Multiple Object Segmentation with a Region Labeling and Flood Fill, International Journal of Image, Graphics and Signal Processing (IJIGSP). ISSN: 2074-9074(Print), ISSN: 2074-9082 (Online), March 2012
21. Sanjay Baipai, Techniques of Stenography for Securing Information: A Survey, International Journal on Emerging Technologies, 3(1),15 April 2012, ISSN(Print):0975-8364, pp 48-54
22. Kanak Saxena Temporal Data Farming using Iterative Prediction on HDD, International Journal of Scientific and Engineering Research (IJSER) - ISSN 2229-5518. Volume 3, Issue 5, May 2012, pp. 1-6
23. J.S.Raikwal, ‘Performance Evaluation of SVM and K-Nearest Neighbor Algorithm over Medical Data set’, International Journal of Computer Applications ISSN 0975 – 8887 Volume 50 – No.14, July 2012, pp. 35-39.
24. Geetali Banerji, Analysis of Data Mining Techniques on Real Estate, International Journal of Soft Computing and Engineering (IJSCE), Volume-2, Issue-3, July 2012, ISSN: 2231-2307, pp 223 - 230



25. Geetali Banerji, An Efficient Classification Algorithm for Real Estate domain, International Journal of Modern Engineering Research (IJMER), Vol.2, Issue.4, July-Aug. 2012, ISSN: 2249-6645, pp-2424-2430
26. Geetali Banerji, A comparative analysis of Bayesian methods for Real Estate domain, International Journal of Physical and Social Sciences, Volume 2, Issue 9 September 2012, ISSN: 2249-5894, pp. 554-565
27. Mohd. Shahnwaz, Rule Based Data Farming using Clustering on Cardiac Patient Data, The International Journal of Computer Science & Applications (TIJCSA), Volume 1, No. 9, November 2012 ISSN – 2278-1080, pp 1-8.
28. J.S.Raikwal, Dr.Rahul Singhai, Integrating Markov Model with KNN Classification for Web Page Prediction, International Journal of Computer Applications, ISSN 0975 – 8887 Volume 61– No.22, January 2013, pp. 11-15.
29. J. S. Raikwal, A Search Engine Modification For Medical Content Search, International Journal of Emerging Technology and Advanced Engineering, ISSN 2250–2459, Volume 3, Issue 2, February 2013, pp. 110-116.
30. Mohini Chaudhari, Fast and Secure Data Transmission using Symmetric Encryption and Lossless Compression, International Journal of Computer Science and Mobile Computing, ISSN 2320–088X, IJCSMC, Volume 2, Issue 2, February 2013, pp.58 – 63.
31. Sanjay Baipai, Enhancement of security and embedding Capacity through Huffman Coding in Stenography, International Journal of Emerging Trends and Technology in Computer Science (IJETTCS), Volume 2, Issue 4, ISSN 2278-6856, July-August, 2013, pp. 73-78.
32. Ravindra Kumar Singh, N.S. Chaudhari, Probabilistic Selection of QoS Paths for Improving Survivability in MPLS Networks, Communications and Network, 2013, 5, pp. 328-336 Published Online November 2013 (<http://www.scirp.org/journal/cn>)  
<http://dx.doi.org/10.4236/cn.2013.54041>
33. Vijay K. Verma, Mining Regular Pattern Over Dynamic Data Stream Using Bit Stream Sequence, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-3, Issue-7, December 2013, pp 7-10
34. Sanjay Baipai, High End Capacity in Digital Image Steganography : Empowering Security by Mottling through Morphing, International Journal of Scientific and

Engineering Research(IJSER), Volume 5 Issue 2, ISSN 2229-5518, February 2014, pp 1081-1086.

35. Vijay K. Verma, Mining Low, Medium and High Profit Customers Over Transactional Data Stream, International Journal of Computer Applications (0975 – 8887), Volume 92 – No.8, April 2014, pp 6-10.
36. Geetali Banerji, Outlier free Real Estate Predictive Model, COMPUSOFT, An international journal of advanced computer technology, 3 (6), June-2014 (Volume-III, Issue-VI), ISSN:2320-0790, pp 831 – 835.

### Department of Information Technology

1.	Sneha Soni, ShailendraShrivastava, Classification of Indian stock market date using machine learning algorithm, International Journal of Computer Sc. & Engineering
2.	Shailendra Kumar Shrivastava, Preeti Jain , Effective anomaly Based intension Detection using Rough set Theory & Support vector machine International Journal of Computer Applications
3.	Shailendra K. Shrivastava ManishaTantuway, A Decision Tree algorithm based on Rough set Theory after dimension ability Reduction International Journal of Computer Applications
4.	ShailendraShrivastava Et al. SVM for web projecting usual catching International Journal of Computer Applications, March 2011
5.	ShailendraShrivastava Et al. Review of combining multiple K- nearest neighbor classifiers July-Dec 2010- Journal of Computational Intelligence Research & Application.
6.	Rashmi Singh Lodhi Shailendra Kumar Shrivastava Evaluation of Support Vector Machines Using Kernels for object detection in images International Journal of Engineering Research and applications (IJERA) ISSN: 2248-9622 <a href="http://www.ijera.com">www.ijera.com</a> Vol. 2, Issue 1, Jan-Feb 2012, pp. 269 -273
7.	Shailendra Kumar Shrivastava Preeti Jain Effective Anomaly based Intrusion Detection using Rough Set Theory and Support Vector Machine International Journal of Computer Applications (0975 –8887) Volume 18 –No. 3, March 2011

8.	Shailendra Kumar Shrivastava Pratibha Chaurasia Handwritten DevanagariLipi using Support Vector Machine International Journal of Computer Applications (0975 –8887) Volume 43 No.20, April 2012
9.	Romil Rawat Shailendra Kumar Shrivastav SQL injection attack Detection using SVM international Journal of Computer Applications (0975 – 8887) Volume 42 No.1 3 , March 2012
10.	Babita Ujjainiya, Shailendra Kumar Shrivastav SVM Regression for Web Prefetching and Caching International Journal of Computer Applications IJCA Journal (2011)
11.	Prof.Pranita Jain , Prof.R.K.Pateriya, Dr.R.P.Singh Performance Enhancement of Intrusion Detection System using Neural Network CiiT International Journal of Artificial Intelligent Systems and Machine Learning , ISSN 0974 – 9667.September2009
12.	Raj kumar Sharma , Prof. Pranita Jain, Prof.Shailendra Shrivastava An Optimize Decision Tree Algorithm Based on Variable Precision Rough Set Theory Using Degree of $\beta$ -Dependency and Significance of Attributes International Journal of Computer Science and Information Technologies, May-June 2012,ISSN:0975-9646
13.	Prof.Pranita Jain, Dilip Kirar Equirs: Explicitly Query Understanding Information Retrieval System Based on Hmm INTERNATIONAL JOURNAL OF Engineering INVENTIONS (IJEI) ISSN:2278-7461
14.	.Pranita Jain, Varsha Choudhry CLASSIFICATION: A decision tree for uncertain data using CDF INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND APPLICATIONS,Jan-Feb 2013
15.	Pranita Jain, Jitendra Parmar A different approach of intrusion detection and response system for relational databases INTERNATIONAL CONFERENCE ON GREEN COMPUTING , COMMUNICATION AND CONSERVATION OF ENERGY IEEE-IGGCE CHENNAI, ISBN: 978-1-4673-6125-5,Dec2013
16.	Abhishek Mathur Ruchi Saxena “An Efficient Constarint based Soft Set Approach for Association Rule Mining” International National Journal of Engg. Research and Applications,IJERAVol 2 issue 4. July –Aug 2012
17.	AbhishekMathur Amit Anand Soni “Content Based Web Spam Detection using naïve bayes

	with different feature representation technique” International National Journal of Engg. Research and Applications, IJERA Vol 2 issue 4. Sept –Oct 2013
18.	Shaila Chugh Character localization from natural image using nearest neighbors approach IJSER VOLUME 2 ISSUE 12 DEC 2011 (ISSN 2229-5518)
19.	Shaila Chugh and Achint Chugh Scene text recognition using nearest neighbors approach IJETAE VOLUME 2 ISSUE 5 MAY-2012 (ISSN 2250-2459)
20.	Sandeep Raghuwanshi R K Pateriya, Pranita Jain An Evaluated Comparison of SSL and SET JInternational Journal of Intelligent System PP 07-09 Volume 1 Issue 1 2010
21.	Sandeep Raghuwanshi ,Sumit Dhariwal Content Based Image Retrieval Using Normalization of Vector Approach to SVM Advances in Computer Science, Engineering & Applications Advances in Intelligent and Soft Computing PP 793-801 Volume 167, 2012
22.	Anil Fatehpuriya, Sandeep Raghuwanshi An Efficient Wormhole Prevention in MANET Through Digital Signature International Journal of Emerging Technology & Advanced Engineering Volume 3, Issue 3, March 2013.
23.	Mohd. Iqbal Sandeep Raghuwanshi, Analysis of Digital Image Processing with Parallel and Overlap Segment Technique. International Journal Of Engineering Research & Technology PP 216-2121 Volume 2 Issue 6 June -2013
24.	AnkitJat , Sandeep Raghuwanshi, Strengthen Fingerprint Data Security Using Chaotic Map Approach International Journal of Engineering Research and Technology Volume 2 Issue 7 July- 2013
25.	Ms. Lovely Yadav , Sandeep Raghuwanshi, Audio Signal based Environment Determination for Mobile Robots By time Frequency Analysis International Journal of Engineering Research and Technology, Volume 2 Issue 7 July- 2013
26.	Amit Kumar Manjhvar To improve web navigation method by weighted order representation for mining association rules International journal on innovative research in Engg & science, vol.2/april2014 ISSN 2279-0292
27.	Rashmi Nigoti, Shailendra Singh Survey of Secret sharing algorithm for multiparty authentication in cloud computing IJARCSSE Journal, Issue 9, Volume 3 , September, 2013
28.	Rashmi Nigoti, Manojhuria, Shailendra SinghA Survey to cryptographic algorithms for cloud computing IJETCAS, Issue 4, Volume 2 , pp. 141-146, March-May, 2013

## Department of Civil Engineering

S.No.	Title	Authors	Journal	Year
1	Fatigue life prediction analysis of surface cracked straight pipes	Sanjeev Saxena, N. Ramakrishnan & J.S. Chouhan	Trans. Of the Indian Instt. of Metal 2009	2009
2	Quality, Durability, Performance & Service Life of Building Materials	J.S. Chauhan	B.M.T.P.C. Special Issue, Nirman Sarika	5 Oct. 2009 World Habitat day
3	Design Parameters for energy Efficient Buildings – Consulting A head ...	J.S. Chauhan	The Journal of Consultancy Development Centre Vol. – 4	2 July 2010
4	Energy Efficient Building for Urban areas	J.S. Chauhan	NCHF Bulletine – Vol. XXVI	Sept.-Oct. , 2013
5	Planning & Design of Cost Effective & Environment Friendly House in urban Area	J.S. Chauhan	B.M.T.P.C. Special Issue, nirman Sarika	7 <sup>th</sup> Oct. 2013
6	Building an Ecology Sustainable Society	J.S. Chauhan	Indian Social Science Congress	27-31, Dec., 2013

## Department of Chemical Engineering

1. Preliminary Studies of Eutrophication of Betwa River. M. Datar. International Journal of Engg. Reasearch & Indu. Appls. Vol. I, No. 1 (2008), pp. 261-266. (ISSN 0974-1518).
2. Water Quality Assessment in Betwa River Water During Monsoon and Post Monsoon Season.. M. Datar. International Journal of Engg. Reasearch & Indu. Appls. Vol. I, No. 1 (2008), pp. 251-259. (ISSN 0974-1518).
3. A study on the effect of heat treatment temperature on mesophase development in coal tar pitch. Neha Soni, Raviraj K. Shah, Rakesh Shrivastava, and Manoj Datar. AIP Conf. Proc. 1538, pp. 141-145. 2013.

4. Assessment of Antidiabetic activity of Ocium canum leaf extract against alloxan induced diabetes in Albino rats. Pankaj Shrivastava and Manoj Datar. International Journal of Biological & Pharmaceutical Research. 2014;5(11): 820-823. e-ISSN o976-3651.
5. Studies on adsorptive removal of heavy metal (Cu, Cd) from aqueous solution by tea waste adsorbent. DPS Rajput , A. Dwivedi . INTERNATIONAL JOURNAL OF ECOLOGY, ENVIOROMENT AND CONSERVATION. Vol no. 20 issue no. 1 (2014), pp. 85-90. (ISSN 0971-765 X).
6. A review on adsorptive removal of heavy metal(Cu, Cd) from aqueous solution using low cost adsorbent DPS Rajput , A. Dwivedi . INTERNATIONAL JOURNAL OF INDUSTRIAL POLLUTION CONTROL. Vol no. 30 issue no. 1 (2014) (ISSN 0970-2083).
7. Adsorption of heavy metal (Cu,Ni and Zn) from synthetic waste water by tea waste adsorbent. Mukesh Parmar, Lokendra Singh Thakur. Internation journal of Chemical and physical sciences. Vol. 2 (6) (2013) (ISSN 2319-6602)
8. Heavy metal Cu, Ni and Zn: toxicity, heath hazards and their removal techniques by low cost adsorbents: A short review. Mukesh Parmar, Lokendra Singh Thakur. Internation journal of plant, animal and environment sciences. Vol. 3 issue 3 (2013) , (ISSN 2231-4490)
9. Mathematical modeling of uasb reactor for dairy waste water treatment. Varsha parashar , ashok k. Sharma, sarita Sharma, sanjay verma. INTERNATIONAL JOURNAL OF SCINTIFIC RESEARCH. Vol 3 issue 8 (2014) pp 151-153. (ISSN 2277-8179).
10. Adsorption of heavy metals from industrial down stram using polypyrroly as a polycomposite material. Bablu Alawa, Alka Shrivastava, J.K. Shrivastava, J. Palsaniya. Novus international journal of Engineering and Technology. Vol. 3 issue 1 (2014), pp 35-46, (ISSN 2320-7191).
11. UASB reactor performance based on height. Shourabh Singh Raghuwanshi. International Journal of Industrial Pollution Control. Issue no. (1) 2013, (ISSN 0970-2083).

## National Journals

### Department of Applied Physics

1. Exact Traveling Wave Analysis of Second Harmonic Solitary Wave in a Nonlinear Medium, R.K. Pathak, R.K.Jain and J.Parashar, *Jñānābha* **39**, 91 (2009).
2. Visible emission spectra of Er<sup>3+</sup>-Yb<sup>3+</sup> doped Lithium Tungsten Tellurite Glasses Ghizal Ansari& S.K.Mahajan, SATI Journal of Science& Technology, Vol **2**,49-51 ,(2010)
3. Impact ionization effects on propagation of a millimeter wave in GaAs, R.K.Pathak, J.Parashar and S.Katara, *J. Pure, App. & Indus. Physics* **1**, 121 (2011).
4. Self-Focusing of two co-propagating Gaussian Laser Beams in an Optical Fiber, J.Parashar Rajendra Pathak and S.Kataraey, *Journal of Engineering, Science & Management Education* (NITTR Bhopal) **4**, 118 (2011).
5. Detection of Terahertz Signals via Direct Current Generation in a Semiconductor with a Magnetic Wiggler, Rajendra Pathak, R.K.Jain and J.Parashar, *Journal of Engineering, Science & Management Education* (NITTR Bhopal) **4**, 158 (2011).
6. Nonlinear mixing of whistler waves in ionosphere, Harsha Jalori, Deepak Sondhiya, A.K.Gwal and J.Parashar, *International Journal of Physics & Applications* **4**, 169-173 (2012).
7. Terahertz radiation generation by optical rectification of a surface plasma wave pulse, Ekta Mishra, N.K.Gaur, S.K.Mahajan, Harsha Jaloree and J.Parashar, *International Journal of Applied Physics* **2**, 213-220 (2012).
8. Verification of purity of antimicrobial additives benzoic acid and sodium benzoate using physicochemical analysis Jain Ravi, Sharma PK, Sanas P, Chourasia R, Bhargave N. *Vijanana parishad anushandhan patrika*, Vol**55**,45-50 2012.

## Department of Applied Chemistry

1	Antioxidant Activity of Adhotoda Vasica Nees Manik Sharma, Bindiya shahu, Priyam singh, miralini singh, Narmarta Singh, Jagrati tripathi, shail bala sanghi, s.d. Dwivedi, Pradeep Sharma Indian Journal of Applied Life Sciences Vol. 6 (1&2) pp 11-13 June –Dec. 2010 ISSN 0973-838X.
2	Antibacterial activity of plant extract phytochemicals on antibiotic resistant bacteria. Jagrati Tripathi, Shail Bala singh, Pradeep Sharma, Namrata singh, Mrinalini singh, Bindia sahu, P.N. Tiwari Indian Journal of Applied Life Sciences Vol.6 (1&2) pp 4-7 June- Dec 2010 ISSN 0973-838X
3	Evaluation of antimicrobial activity of Methanol crude extract of Parkinsonia aculeate L. (Family – Leguminosace) leaves Priyam singh, Rajni Shrivastava, R.C. saxena, Manik Sharma, Mrinalini singh, Namrata singh, Manvendra singh, Jasrati tripathi, Pradeep shamra Indian Journal of Applied Life Sciences Vol.6 (1&2) pp 4-7 June Dec 2010 ISSN 0973-838X.
4	“Effect of Contact Time, pH & Temperature on the Adsorption of Methylene Blue by Spent Tea leaves” Inventi rapid: Water & ENVIRONMENT A. Upadhyay, P. Sharma, R. shah. S. Bhati Invent Rapid: water & Environment Vol. 2011 issue 3 (ISSN 2229-7766)
5	Verification of Purity of antimicrobial benzoic acid and sodium benzoate using phico-chemical analysis. N. Bhargava, R, Chourasia, P. Saran, P.K. Sharma, Ravi Jain Vijanana Parishad Anushandhan Patrika- Vol. 55, No.3, July 2012: ISSN 0505-5806
6	Total Flavonoid Content and anti-oxidative properties of Argemone maxicana Farheena Siddiqui, Pradeep Sharma, Manik Sharma Search & Research Vol-V No.(1) 40-47 (2013) June- Sept. 2013
7	Screening Pattern of Some Urinary Tract Isolates to Argemone Maxicana Methanol Extracts Farheena Siddiqui, Dr. Pradeep Sharma, Dr. Manik Sharma Int. IJORS Vol, 2 Issue 11 Nov. 2013 1121-1134 ISSN No: 2278-9464
8	Total Phenolic And Flavonoid Content of Argemone Maxicana Plant Siddiqui Farheena, Sharma Pradeep IJPI Vol-3 No. 1 40-47 Dec. 2013 ISSN 2249-1031
9	Anti microbial studies of Petroleum Ether, Ethyl Acetate and Methanol Extract of Argemone Maxicana Whole Plant, on Human Vaginal Pathogens Causing UTI Infection Farheena Siddiqui, Pradeep Sharma, Manik Sharma J. Chem. & Cheml. Sci. Vol. 4 (1) 9-19 (2014) Jan. 2014 (1-69) ISSN-2229-760X
10	Evaluation of Anti-oxidants and Toxicological Activities of Crude Extracts from Argemone Maxicana Farheena Siddiqui, Pradeep Sharma, Manik Sharma J. Chem. & Cheml. Sci. Vol. 4 (1), 21-26 (2014) Jan. 2014 (1-69) ISSN 2229-760X
11	Physico-chemical analysis on liquid carbon fuel oil from polythene waste Asok Patidar Priyanka Jain, R. N. Shukla Indian Journal of Life Science 2011 Volume: 7(1) ISSN 0973-838X Page: 30-36 Dec 2011



12	Physic-chemical analysis of Soil in and around Industril area at Mandeep A case Study to Save Soil and Water from contamination Huda Khan, R.N.Shukla. Search And Research: An Interdisciplinary Research Journal 2012 Special Issue ISSN-0975-57113 Page:99-100
13	Pankaj S. Shrivastava, Kailash Niranjana, Swati Dubey Design of ecofriendly Caprolactum Production using one step catalyst National Seminar on “ Green Chemistry for environment & Human health” organized by Deptt. of Applied Chemistry SATI, Vidisha & Sponsored by MPCST, Bhopal on 17-18 Nov. 2012

### Department of Humanities

1.	Dr. Manorama Saini, “Micro Finance –A Macro Business Opportunity for Rural evloperment”. Journal of C. G. Economic Association, Raipur(C.G.) February 2010
2	Dr. Manorama Saini, Dr. Veena Datar, “Agrarian Distress and Measures” JERAD-Journal of Environmental Research and Development, Bhopal(M.P.) Dec.2010
3	Dr. Manorama Saini, Dr. Veena Datar, ,Dr.Sonia Rajpoot “Public-Private Participation in Madhya Pradesh Economy” Journal of Madhya Pradesh Economic Association, Feb. 2011.,Page no. 227
4	Dr. Manorama Saini, Dr. Veena Datar, Dr. Bhasha Shukla “Performance Assessment of Employees in Organization -A case study” ” Indian Journal of Commerce & Management Studies , ISSN 2229-567, March2011,Vol.-II,Issue-2 PP. 253-258.
5	Dr. Manorama Saini, Dr. Veena Datar, Dr. Bhasha Shukla “Job Stress Among Workers – An Experimental Approach” “International Journal of Multidisciplinary Research & Advances in Engg.” (IJMRAE) ISSN 0975-7074, April 2011,Vol. 3, PP. 15-23.
6	Dr. Manorama Saini,,Deepa Choudhary, Ajay Choudhary “Digital Advertising over traditional Advertising” International Journal of Computational Intelligence and Information Security ISSN.1837-7823,July 2011,Vol.2 No.7, Page no.21-29
7	Dr. Manorama Saini, Dr. Veena Datar, Dr. Bhasha Shukla “Role of Training in Organizational Success” Global Economic Meltdown, ISBN: 978-93-80834-31-3, 2011, PP. 249-251
8	Dr. Manorama Saini, Dr. Veena Datar, Dr. Bhasha Shukla “Importance of Environmental Management” Journal of Emerging Trends in Basic Sciences, ISBN.978-93-81583-22-7, 2012, Page no.29-30

9	Dr. Manorama Saini,,Dr. Veena Datar, Dr. Geentajali Sharma “Development of Human Resource in the Organization” SATI Journal of Science and Technology, , ISSN .0973-4007, 2012, page no. 01-03.
10	Dr. Manorama Saini, Dr. Sonia Rajpoot “Performance Appraisal is the Key to High Performance” ” Research on Humanities and Social Sciences( <a href="http://www.iiste.org">www.iiste.org</a> ) ISSN 2222-1719 (Paper) ,ISSN 2222-2863 (Online), Vol.3, No.8, 2013

### Department of Management Studies

1. D.Jain “*Financial Reforms In India*”, Pioneer Institute of Management, Indore(Feb.2010)
2. D.Jain “*Role of Managers in Corporate Management*”, H.S. Gour University, Sagar, (Dec.2010)
3. D. Jain“*Role of Banks & financial Institutions in promoting Financial Inclusion*”, Neelkanth institute of Technology, Merrut, (Mar.2012)
4. P.Tiwari, Stress management at work, SATI Journal of Science and Technology, vol-1/no-1/2012/pg no-27-31, ISSN 0973-4007.
5. Soniya Rajput, “Small Scale Sector in India : Status, Growth and Future Prospects: published in the Journal Naveen Samajik Shodh ISSN: 0975-4431 Vol. No.7, 59-81, Sep. 2011
6. Soniya Rajput, “Role of Public Sector in Indian Economy” published in the Upkram Magazine ISSN: 2277-4580 Vol.9 No.36 , 64-68, January –March 2012
7. Soniya Rajput, “Stress Management at Work” published in the SATI Journal of Science & Technology ISSN 0973-4007 Volume:3, No.1, 27-30, 2012

### Department of Applied Mathematics

1. “A Typical Integrals Involving I-function of one variable”, Giriraj Singh, Shailesh Jaloree and Anil Goyal, JNANABHA, Vol. 41Orai, (U.P.) in 2011.

2. "Application of a theorem on Meijer transform for evaluating an integral involving I-function of one variable", Giriraj Singh, Shailesh Jaloree and Anil Goyal , JIAM,VOL. 33 No. 1(2011) INDIAN ACADEMY OF MATHEMATICS,INDORE (M.P.) in 2011.
3. "Some Integrals Involving a general class of polynomials, a general sequence of functions and I-function of two variables", Giriraj Singh, Shailesh Jaloree and Anil Goyal , MATHEMATICS EDUCATION ,SIWAN(BIHAR), Vol.XLVII,No.2,June 2011.
4. "Heats Conduction and I-function of two variables", Giriraj Singh, Shailesh Jaloree and Anil Goyal , BLB , International Journal of Science & Technology, Bhopal , Vol 1,No. 2 (2010),217-222 in 2010.
5. "Application of I-function of two variables on the problem of Heat Conduction in a finite bar" , Giriraj Singh, Shailesh Jaloree and Anil Goyal International Journal of physical Science,Vol.23(1)M, 165-272 in 2011.
6. "On Derivatives of the I-function of one variable", Tuteja Reema, Shailesh Jaloree and Anil Goyal, Journal of Mathematics Education, Siwan.
7. "A New Integral with the product of I-Function, Bessel, s Function and general class of polynomials" Tuteja Reema, Shailesh Jaloree and Anil Goyal, publication in International Journal of Mathematical science & Engineering Applications (IJMESA).
8. Some New results on fixed point theorems in fuzzy Metric spaces. International Journal of Applied Mathematical sciences ISSN 0973-0176 Vol , Number 1 ( 2013 ) PP 45-53.
9. Extension of some common fixed point theorems for Non compatible Mapping in Fuzzy metric space. International journal of statistika and Matematika ISSN-2277-2790, E-ISSN-2249-8605 , Vol 7 issue 1 , 2013 pp – 04 -07.
10. Some contribution on finding the results of R- weakly commuting Mapping in Fuzzy Metric spaces.International Journal of pure and App. Mathematical science. ISSN 0972 – 9828 vol 6 , No – 5 ( 2013 ) pp – 375 – 381 .
11. Extension of sub compatible maps in fuzzy metric spaces, IOSR Journal of Mathematics ( IOSR – JM ), e-ISSN : 2278 – 3008 , p-ISSN : 2319 – 7676 vol 10, issue 1 (Feb 2014 ) pp 62 – 65.
12. New results on occasionally weakly compatible mapping and fixed point theorem in fuzzy metric spaces satisfying integral type Inequality Research inventory International journal of engineering and science vol 4 , issue 3 ( Mar 2014 ) pp – 7 – 14 ISSN : 2278 – 4721.

13. .On common fixed point of Nonself I-nonexpansive mapping for Noorteration in Branch space, International Journal of pure and Applied Mathematics Science. ISSN . 0972 – 9828. Vol . 5 , No .4(2012, pp. 35-41).
14. Common fixed point theorems for compatible Mapping satisfying the Mann type iterations in Banach spaces. International Journal of Advanced Material Science. ISSN 0973 – 0176 vol . 5 , No. 1 (2012), pp. 1-8.
15. On Convergence theorem of fixed point theorem for Nonself I- nonexpansive mapping of Ishikawa iteration in Banch spaces. International Journal of statiatika and Matematika. ISSN – 2277-2790 E-ISSN-2249-8605 , vol 7, issue 1 , 2013.pp-01-03.
16. Weak convergence theorem of khan iterative scheme for Non self I – nonexpansive Mapping IOSR Journal of Mathematics (IOSR – JM), e-ISSN : 2278 – 3008, p-ISSN : 2319 – 7676. Vol. 10, Issue 1, vol II (feb 2014) pp, 11-14.
17. Fixed point theorem for four weakly compatible Mapping in non Archimedean Menger PM- spaces International Journal of Science & Engineering Research , vol . 5, Issue 6, june 2014 ISSN . 2229-5518.
18. Common Fixed points of a countable family of I- non expansive Multivalued Mapping in Banach spaces. American Journal of Applied Mathematics and Statistics , 2014, vol 2 No. 4, 4. 239-243.

## Department of Chemical Engineering

- 1 Isolation, Identification and characterisation of process related impurities in Losarten Potassium drug substance. M. Thapa, R. Nautiyal, M.Datar, A.K.Singh. Asian Journal of Chemistry. Vol.22, No.6 (2010) 4295-4298.(ISSN 0970-7077)
- 2 Identification of Related substances in Erythromycin drug by Liquid chromatography/ Mass spectrometry. M. Thapa, R. Nautiyal, M.Datar, A.K.Singh. Asian Journal of Chemistry. Vol.22, No.5 (2010) 4127-4129.(ISSN 0970-7077)
- 3 Pharmacognostic evaluation and physico- chemical analysis of Alstonia scholaris bark. Neeta Shrivastava, Manoj Datar and R.C.Saxena. Biomedical and Pharmacology Journal. Vol. 03(1), (2010), pp.147-150. (ISSN 0974-6242).
- 4 Preliminary Physio-chemical & Phytochemical characteristics of powdered material of Cassia Fistula Fruit. Biosciences,. Neeta Shrivastava, Manoj Datar and R.C.Saxena Biotechnology research asia. Vol. 07, No.01, (2010), pp.125-129.
- 5 Physico chemical evaluation and qualitative determination of phytochemicals in powdered mixture of ocium canum leaves and flower. Pankaj Shrivastava, Manoj Datar and R.C.Saxena. In the proceeding book "Emerging Trends in Basic sciences". pp 34-36.2012. (ISBN 978-93-81583-22-7).
- 6 Importance of Environmental Management. Veena Datar, Manorama Saini, Manoj Datar. In the proceeding book "Emerging Trends in Basic sciences". pp 29-30.2012. (ISBN 978-93-81583-22-7).
- 7 A Study on the effect of Pressure on the density and microstructure of Graphite foam. Neha Soni, Raviraj Shah, Rakesh Shrivastava and manoj Datar. In the proceeding book "Emerging Trends in Basic sciences". pp 37-40.2012. (ISBN 978-93-81583-22-7).
- 8 Preliminary studies of phytochemical screening and physicochemical analysis of moring oleifera. Pankaj Shrivastava, Manoj Datar and R.C.Saxena. Accepted for publication in SATI Journal of Science & Technology (ISSN 0973-4007).
- 9 Isolation and structural elucidation of the steroidal saponin; Stigma-4—En-3-0-b-D-Galactopyranoside from Ocium Canum. Pankaj Shrivastava and Manoj Datar.

Indian Journal of Applied Research. Vol 4, Issue 9, Sept 2014. Pp 62-65. ISSN-2249-555X.

## International Conferences

### Department of Applied Physics

1. White light Upconversion emission in  $\text{Yb}^{3+}/\text{Er}^{3+}/\text{Tm}^{3+}$  codoped oxyfluoride lithium tungsten Tellurite glass ceramics , Ghizal F. Ansari, S.K. Mahajan, *Photonics West - 2012, Oxide-based Materials and Devices III*, San Francisco CA , USA Proc. of SPIE vol. 8263, 82630L1-6 (2012)
2. Non-linear properties of  $\text{Er}^{3+}$  ions doped  $\text{TeO}_2\text{-Li}_2\text{O-WO}_3$  glass by 800nm femosecond laser excitation , Ghizal F. Ansari, S.K. Mahajan and J. Parashar , *Photonic West -2012 , Nonlinear Frequency Generation and conversion : Materials and Devices and Applications XI* , San Francisco CA , USA Proc. Of SPIE vol. 8240, 8240L-1-7 (2012)
3. Green and red Upconversion luminescence of  $\text{Er}^{3+}$  oxyfluoride tellurite doped glass pump by 808nm laser , Ghizal F Ansari and S.K. Mahajan, Proc. of International conference on Luminescence and its applications (ICLA- 2012) at Indian Institute of Chemical Technology, Hyderabad (A.P.) ,Page 107 7-11 Feb. 2012
4. Upconversion emission of  $\text{Er}^{3+}$  doped sodium oxyfluorotellurite Glass, Ghizal F.Ansari , S.K.Mahajan, Proceeding of International Conference on Specialty Glass& Optical Fibre: materials, Technology & Devices (ICGF-2011), Central Glass and Ceramic Research Institute ( CSIR) , Kolkata ,August 4-6, page No.130-131 (2011)
5. Blue Upconversion emission in  $\text{Tm}^{3+}$  doped Oxyfluorotellurite glass Ceramics , Ghizal F.Ansari , S.K.Mahajan, Proceedings of DAE- BRNS 3<sup>rd</sup> International Symposium on Materials Chemistry , at BARC Mumbai, page No122, Dec 7-11,2010

## **Dr.R.C.Jain, Director**

1. R.C. Jain & Sonam Gupta “Digital Restoration of Artistic work by Recognition of Breaks in digilized Pictures: International Conference of Reliability, Info com Technology and Optimization, Nov. 2010.
2. R.C. Jain and Devendra Singh Rathore and Babita Ujjaniya “A Text Mining method for Research Project Selection using KNN” International conference on Green Computing, Communication and conservation of Energy (ICGCE-2013) Sponsored by IEEE ISBN:978-1-4673-6125-5, pp 902-906.
3. R.C.Jain, Vineet Richhariya, R.K.Pandey, J.L.Rana “ An optimized Technique for Network Intrusion Detection Using Unsupervised Clustering Approach of Data Mining” International conference on Concurrent Technology and Environment Search, 4-5 Dec. 2010.
4. R.C. Jain, Varsha Sharma, Sanjeev Sharma “Data Mining Applied to Intrusion Detection” Internatonal Conference on Recent Trends in Soft Computing & I.T., Bhopal, Jan. 9-10, 2010 pp 202-208.
5. R.C. Jain, Pradeep Chouksey, R.S. Thakur “Frequent Pattern Mining using candidate Generation Approach with Single Scan of Database” International Conference on Computer Technology and Development (ICCTD-2009) Kota Kinabalu, Malaysia.
6. R.C. Jain, Pradeep Chouksey, R.S. Thakur “Exploring Interesting Multi level Patterns Using Graph Based Approach” 4<sup>th</sup> International Conference on Artificial Intelligence (IICAI-09) December 16-18, 2009 in Tumkur (Near Bangalore).
7. R.C. Jain, Rajesh Nigam “Web user Mining: Issue, Solution and Application area” International Conference on Recent Trends in Soft Computing & IT, Jan 2010 pp 110-114.
8. R.C. Jain, Setu K. Chaturvedi, D.K. Swami “A Summary on Web Page Classification Techniques” Proceedings of GLOGIFT-07, UP Tech. Univ. NOIDA, pp 611-619.
9. R.C. Jain, Divakar Singh, Anju Singh, Pratyooash Rai “Study of Privacy Preserving Data Mining Techniques” International Conference BUIT, Bhopal, Feb. 2010.
10. R.C. Jain, Divakar Singh, Anju Singh, Pratyooash “Analysis of Algorithms for Rule Hiding “International Conference Corporate Institute, Bhopal, Jan 2010.
11. R.C. Jain, Jitendra Agarwal “An Efficient Algorithm for Mining Frequent Item”, IEEE International Conference on Advances in Computing, Controlling Telecommunication Technologies 2009 pp 179-183. Paper is published in IEEECS Digital Library.
12. R.C. Jain, Jitendra Agarwal “A New Parallel Prime Multi Algorithm for Rule Mining” Published on CIIT International Journal of Data Mining & Knowledge Engineering, Coimbotore, Tamilnadu, Aug. 2009 Ref. <http://ciitresearch.org/dmkmaugust2009.html>
13. R.C. Jain, Versa Sharma “Multi-hop Celeccular Networks , A Survey” Accepted in 2<sup>nd</sup> International Conference on Networks and Communication (Netcom 2010) Dec. 27-29, 2010 Chennai, India.



14. R.C. Jain, Sunil Joshi “ A sequential Pattern Mining Approach Using formal language query Processing” Accepted in International Conference on Advance Computing & Communication Technologies for high performance Application FISAT Cochin, Kerela 24-26 Oct. 2008.
15. R.C. Jain, Sunil Joshi “A Dynamic Approach for frequent Pattern Mining using Transportation of Data base” Accepted in IEEE International Conference on Communication Software and Network (ICCSN 2010) for 26-28 Feb. 2010.
16. R.C. Jain and D.P. Shrivastav “Test case Design Matrics for Unit Testing”, 26<sup>th</sup> International Conference on Computer and their applications (CATA-2011), New Orleans, Couisiana, USA.
17. R.C.Jain and Vivek Sharma “Motion Restoration of Image and Video under Stationary or Moving Camera” Accepted in International Conference on Computaional Intellegence & IT, to be held at Banglore on 3-4 Dec.,2012.
18. Jain R C et al “An efficient Curvelet Bavesian N/W based Approach for Image Denolsiy” IEEE Int. Conf. on Advances in Engineering and Tech. Research(IEEE ICAETR-2014) Aug. 2014.
19. Jain R.C. et al “Block Based Compressive Sensing Algo. Using Eigen Vectors for Image Compression” IEEE Int. Conf. on Advances in Engineering and Tech. Research(IEEE ICAETR-2014) Aug. 2014..

### Bio- Medical Engineering Department

- [1] S. D. Sharma, D. K. Shakya and S. N. Sharma, “Evaluation of DNA Mapping Schemes for Exon Detection,” International Conference on Computer, Communication and Electrical Technology, Tirunelveli, India, pp.71-74, March 18-19, 2011.
- [2] D. K. Shakya, Rajiv Saxena and S. N. Sharma, “A DFT-Based Algorithm for Gene Prediction with Better 1/f Noise Suppression,” I<sup>st</sup> IFIP International Conference on Bioinformatics, Surat, India, March 25-28, 2010.
- [3] D. K. Shakya, Rajiv Saxena and S. N. Sharma, “A Simple Algorithm for Gene Prediction with Improved Noise Suppression,” Proceedings of the 10<sup>th</sup> IEEE International Conference on Signal Processing, Beijing, China, pp.1765-1768, October 24-28, 2010. ISBN: 978-1-4244-5898-1.
- [4] Vidhi Rawat , Alok Jain, Vibhakar Shrimali,” Analysis and Assessment of Ultrasound Images for Fetal Biometry Using Morphological Operators”, International Conference on artificial intelligence,IICAI-11,14-16,Dec,2011.

- [5] Dinkar Rao Dongre, Vidhi Rawat, Abhishek Rawat, "Concealed weapon detection using wavelet fusion", International conference on signal and image processing, 11-12 June, 2013.
- [6] "FIR filter for noisy ECG signal filtering using Kaiser Window" at Trinity Institute of Technology & Research, Bhopal in 16<sup>th</sup> and 17<sup>th</sup> Aug 2013. (PP-175-181, ISSN(print) 2229-3027, volume-10, issue 9).
- [7] "FIR filter for noisy ECG signal filtering using Kaiser Window" at Trinity Institute of Technology & Research, Bhopal in 16<sup>th</sup> and 17<sup>th</sup> Aug 2013. (PP-175-181, ISSN(print) 2229-3027, volume-10, issue 9)

### Department of Applied Chemistry

1. Pankaj S. Shrivastava, Orchids alkaloids & their medicinal properties, International Seminar on Global Opportunities For Latest Developments in Chemistry And Technology (Gold-CT-2014), North Maharashtra University, Jalgaon (M.S.) 06 to 08 Feb 2014

### Department of Computer Applications

1. Akash Rajak, Temporal-Abstraction Database Mediators Based on Clinical Guidelines, 2009 IEEE International Advance Computing Conference (IACC 2009) Patiala, India, 2274-2279, 6-7 March 2009.
2. Rahul Shukla, Significant Interval Discovery in Web Log Data International Conference - TRACE-2010, BU
3. Uday Pratap Singh, Comparison of Different Colour Spaces and its Applications, International Conference on Concurrent Techno and Enviro Search and Research Youth Congress 2010, Vol.1 pp. 16 -20.
4. Ravindra Kumar Singh, "Traffic aware LSP selection method in MPLS Networks". Information Processing and Management Communications in Computer and Information Science Volume 70, 2010, pp 455-457. Print ISBN 978-3-642-12213-2 Online ISBN 978-3-642-12214-9 Series ISSN 865-0929, Springer Berlin Heidelberg, April 2010 Link [http://link.springer.com/chapter/10.1007%2F978-3-642-12214-9\\_77?LI=true](http://link.springer.com/chapter/10.1007%2F978-3-642-12214-9_77?LI=true)

5. Purushottam Sharma, Temporal Weighted Association Rule Mining for Classification, ICCSIT 2011 , June 10 - 12, 2011 in Chengdu, China.
6. Sanjai Baipai , Enhancing Embedding Capacity Using Robust Algorithm In Digital Coloured Images, In Proceedings Of The International Conferences On Global Innovations In Sciences And Management – 2013 Sagar, 27-28 February 2013.
7. Akash Rajak, Modeling the Effect of Meal on Blood Glucose Concentration Using Clinical Temporal Mediator, IEEE-International Conference on Machine Intelligent and research advancement (ICMIRA), 2013, 208-212, DOI 10.1109/ICMIRA.2013.46

### Department of Electronics & Instrumentation Engineering

1. An Improved and Efficient Thresholding Scheme for Subband Signals in ECG Data Compression, Proc. of Int. conf. on communications, networking and signal processing, VIT University, Vellore, 19-21 Sept. 2013. Ashutosh Datar, Shilpa Datar and Alok Jain.
2. A Multilevel Shrinkage Approach for Curvelet Denoising, Int. Conf. on Information and Multimedia Technology (ICIMT 2009), Jeju Island, South Korea, pp. 268-272, 18-19 Dec. 2009. Preety D. Swami, Alok Jain.
3. Performance of Blackman Window Family in M-channel Cosine Modulated Filter Banks for ECG Signals, Int. Conf. on Multimedia, Signal Processing and Communication Technologies (IMPACT-2009), AMU, Aligarh, India, 14-15 March, 2009. Ashutosh Datar, Alok Jain, P.C. Sharma.
4. A Multilevel Shrinkage Approach for Curvelet Denoising, International Conference on Information and Multimedia Technology, ICIMT, Jeju Island, S. Korea, Dec. 18-19, 2009.
5. Modified Cubic Threshold Denoising Technique using Curvelet Transform, International Conference on Information Technology, ICIT, Amman, Jordan, Jun. 3-5, 2009.
6. Preety D Swami and Alok Jain, “Adaptive Fusion based Hybrid Denoising Method for Texture Images”, Springer Proc. of Second International Conference on Advances in Computing and Information Technology (ACITY), Chennai, India, vol. 2, pp. 699-707, July 13 - 15, 2012.

7. Preety D Swami, Alok Jain and D. K. Swami, "Region Classification Based Image Denoising Using Shearlet and Wavelet Transforms", Third International Conference on Signal and Image Processing, Zurich, Switzerland, Jan. 2-4, 2014, pp. 241-248. DOI : 10.5121/csit.2014.4122.
8. An Improved and Efficient Thresholding Scheme for Subband Signals in ECG Data Compression," Ashutosh Datar, Shilpa Datar and Alok Jain, Proceedings of the International Conference on Communications, Networking and Signal Processing (ICCNASP-2013), VIT University, Vellore, India. 19-21, September 2013.pp: 197-199.
9. Performance evaluation of high SLFOR fixed windows in ECG signal compression using optimized Cosine modulated filterbank," Shilpa Datar, Ashutosh Datar, and Alok Jain, Proceedings of the International Conference on Innovative trends in Electronics Communication and Applications' 13 (ICIECA 2013), 27-29 December 2013,ASDF,Pondicherry,India,pp:128-135.
10. Manish Yadav, Dr. A.K Wadhvani Dr. Sulochana Wadhawani "Principal Component Analysis Based Multichannel ECG Leads Selection and Morphological Features Extraction", *International Conference on Biomedical Engineering and Assistive Technologies*, BEATS 2012, Organized by NIT Jalandhar , 6- 7, Dec 2012, in Jalandhar India

### Department of Mechanical Engineering

1. Chandra Pal Singh, Sanjay Katarey, Ashish Manoria "Emerging Trends in Renewable Resources in India", Proceedings of International Conference on Advances in Energy Engineering at IIT BHU pp 97-105 ISBN: 9789382880448, 2013.
2. Chandra Pal Singh, Geeta Agnihotri "Simulation and Modeling of Deep Drawing Process using Finite Element Method" proceedings of 1st International Conference on Mechanical Engineerin: Emerging Trends for Sustainability organized at MANIT Bhopal pp 101- 108 ISBN:9789383083459, 2014

Department of Electronics and Communication Engineering

- [1] Role of Transforms in Genomic Data Analysis, Int. Conf. on Advances in Pure and Applied Mathematics (ICAPAM-2014), 07-09 March, 2014, JLN Govt. College, Haripur, Manali, S.D.Sharma, Rajiv Saxena, S.N.Sharma.
- [2] N.Mehra, M. Shandilya, S. Pachauri, "Attacks resistant hybrid watermarking scheme," Computing, Communications and Networking Technologies (ICCCNT),2013 Fourth IEEE International Conference on , pp.1-5, 4-6 July 2013 doi: 10.1109/ICCCNT.2013.6726779.
- [3] Rahul Shrivastava\*, Abhishek Rawat, Yogendra Kumar Jain, R.N. Yadav, S.C. Shrivastava, "Neural Modeling Of Smart Antenna Array Using Radial Basis Function for Beam Shipping of GSM Transmitter" Ninth IEEE International Conference.
- [4] N. Mehra & M. Shandilya, " Dual Watermarking scheme for secure Buyer –Seller Watermarking protocol," Proc. SPIE 8334, Fourth International Conference on Digital Image Processing (ICDIP 2012), 83342U (May 1, 2012); doi:10.1117/12.956459
- [5] Abhishek Rawat, R.N. Yadav, S.C.Shrivastava "Beamwidth Prediction of DPA Smart Antenna Using Support Vector Machine" 5th Indian International Conference on Artificial Intelligence (IICAI-11), Tumkur, India, Dec. 14-16, 2011. ISBN: 978-0-9727412-8-6.
- [6] Evaluation of mapping schemes for exon detection in DNA sequences, proc. of IEEE conference ICCET 2011, (IEEE-Explorer), S.D. Sharma, D.K. Shakya, Dr. S.N. Sharma, 18-19, March 2011,
- [7] A simple algorithm for gene prediction with improved noise suppression, 10th IEEE, International Conference on Signal Processing, Beijing, China, 24-28, October, 2010, D.K.Shakya, Rajiv saxena, and S.N.Sharma.
- [8] Design of FIR Filters with Better Performance Using Z-Window, IEEE-2011 International Conference on Communications, Computing and Control Applications(ICCCA'11), March 3-5, 2011, Hammamet, Tunisia, Rahul Pachauri, S.N. Sharma, Rajiv Saxena.

Department of Information Technology

1.	Shailendra Shrivastava Et al. Image Preprocessing for Grey Level Reproduction by
----	--

	optimal partitioning algorithm International Conference on RF and Signal Processing System 2010
2.	Shailendra Shrivastava Et al. Secure mobile network routing protocol using PSR IEEE International Conference on Computational Intelligence and Communication Networks CICN-2010, 26-28 Nov.2010
3.	Shailendra Shrivastava Et al. Clustering of image Data set using K- Means & Juzzy K-Means Algorithm IEEE International Conference on Computational Intelligence and Communication Networks CICN-2010, 26-28 Nov.2010
4.	<a href="#">Deepti Sisodia</a> <a href="#">Shailendra Kumar Shrivastava</a> R.C. Jain ISVM for face recognition International Conference on Computational Intelligence and Communication Networks
5.	Pavan Kumar Gupta, Shailendra Shrivastava Improved RST-attacks resilient image watermarking based on joint SVD-DCT International Conference on Computer and Communication Technology (ICCT), 2010
6.	Anil Kumar Yadav Shailendra Kumar Shrivastava Evaluation of reinforcement learning techniques Proceedings of the First International Conference on Intelligent Interactive Technologies and Multimedia Pages 88-92
7.	Varsha Sahu Ajay Kumar Goyal Content Aware Dark Image Enhancement Using Fast Fourier Transform published in the IEEE International Conference on Advances in Engineering and Technologies, Aug 1 -26, 2014.
8.	Upasna Saxena, Ajay Goyal Content Based Image Classification using PSO-SVM in Fuzzy topological Space” Fourth International Conference on computer & communication technology, NIIT Allahabad, India, Paper no. 146, on 21 September, 2013, Sponsored by IEEE and Technically Co-Sponsored by IEEE Computer Society.
9.	Kratika Sharma, Ajay Kumar Goyal, Very High Resolution Image Registration Based on Two Step Harris-Laplace Detector and SIFT Descriptor published in the Fourth IEEE International Conference on Computing, Communication and Networking Technologies, July 4 - 6, 2013.
10.	Kratika Sharma, Ajay Kumar Goyal, Classification Based Survey of Image Registration Methods” published in the Fourth IEEE International Conference on Computing, Communication and Networking Technologies, July 4 - 6, 2013.
11.	Pooja Tomer, Ajay Kumar Goyal, Text String detection Using Ant Clustering In Natural Scenes”, published in the Fourth IEEE International Conference on Computing, Communication and Networking Technologies, July 4 - 6, 2013.
12.	.Pranita Jain, .R.K.Pateriya, .R.P.Singh Improving The Detection Rate of Intrusion Detection System using Soft Computin International Conference on Information system and Software Engineering, 2009 (ICISSE'09) on 28-30 dec at 2009 Chennai

13.	Pranita Jain, Sachin Chirgaiya Ontology Based Multi Keyword Web Crawler for Semantic Web International conference on Conference on Electronics Computer Technology (ICECT 2012) April 6-8 2012, in Kanyakumari,
14.	Pranita Jain, AnkitaTiwari Extraction of name aliases from web log data using sequential IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED COMPUTING & COMMUNICATION TECHNOLOGIES, PANIPAT (ICACCT 2013), ISBN:978-93-83083-38-1,November 2013
15.	Pranita Jain, Vivek Sharma ,Ratnesh Sthaphak Hybrid approach of User request prediction ”IEEE conference on soft computing techniques for engineering &Technology,Nanital, Aug 2014
16.	Abhishek Mathur , Divaker Singh “Route Optimization and on demand traffic management for Ad-hoc Networks” “TRACE” Feb. 25-26,2010
17.	Abhishek Mathur Divaker Singh “Prevention of Routing Attacks through security models in MANET” RTSCIT 09-10 Jan 2010.
18.	Abhishek Mathur , Divaker Singh “A Simulation Study of Different Routing Protocol for MANET” International Conference on Emerging Trends in Engineering and technology Oct.14-16,2010
19.	Abhishek Mathur, Divaker Singh Security Models for Routing Attacks in MANET” International Conference on Advances in communication, Embedded System and Computing, Jan 14-15,2011
20.	Abhishek Mathur, Divaker Singh “Prevention of Routing Attacks through security models in MANET” ICOST 2011
21.	Abhishek Mathur Rishi Rai “Min-Max Energy and Load Aware Based Routing For Heterogeneous Devices in MANET” International Conference on Advanced computing & communication technologies ,IEEE Delhi on 16 Nov 2013.
22.	Shaila Chugh and Bhavna Sharma Energy Efficient Load Balancing Approach to Improve AOMDV routing in MANET The Fifth International Conference on Computational Intelligence and Communication Networks (CICN 2013) Sponsored by IEEE and Technically Co-Sponsored by IEEE Computer Society.
23.	Satyendra Rathore, Shaila Chugh Generalized Enhance Adaptive Fuzzy K-Mean Clustering Algorithm for Image Segmentation IEEE-ICACCT panipat, November 2013,pp.647-654
24.	Dipak Mishra ,Shaila Chugh Face Detection using Genetic based SIFT algorithm IEEE-ICGCE 2013

25.	Madhvi Sharma, Shaila Chugh Advanced Fast Nearest Neighbor Search with Keywords Over Spatial Database IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014), August 01-02, 2014, Virendra Swarup Group of Institutions, Unnao, India
26.	Vernita Khare, Shaila Chugh An Efficient Adaptive Median Filtering Approach for the Removal of Impulse Noise IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014), August 01-02, 2014, Dr. Virendra Swarup Group of Institutions, Unnao, India
27.	Shrishti Jain, Sandeep Raghuwanshi, Behavioral and Node Performance Based Gray hole attack Detection and Amputation in AODV Protocol IEEE International Conference on Advances in Engineering & Technology Research ICAETR-2014 1-2 August 2014
28.	Ashish Sahu, Sandeep Raghuwanshi, Fuzzy Based Intrusion Detection System Against a False Misbehavior Report in MANET IEEE International Conference on Control Instrumentation Communication and Computational Technologies ICCICCT-2014 10-11 July 2014
29.	Vishwash Bagwaiya, Sandeep Raghuwanshi, Hybrid Approach Using Throttled and ECSE Load Balancing Algorithm in Cloud Computing IEEE International Conference on Green Computing Communication and Electrical Engineering ICGCCEE-14 7-8 March 2014
30.	Vinod Mahor, Sandeep Raghuwanshi, Taguchi Loss Function based Measurement of Mobile Ad hoc Network Parameter Under AODV Routing Protocol IEEE International Conference on Computing Communication and Networking Technologies ICCCNT-2013 July 04-06 2013
31.	Sheetal Sisodiya, Sandeep Raghuwanshi, Performance Evaluation of a Table Driven and On-Demand Routing Protocol in Energy Constraint MANETs 2013 International Conference on Computer Communication and Informatics (ICCCI -2013), Jan. 04 – 06 2013
32.	Sandeep Raghuwanshi, R K Pateriya, and R. P. Singh, A New Protocol Model for Verification of Payment Order Information Integrity in online E payment International Conference on Computer Information system and Industrial Management Application 9-11 Dec 2009
33.	Sandeep Raghuwanshi, R K Pateriya and R. P. Singh, Credit Based E payment System and Informal Value Transfer – A Comparative Study International Joint Conference on Information and Communication Technology (IJCICT-2010) 9-10 Jan 2010
34.	Vismay Jain Secure Wireless Sensor Network Using Key Management Scheme International Conference on Computer Applications ICCA. PP 27 – 30, Dec 2010.
35.	Bhavna Sharma, Shaila Chugh, Vismay Jain Energy Efficient Load Balancing Approach to Improve AOMDV International Conference on Computational Intelligence and Communication Networks 2013.



36.	Anushree Jain , Vismay Jain PNG Image Copyright Protection & Authentication Using SVD Hash & AES IEEE International Conference on Advances in Engineering & Technology Research 2014.
37.	Sonam Jadiya , Ajay Goyal , Vismay Jain Independent Histogram Equalization Using Optimal Threshold for Contrast Enhancement & Brightness Preservation International Conference on Computer & Communication Technology 2013.
38.	Shivani Dubey, Shailendra Shrivastava, Vismay Jain Image Compression via Modified TiBS Algorithm to Achieve High Compression Rate International Conference on Computational Intelligence and Information Technology 2013.
39.	Amit Gupta ,Deepak Sain Speckle noise reduction using Logarithmic Threshold Contourlet International Conference on Green Computing, Communication and Conservation of Energy (ICGCE 2013) Chennai, India 12-14 December 2013
40.	SonuYadav, Deepak Sain An efficient technique for finding semantic similarity and their frequency between words Green Computing, Communication and Conservation of Energy (ICGCE), 2013 International Conference on
41.	Rishi Rai, Deepak Sain Min Max Energy and Load Aware Based Routing in Manet IEEE ICACCT conference nov 2013 in Panipath Haryana
42.	Robin Singh Bhadoria , Deepak Sain Data Mining Techniques for Personalizing users Profiles on Web In International Conference New Millenium Challenges ICON 2011 ajay kumar garg university ghaziabad in Ghaziabad
43.	Rita Dangi R.C Jain ,Vivek Sharma Combined Neural Network Approach for Mining Order Preserving Submatrices from Repeated Datasets IEEE conference on Advance in Engineering &Technology Research in august 2014 at Unnao Kanpur.
44.	Ankita Hundet R.C Jain ,Vivek Sharma Block Based Compressive Sensing Algorithm using Eigen vectors for Image Compression IEEE conference on Advance in Engineering &Technology Research in august 2014 at Unnao Kanpur
45.	Nirmal Gaud Architecture for discovery of context aware web services based on privacy IEEE International Conference 2012, GLA, Mathura, UP.
46.	Nirmal Gaud Architecture and Algorithms for context aware web services selection and discovery based on privacy preferences. ICECIT International Conference 2012, Anantpur, Karnatka
47.	Amit Kumar Manjhvar Weighted order representation to improve web navigation method for mining association rules International conference on computing ICC 2010

## National Conference

### Department of Applied Physics

1. Upconversion Luminescence and  $^4S_{3/2}$  of  $Er^{3+}$  decay measurement of Oxyfluoride tellurite Glass Creamics Ghizal F. Ansari , S.K. Mahajan and J.Parashar *National conference on Luminescence and its applications (NCLA- 2014)* Rani Durgavati University Jabalpur ,page 185 , 7-9 Feb 2014
2. Alteration in blood dynamics of rat's after exposure to UV C radiation (254 nm), Jain Ravi, Sharique A Ali , Proceeding of National conference on Trends and challenges in Applied Science and Engineering. Samrat Ashok Technological Institute, Vidisha, MP, P180-182, 23-24 January 2014.
3. Green fluorescence Decay of  $Yb^{3+}$ - $Er^{3+}$  doped Oxyfluoride tellurite glass under 488nm excitation Ghizal F. Ansari , S.K. Mahajan and J.Parashar, Proceeding of the National conference on Trends and Challenges in Applied Science & Engineering,23-24 Jan 2014, SATI, Vidisha(M.P.) 183-184 ( 2014)
4. Coronal Holes and their Effect on Cosmic Ray Intensity Variation Mukesh Jothe, Brajesh Choudhary, Mahendra Singh, Mahendra Mehar, Shirish Persai, Amita Jain, Uma Pandey National Seminar on Innovations in Science and Technology for Inclusive Development Vigyan Bhavan MPCST, Bhopal ,page No.96, ( 26-27 Mar-2014),
5. Effect of Coronal Mass Ejection on Cosmic Rays Intensity and Geomagnetic Indices for the period of 1999-2012, Amita jain, Pankaj Kumar Shrivastava, M. Singh, Mukesh Jothe, International conference on Interdisciplinary Research in Engineering, Management, Pharmacy and Science Sagar Group of Institutions, Bhopal ,Page No. 83, (20-23Feb 2014)
6. Relationship between Cosmic Ray intensity and Geomagnetic Activity during Solar Cycle 22 to 23 ,Devendra Kumar Bajpai, Pankaj Kumar Shrivastava, Anil Kumar Saxena, Amita JainNational Seminar on Solar Plasma Processes and Cosmic Ray Modulation Madhav Sadashiv Rao Govalkar College,Rewa , Page No. 99 ( 8-9Feb 2014)
7. Effect of Coronal Mass Ejection on Cosmic Rays Intensity and Geomagnetic Indices for the period of 1999-2012Amita jain, Pankaj Kumar Shrivastava, M. Singh, Mukesh Jothe, National conference on Trends and Challenges in Science and Engineering Samrat Ashok Technological Institute, Vidisha (23-24 Jan 2014)

8. Terahertz radiation generation by nonlinear mixing of surface plasma wave , J. Parashar , Ekta Mishra and S.K. Mahajan , Topical Conference on Laser Driven Charged Particle Acceleration and Application, IIT Delhi , April 5-7( 2013)
9. CMEs Related Short Term Cosmic Ray Decreases and their Relation with X-class Solar Flare and Disturbances in Solar Wind Plasma Parameters, Dr .P. L. Verma, Yuvraj Patil. G. N. Shrivastava, Devendra K. Bajpai, Amita Jain National Seminar on Cosmic Ray Modulation in Inner Heliosphere Govt. Model science College, Rewa (M.P.) page No.11 (9-10 Feb 2013)
10. Full Halo Coronal Mass Ejections and Cosmic Ray Intensity Variation Mukesh Jothe, Mahendra Singh, Amita Jain, Brajesh Choudhary National Conference on Emerging Trends in Basic Sciences Samrat Ashok Technological Institute, Vidisha(M.P.) page no.88 (23-24 Dec 2011)
11. Upconversion and Near-infrared Emission in  $\text{Er}^{3+}$  doped Oxyfluoride Tellurite glass under 808nm Laser excitation , Ghizal Ansari and S.K. Mahajan ,Proceeding of National Conference on Emerging Trends in Basic Sciences, Sponsored by MPCOST Bhopal , at SATI Vidisha , Dec 23-24, page 100-101,(2011)
12. Upconversion of  $\text{Er}^{3+}$  - $\text{Yb}^{3+}$  ions doped Lithium Tungsten Tellurite Glasses by 800nm excitation , Ghizal F. Ansari. S.K.Mahajan, *National conference on Luminescence and its applications (NCLA- 2011)* Pt. Ravishankar Shukla University Raipur page151, 7-9 Feb 2011
13. Photoluminescence and upconversion of  $\text{Er}^{3+}$  - $\text{Yb}^{3+}$  ions doped Lithium Tungsten Tellurite Glasses, Ghizal F. Ansari., S.K.Mahajan & J.Parashar , *Proceeding of National conference on Luminescence and its applications (NCLA- 2009)* Central Glass& Ceramic Research Institute Kolkatta,pp42-44, 19-21Feb 2009
14. Intense visible upconversion in erbium ions doped lithium tungsten tellurite glasses, Ghizal F. Ansari and S.K.Mahajan *Proceeding of National Laser Symposium (NSL-08)* at LASTEC (DRDO Lab), Delhi 07-10 Jan 2009

## **Dr.R.C.Jain, Director**

1. R.C. Jain & Sonam Gupta “Digital Renovation of Art work by Gratitude and Enclamation of Crecks in digitized pictures” Fourth National Conference on digital conference (NNCDC, Apr 2010).
2. R.C.Jain, Vineet Richhariya, R.K.Pandey “ Classification using similarity measures for real world Data Mining” National conference on Recent Trends in Distributed Intellgent systems and security Advancements held at L.N.C.T. Bhopal on 26-27 March, 2010.
3. R.C. Jain, D.K. Swami, Vivek Sharma “Priority Based Synthesis Scheme for Recovery of Missing Parts of Vedio Sequence” UGC Sponsored National Conference on Impact of IT on Society, Emerging Trends & Issues.
4. R.C. Jain, M.Motwani, A Hemlata “Approcah of Image Segmentation for the extraction of face from visual Images” National Conference on Data Engineering & Intelligence Systems held on 07-08 March 2008.
5. R.C. Jain, M.Motwani, A Hemlata “Image Segmentation for Extracting Human Frontal Face” Bharatiya Vigyan Sammelan 2009 on 1-3 Dec. Indore.
6. R.C. Jain, Varsha Sharma, Sanjeev Sharma “A Review of Classification Methods for Network Instruction Detection” National Conference on Recent Trends & Challenges in Internet Tech. Bhopal.
7. R.C. Jain, Pradeep Chouksey, R.S. Thakur “Mining Cross Sequential Patterns Through Duo-Ap priori Approach” National Conference on Advanced Pattern Mining and Multimedia Computing (APMMC-2010) National Institute of Technology, Tiruchirapalli.
8. R.C. Jain, Pradeep Chouksey, R.S. Thakur “Bottom up Apriori Algorithm using Conjunctive Pattern sets” National Conference on Advanced Pattern Mining and Multimedia Computing (APMMC-2010) National Institute of Technology, Tiruchirapalli.
9. R.C. Jain, Setu K. Chaturvedi, D.K. Swami “Feature Extraction based Approach for web Document summarization” CSI National Conference on Education & Reseach, J.P. Institute & Engg & Tech, Guna 2010.
10. R.C. Jain, Divakar Singh, Varsha Namdeo, Anju Singh “ Building Data Ware Housing of Educational Institution using OLAP Cube writer” National Conference on Advanciments in Tech. Industry held at LNCT Bhopal, May 2009.
11. R.C. Jain, Divakar Singh, Varsha Namdeo, Anju Singh “Result Analysis by Decision Tree and Naïve Baysian Network Classifier” National Conference on Recent Developments in Applicable Mathematics & IT at JPIET, Guna 2009.
12. R.C. Jain, Divakar Singh, Varsha Namdeo, Anju Singh “Result Analysis by Decision tree and Multilayer Perception “National conference on Advanced Pattern Mining and Multimedia Computing at NIT, Trichy, 2010.
13. R.C. Jain, Divakar Singh, Anju Singh, Pratyoosh Rai “A Comprative Study of Algorithms for Rule hiding” National Conference, NIT, Trichy Oct. 2009.

14. R.C. Jain, Divakar Singh, Anju Singh, Pratyoosh Rai “Stock Movement Prediction using Neural Network modeling” National Conference, JPIET Guna, Dec. 2009.
15. R.C. Jain, Anju Singh, Vaishal Sen “Study of Classifiers for face Recognition” National Conference, JPIET Guna, Dec. 2009.
16. R.C. Jain, Anju Singh, Vaishal Sen “Face Recognition using Biliner Interpolation and Histogram Equalization” Recent Trends in Soft Computing and IT, Bhopal, Jan 2010.
17. R.C. Jain, Divakar Singh, Anju Singh, Varsha Namdeo “Result Analysis by Decision Tree and Decision Table Classifier” IEEE National Conference on SEIS-09, Acropolis Institute of Tech & Research, Indore.
18. R.C. Jain, Divakar Singh, Rahul Sharma, Amuresh Saxena “ Secured Private P2P System” National Level Seminar and Scope College of Engineering Dec. 2007.
19. R.C. Jain, Shailendra Shrivastava, Ritu Prasad “Automatic Extraction of Salient Object using EDA features “Computer Vision & IT Advance and Application, IEEE Conference, Bombay Section.
20. R.C. Jain, Shailendra Shrivastava, Babita Ujjaniya “Review of Algorithms for Web Prefectching and Coaching “Recent Trends & Challengers in Internet Technology (RTCIT 2010) Proceedings pp 134-138.
21. R.C. Jain, Shailendra Shrivastava, J.L. Rana, Lucky Sharma “Web Based Secure SOA “Recent Trends & Challengers in Internet Technology (RTCIT 2010) Proceedings pp 172-176.
22. R.C. Jain, Yogeshree D. Choudhary “Effervescent Materialize view Based on clustering” International Conference on Trends and Advances in Computation and Engineering, Barkarullaha University, Bhopal 25-26 Feb 2010.
23. R.C. Jain, Yogeshree D. Choudhary “Dynamic Materialized view Based on Clustering” National Conference on Engineering Trends in Electronic Engineering and Computing, J.D> College of Engg. Nagpur, 4-10 Feb 2010.
24. R.C. Jain, Yogeshree D. Choudhary “A Novell Clustering Based Approach using Dynamic Materialized view of query performance & Maintenance, National level Symposium, KDKCE, Nandanana Nagpur, 18<sup>th</sup> Feb. 2010.
25. R.C. Jain, Jitendra Agarwal “A Noval Approached for Association Rule Mining board on Signature Methods| Lublished in IInd Bhartiya Vigyan Sammalan 2009, Indore.
26. R.C.Jain and Anju Singh “A Survey of Image & Video Frames by Segmentation Method” Proceedings of National Conference on Emerging Technologies in Electronics and Computer Engineering NCET-2009, pp117-121, 24-24 Jan. 2009, MIT, India.
27. R.C.Jain and Anju Singh “Priority Based Syntheses Scheme for Recovery of Missing Parts of video Sequence” Proceeding of UGC sponsored National Conference on Impact of IT on Society- Emerging Trends & Issues, Feb 28,2009 at DAVV Indore.
28. R.C.JAIN, Arpana Shrivastava “ Multilevel Association Rules: Application in Various Areas” Published in proceeding of Emerging Technologies in Computer Sc. (ETCS-2009), at MIET Meerut, 18-19 Sept 2009, pp 1-4.

29. R.C.JAIN, Arpana Shrivastava “Finding Interesting Measures using Multilevel Association Rules in Large Transactional Databases for preferred Domain” published in proceeding of National Conference on Advance Pattern Mining and Multimedia Computing at National Institute of Technology, Trichy. 25-26 Feb. 2010, pp 33-36.

### Bio Medical Engineering Department

- [1] Shilpa Datar, Yogendra K. Jain, and Ashutosh Datar, Deblurring and Restoration of Images using Iterative Wiener Nat. conf. on Emerging trends in Engineering and Sciences (NC2010), SATI (Engg.) Vidisha M.P. Nov 27-29, 2010.
- [2] Yogesh Rathore , Shubha Jain , Ashutosh Datar, Human Chromosomes Classification Based on Artificial Neural Network, National Conference on Emerging trend in basic science, SATI (Engg) Vidisha (M.P.) 23-24 December, 2011.
- [3] Vidhi Rawat , Alok Jain, Vibhakar Shrimali, “Noise removal analysis of ultrasound images” National conference on emerging trends in Engg. And Sciences, SATI, Vidisha ,27-29, Nov., 2010.
- [4] Vidhi Rawat , Alok Jain, Vibhakar Shrimali , “Investigation and assessment of disorder of 2-Dimensional ultrasound biomedical images” National conference on Cellular and molecular medicine, RGPV, Bhopal, 4-6, Feb., 2010.

### Applied Chemistry Department

1	Impact of Paper effluent in and around Vidisha a case study, Neeta Dixit R.N.Shukla National Seminar on Environment Protection & waste management <i>Govt. P.G. Science College BINA (Sagar) on 2009.</i>
2	Determination of Enalapril Maleate Using Methyl Orange, Pankaj Sharma & R. N. Shukla, National Seminar on Role of Chemistry for Improvement in quality of human life, chemQHL2012 at <i>Ujjain Engineering college Ujjain on 17 &amp;18 March 2012.</i>
3	Synthesis of Copper Nanoparticles influence of the synthesis conditions on the particle size, Huda khan R.N.Shukla, National Seminar on Role of Chemistry for Improvement in quality of human life, chemQHL2012 at <i>Ujjain Engineering college Ujjain on 17 &amp;18 March 2012.</i>
4	Combustion Characteristics & fuel properties of <i>Lantana Camara</i> & <i>Prosopis</i> , UpendraBahuguna, NinalThapliyal, & R.N.Shukla National Seminar on Role of Chemistry for Improvement in quality of human life, chemQHL2012 at <i>Ujjain Engineering college Ujjain on 17 &amp;18 March 2012.</i>
5	The role of Biotechnology in The Conservation Of Agriculture Land, Subia Mansuri & R.N. Shukla National Seminar of UGC at <i>Govt Girls College Vidisha on 21 &amp;-22. Dec 2011</i>
6	Benchmarking Protocol for Manufacturing Industry - Pulp- Paper (Environment), S.Maheshwari , R.N.Shukla, National Seminar on Green Chemistry for Environment & Human Health (NSGCEHH-2012) at <i>S.A.T.I. Vidisha on 17&amp;18November 2012.</i>
7	Effect of Pyrolysis Parameter on <i>leucaenaleucocephala</i> wood and Effect of its Biochar on the Fertility of soil, M.Sharma and R.N.Shukla, National Seminar on Green Chemistry for Environment & Human Health (NSGCEHH-2012) at <i>S.A.T.I. Vidisha on 17&amp;18November 2012.</i>
8	Study of combination of Amlodipine with other cardiac drugs: stability comparison of its mutual salt and combined drug substances, P.Sharma and R.N.Shukla, National Seminar on Green Chemistry for Environment & Human Health (NSGCEHH-2012) at <i>S.A.T.I. Vidisha on 17&amp;18November 2012.</i>
9	Pradeep Sharma, Kiran Kushwaha, Isolation of Terpenoid from tridax procumbens and its impact on antimicrobial activity. conference on emerging trends in basic sciences, Sponsored by M.P.C.S.T. Bhopal organized by S.A.T.I. Vidisha date:23-24 Dec. 2011
10	Pradeep Sharma, Namrta Singh, Farheen Siddiqui & Kiran Kushwah, Phytochemical Screening and Antibacterial Activity of Euphorbia Hirta Plant Sponsored by M.P.C.S.T. Bhopal organized by S.A.T.I. Vidisha date:23-24 Dec. 2011,
11	Bgargava N, Chourasiya R, Sanas P, Sharma P.K., Jain Ravi Publication on "Verification on purity of antimicrobial additives benzoic acid and sodium benzoate using physicochemical analysis National conference

	on recent developments in Biotechnology and their allied applications. March 15- 16 2012 sponsored by UGC New Delhi. Organized by Department of Biotechnology SAIFIA College Bhopal
12	Fareen Siddiqui, Pradeep K. Sharma Phytochemical Analysis and wound healing activity of Adhatoda Vesica National Seminar Organized by SATI Sponsored by MPCOST 17-18 Nov. 2012
13	Shubhra Mishra, P.K.Sharma Using clay catalyst as pollution prevention tool in Green Chemistry National Seminar Organized by SATI Sponsored by MPCOST 17-18 Nov. 2012
14	Mishra Shubhra Medhashri, P.K. Sharma, How To Get Rid of Harmful Gases From Car Engines By Using Platinum as Catalytic Converter National seminar Organized by Deptt. Chemistry Career College Sponsored by UGC (CRO)19-20 Jan 2013
15	Pankaj S. Shrivastava, Kailash Niranjana, Swati Dubey Design of ecofriendly Caprolactum Production using one step catalyst, National Seminar on “ Green Chemistry for environment & Human health” organized by Deptt. Of Applied Chemistry SATI, Vidisha & Sponsored by MPCST, Bhopal on 17-18 Nov. 2012

### Humanities Department

1.	Dr. Manorama Saini, “Micro Finance –A Macro Business Opportunity for Rural Development” IV Annual Conference of Chhattisgarh Economic Association, Raipur(C.G.) 04 <sup>th</sup> -05 <sup>th</sup> February 2010
2.	Dr. Manorama Saini, Dr. Veena Datar “Agrarian Distress and Measures” International Congress of Environmental Research (ICER 2010), University of Mauritius, Reunion, Mauritius 16 <sup>th</sup> -18 <sup>th</sup> Sept.2010
3	Dr. Veena Datar , Dr. Manorama Saini “ Training of employees :a vital tool for organization effectiveness” National Seminar on Emerging Trends in Engineering and Sciences, org. by Samrat Ashok Technological Institute (Engg. College), Vidisha (M.P.), 27 <sup>th</sup> -29 <sup>th</sup> Nov.2010
4	Dr. Manorama Saini, Dr. Veena Datar, “ Development of Human Resources in the Organisation” National Seminar on Emerging Trends in Engineering and Sciences, org. by Samrat Ashok Technological Institute( Engg. College) Vidisha (M.P.) 27 <sup>th</sup> -29 <sup>th</sup> Nov.2010
5	Dr. Manorama Saini, Dr.Sonia Rajpoot “Financial Sources of Small and Medium Enterprises” National Seminar on Entrepreneurship Development in Emerging Economies, org. by Shodh Anusandhan Samachar (a monthly journal) & Chitransh A.D.P.G. College, Bhopal (M.P.) 29 <sup>th</sup> Nov.2010



67	Dr. Manorama Saini, Dr.Sonia Rajpoot Paper published “The Importance of Services for Securing Customer Loyalty Asset Liability Management in Bank” International Conference at Bansal Institute of Technology, Bhopal(M.P.), 18 <sup>th</sup> -19 <sup>th</sup> February 2011.
7	Dr. Manorama Saini, Dr. Veena Datar, Dr. Bhasha Shukla “Environmental Sustainability through Education” National Seminar on Water & Environment at Govt. M.V.M., Bhopal (M.P.) March 12-13, 2011
8	Dr. Manorama Saini, Dr.Sonia Rajpoot Paper presented “Public-Private Participation in Madhya Pradesh Economy XXII Conference of Madhya Pradesh Economic Association, Ujjain. 25 <sup>th</sup> -26 <sup>th</sup> Feb. 2011.
9	Dr. Manorama Saini, Participated National workshop on “Labour Migration in Chhattisgarh state: Problem and Suggestions” Deptt. of Geography, C. M. D. P. G. College Bilaspur (C. G.) 25 <sup>th</sup> -26 <sup>th</sup> Feb. 2012.
10	Veena Datar, Manorama Saini and Manoj Datar “Importance of Environmental Management” National Seminar on Emerging Trends in Basic Sciences at S.A.T.I.(Engg. college), Vidisha (M.P.) Dec. 23-24, 2011.
11	Veena Datar, Arti Patel and Manorama Saini “Environmental Management” National Seminar on “Advances in Waste Water Treatment and Reuse” at SATI (Degree) Vidisha(M.P.). September 27-28, 2013.

### Electronics & Instrumentation Engineering Department

1. Subband Adaptive Image Denoising using Curvelets, 3<sup>rd</sup> CSI National Conference on Education and Research, JIET, Raghogarh, Guna, India, 6-7 March, 2010. Preety D. Swami, Alok Jain.
2. Subband Adaptive Image Denoising using Curvelets, National Conference on Education and Research, JIET, Raghogarh, Guna, Mar. 6-7, 2010.
3. Spatial Segmentation based Combined Wavelet and Curvelet Approach for Image Denoising”, National Conference on *Emerging Technological Trends*, organized by VNS Institute of Technology, Bhopal, Mar. 19-20, 2010.
4. Deblurring and Restoration of Images using Iterative Wiener Filter”, Shilpa Datar, Yogendra K. Jain, and Ashutosh Datar, Nat. conf. on Emerging trends in Engineering and Sciences (NC2010), SATI (Engg.) Vidisha M.P.

5. Manish Yadav “Bearing Fault analysis and Identification in Induction Motor Using Neural Network”, AICTE Sponsored National Conference on CAEE-RT-11 organized by Dept. of Electrical Engineering, Madhav Institute of Technology & Science (MITS) Gwalior in 16-17-Dec-2011.

### Mechanical Engineering Department

- 1) Pankaj Agarwal, Hemant Jain, Richa Thakur, *Value Engineering of Micro-Manufacturing using ECM and its application*, International Conference on Recent Advances in Engineering, Technology and Management , (SPICON 2012) 31 May- 02 June 2012 at Sardar Patel College of Engineering, Andheri (WEST) Mumbai-400058.
- 2) S.K. Dhakad, Dr.S.C. Soni, Dr.Pankaj Agarwal, “The improve the energetic yield of high temperature fuel cell (MCFC) using advance techniques in modeling and optimization analysis: published International National Conference on Emerging Trends, Technology and Research (ICETTR-2013), 21-22 Sept 2013, at Nagpur Maharashtra, India.
- 3) S.K. Dhakad, Dr.S.C. Soni, Dr.Pankaj Agarwal, Simulation and modeling Analysis of down draft gasifire fast internally circulating fluidise bed (FICFB) published in National conference on Recent Trends in Mechanical & Production Engineering (RTMPE-2013), 20-21December 2013, at Samrat Ashok Technological Institute Vidisha M.P.p.p.122-127.
- 4) S.K. Dhakad, Dr.S.C. Soni, Dr.Pankaj Agarwal,”*Opportunities and challenges for High temperature Fuel cells power generation in India* published International National Conference on Emerging Trends in renewable Energy(ICETRE-2013), 27-28, December-2013,at C.V Raman College of Engineering , Bhubaneswar India
- 5) Ashish Manoria, P.L.Verma, Sandip Kumar Mishra”A New Approach of Assembly Line Balancing using RankPositional Weight Method coded in C++”2011International Conference on Industrial Engineering (ICIE 2011) Organized by Department of Mechanical Engineering, S.V. National Institute of Technology, Surat In Association with Indian Institution of Industrial Engineering (IIIE),NHQ-Mumbai.
- 6) Ashish Manoria , Sandip Kumar Mishra “Reducing the Workstations by balancing the assembly line through KIIbridge Wester Method (KWM) for Type-1 probleme for

MCV: Case study at Eicher Motors Ltd. 2013 3<sup>rd</sup>. International conference on Production and Industrial Engineering (CPIE 2013) held at Dr. B R Ambedkar National Institute of Technology Jalandhar (India) from March 29 -31,2013.

- 7) Ashish Manoria , Sandip Kumar Mishra & Sanjay Jain”Balancing The Assembly Line (Optimize the Smoothness Index) by Rank Positional Weight Method For Type 1 Problem: Case Study at Eicher Motors Ltd. (MCV)2013 International conference on Advances in Mechanical Engineering (ICAME) Organized as a part of centenary celebrations of Department of Mechanical Engineering, College of Engineering, Pune (India) from 29<sup>th</sup>. May to 31<sup>st</sup>. May, 2013.
- 8) Ashish Manoria, Sandip Kumar Mishra and Sanjay Jain “Optimize the Line Efficiency by Balancing the Assembly Line through Rank Positional Weight Method (RPW) for Type -1 Problem for Medium Commercial Vehicle: Case Study” at Eicher Motors Ltd 2013International Conference on Smart Technologies for Mechanical Engineering, (STME-2013) organized by Department of Mechanical and Production Engineering , Delhi Technological University, Delhi from 25 & 26 October,2013.
- 9) Ashish Manoria, Sandip Kumar Mishra “Optimize The Smoothness Index In Assembly Line Balancing Through Kilbridge Wester Method for Type One Problem for Medium Commercial Vehicle: A Case Study at Eicher Motors Limited, Indore (M.P.) “2<sup>nd</sup>. International Conference on Industrial Engineering (ICIE-2013) organized by Department of Mechanical Engineering, S V National Institute of Technology , Surat from November 20-22, 2013.
- 10) Lokesh Bajpai, Ashish Manoria, Sandeep Mishra “Optimize the Workstations by Balancing the Assembly Line through Rank Positional Weight Method (RPW) for Type -1 Problem for Medium Commercial Vehicle: Case Study at Eicher Motors Ltd”2nd International Conference on Intelligent Robotics, Automation and Manufacturing (IRAM 2013) organized by Department of Mechanical Engineering, IIT Indore from 16 to 18 December, 2013.

### Department of Management Studies

1. G.R.Chetty, “Retail Finance” National conference at SIRT, Bhopal, 30<sup>th</sup> Jan 2009.

2. G.R.Chetty, "Sectoral Recovery after Impact of Economic Recession in Tourism Industry, Banking, IT and Reality" National Conference at Shree Institute of Science & Technology, Bhopal, 20-21 Aug 2010.
3. G.R.Chetty, "Role of Six sigma in mentoring company employees", NC on Emerging trends in Management Practices, at Tolani Institute of Management Studies during 4-5<sup>th</sup> Dec 2010.
4. G.R.Chetty, "Consumer Behaviour in India- A Study", International conference on Strategies for building successful business organizations in the contemporary scenario, at TIT-MBA, Bhopal, 22<sup>nd</sup> -23<sup>rd</sup> June, 2012.
5. Prashant Tiwari, Growth & performance of MSMEs , Int. conference on strategies for building successful business org. in the contemporary scenario , TIT,Bhopal , June 22-23,2012.
6. Prashant Tiwari, Int. conference on Management of IT. & infrastructure for flexibility & competitiveness, GLOGIFT-05 , RGPV,Bhopal.
7. Prashant Tiwari, Sectoral recovery after impact of economic recession in tourism industry, SIST,Bhopal , proceeding pg no-14 , august 20-21,2010.
8. Prashant Tiwari, Knowlwdge Mgt in Public sector, SATI, national conference on Recent trends in Information system & management , december16-17,2006 , pg no-305-308.
9. Sachin Jain "Corporate social responsibility" National conference at Maharana Pratap college of Mgmt. Bhopal, 16-17june2012.
10. Sachin Jain "Knowledge Management" National Conference at S.A.T.I Vidisha Dec 16-17, 2006.
11. Sachin Jain "Global & National Scenario of Economic Situations" National Seminar on " Strategies for Investment Driven Economy in India Context" held on 21 Dec.2013 at Indian Institution of Industrial Engineering Bhopal(M.P.)
12. Soniya Rajput "The Emerging Importance of Financial Services in Private sector" in the National Seminar sponsored by UGC in Vidisha (2009).

13. Soniya Rajput “The Retail Financing Business in India” presented in the National convention (Sagar manthan) at Sagar Institute of Research and Technology, Department of Management, Bhopal(2009).
14. Soniya Rajput National Convention (VICHAR) on “Sectoral Recovery After Impact of Economic Recession in Tourism Industry, Banking ,IT and Realty” and “Economic Recession Causes and Consequences” at Shree Institute of Science & Technology, Bhopal (2010).
15. Soniya Rajput “Financial Sources for small and medium Enterprises” presented at the National Seminar organized at the Chitransh A.D.P.G. College Bhopal (29 Nov.2010).
16. Soniya Rajput “The Emerging Trends in Engineering and Sciences” presented at the National Seminar organized at the Samrat Ashok Technological Institute (Engineering College), Vidisha (2010).
17. Soniya Rajput “Management of Financial Crisis” A Paper, accepted and presented at the National Conference on Management organized by the Tolani Institute of Management Studies Gujarat, (2010).
18. Soniya Rajput, “Public-Private Participation in Madhya Pradesh Economy” published in the Proceeding of XXII M.P. Economic Association Annual Conference organized by the Vikram University, Ujjain (25-26 February, 2011).
19. Soniya Rajput, “Role of Cross Functional Areas in Management Education” and published in the Proceedings of the AICTE Sponsored National Seminar on “Management education in 21<sup>st</sup> Century: the Experience of First Decade”. The Seminar was organized at Omkara Nanda Institute of Management and Technology, Rishikesh (11-12 February 2012)
20. Soniya Rajput, “Hindi Bhasha aur uska Bhavishya” presented in the UGC & Management Deptt. Sponsored National Seminar (29<sup>th</sup> February 2012)

21. Soniya Rajput, “Role of Banks & Financial Institutions in Promoting Financial Inclusion” presented in the AICTE Sponsored National Seminar on “ Financial Inclusion and Cycle of Poverty” at Neelkanth Institute of Technology, Meerut 17<sup>th</sup> March 2012.
22. Soniya Rajput, “Empowering Women through Higher Education” presented on Feb. 1 & 2, 2013 at Vidisha in the National seminar sponsored by the Higher Education Department, Government of Madhya Pradesh, Bhopal (M.P.)
23. Soniya Rajput, “Global & National Scenario of Economic Situations” National Seminar on “ Strategies for Investment Driven Economy in India Context” held on 21 Dec.2013 at Indian Institution of Industrial Engineering Bhopal(M.P.)
24. Soniya Rajput, “Rural Youth Empowerment “Rural Entrepreneurship” ” National Conference on “Innovative Trends in Youth Empowerment” 10-11 January, 2014, Sponsored by University Grants Commission, Bhopal at Vidya Bhawan Rural Institute Udaipur (Rajasthan).
25. Soniya Rajput, “Small Scale Industrial Sickness in India”, accepted for Poster presentation in ICER-10 at Reduit, Mauritius on September 16-18, 2010 for 3<sup>rd</sup> International Congress of Environmental Research and published in the Special Conference Edition ICER-10 ,JERAD (Journal of Environmental Research And Development)Ref. No. ICER/ SS I/513/P (2010).
26. Soniya Rajput, “The Retail Financing Business Opportunity in India”, accepted for Poster presentation in ICER-10 at Reduit , Mauritius on September 16-18, 2010 at the 3<sup>rd</sup> International Congress of Environmental Research and published in the Special Conference Edition ICER-10, JERAD (Journal of Environmental Research And Development) “Ref. No. ICER/SS II/159/P/10 (2010).
27. Soniya Rajput, “Assets Liabilities Management in Banks” published in the Proceeding of International Seminar at Bansal Institute of Technology, Bhopal (18-19 February2010).
28. Soniya Rajput, “Growth and Performance of Micro, Small and Medium Enterprises (MSMEs)” Paper International conference at TIT MBA Bhopal (June 2012)
29. Soniya Rajput, “Performance Appraisal is the Key to High Performance” presented at the International Conference on Recent Trends in Applied Sciences with Engineering Applications between 26<sup>th</sup> to 28<sup>th</sup> April, 2013.

30. Soniya Rajput, “Job opportunities and new skills acquisition” presented at the International Conference on India Becoming World leader By 2020 Need & Strategies a Management Perspective at VNS Bhopal 9<sup>th</sup> & 10<sup>th</sup> January 2014.
31. Soniya Rajput, “Rural Youth Empowerment “Rural Entrepreneurship” ” National Conference on “Innovative Trends in Youth Empowerment” 10-11 January, 2014, Sponsored by University Grants Commission, Bhopal at Vidya Bhawan Rural Institute Udaipur (Rajasthan)

### Department of Electronics and Communication Engineering

- [1] Classification of Exons and Introns by Time-Frequency Analysis using Neural Network, Proceeding of National Conference on Advances in Mathematics & its Applications, 25-27 June, 2013, NIT, Hamirpur, H.P., India, Saurabh Yadav, S.N. Sharma, D.K.Shakya
- [2] Abhishek Jain & Dr. Ashutosh Datar, “A Performance Evaluation of 3D-SPIHT & WDR Techniques for Video Compression” in proc. of RTMIS-2013, April 2013, pp. 187-192.

### Department of Applied Mathematics

1. “A New Integral with the product of I-Function, Bessel, s Function and general class of polynomials” Tuteja Reema, Shailesh Jaloree and Anil Goyal, publication in International Journal of Mathematical science & Engineering Applications (IJMESA).
2. “Fractional Integration and Fractional Differentiation of the product of M-series and H-function, communicated to FCAA#221.”, Tuteja Reema, Shailesh Jaloree and Anil Goyal .
3. “Fourier Series for I-function of two variables”, Giriraj Singh, Shailesh Jaloree and Anil Goyal, National conference of emerging Trends in Engineering and Sciences, SATI, Vidisha, NC 2010.
4. “Application of the I-function of two variables on Conduction of heat in a Solid Cylinder with Source”, Giriraj Singh, Shailesh Jaloree and Anil Goyal , National Conference on Emerging Trends in Basic Science,p.77-80,SATI,Vidisha,Dec.2011.
5. “Cloud Computing-the 5<sup>th</sup> Generation of Computing”, Shailesh Jaloree,sushil Kumar Verma , Sachin Kamley , published in Journal of Computer and Information Technology Bhopal.VOL-2,No-2,August 2011.

6. "A Study on Call Admission Control Mechanisms for Wireless Communication Network", Shailesh Jaloree, Sushil Kumar Verma, Sachin Kamley, Published in Journal of Computer and Mathematical Science Bhopal (ISSN 0976-5727), VOL-2 issue 3, 30 June 2011.
7. "A Study of the Application of Data Mining Techniques in Higher Education", Sushil Kumar Verma, Dr. Shailesh Jaloree, Dr. R.S. Thakur, published in International Conference on Computer Science and Information Technology (ICCSIT-2012) Bhopal of Interscience Research Network in 2012.
8. "Application of Data Mining technique in Stock Market: an Analysis", Sachin Kamley, Dr. Shailesh Jaloree, Dr. R.S. Thakur, published in International Conference on Computer Science and Information Technology (ICCSIT-2012) Bhopal of Interscience Research Network in 2012.
9. "Result Analysis by Decision Tree, Decision Table and RBF Network", Shailesh Jaloree, Bharat Lodhi, Varsha Namdeo, published in Journal of Computer and Information Technology Bhopal, VOL-2, NO.-2, pages 435-443, August 2011.
10. "Comparing Weak Slot-Filler Structure of Knowledge Representation", Shailesh Jaloree, Bharat Lodhi, Varsha Namdeo, Journal of Computer and Mathematical Science Bhopal 2011.
11. "Correlation Analysis for Measuring Interestingness of Patterns", Bharat Lodhi, Shailesh Jaloree, Shailendra Singh, in National Conference on Recent Trends in Data Mining and Data Warehousing (RTD MW-2013), pp. 25, 2013.
12. "Linear Regression Approach for Predicting the Stock Market Trends Based on Open and Close Price of the Month", Sachin Kamley, Shailesh Jaloree, R.S. Thakur, Proceedings of 1<sup>st</sup> International Conference on Emerging Trends and Applications in Computer Science, 13-14, Sept, 2013, IEEE Technically sponsored ICETACS, 2013, Published by IEEE Conference Publications
13. "Multiple Regression: A Data Mining Approach for Predicting the Stock Market Trends Based on Open Close and High Price of the Month", International Journal of Computer Science Engineering and Information Technology Research (IJCEITR) ISSN (print): 2249-7943, Vol-3 Issue(4) Oct-2013. Impact factor (JCC) 6.3925, ICV-2013:2.4.
14. "A Study of students Academic Performance Using Decision Tree", Shailesh Jaloree, Sanjeev Gour, SATI national conference.
15. "M-Dimensional Rules in Accident Datasets", Bharat Singh Lodhi, Shailesh Jaloree, Shailendra Singh, Journal of Computer and Mathematical Science, VOL. 4(5), pp. 340-344, 2013.



16. "Frequent Pattern Mining: Method ,Research and Challenges" , Bharat Singh Lodhi ,Shailesh Jaloree, Shailendra singh , in proc. International conference on Intelligent Computing and Information System (ICICIS-2012), pp. 94-96 , 2012.
17. "Pattern mining and rule Optimization using GA based approach", Bharat Singh Lodhi ,Shailesh Jaloree, Shailendra singh , in National Conference on Emerging Trends in Computational Science , MANIT , Bhopal ,March 2013 , pp.-55.
18. "Performance analysis of Stock Market Behavior using BPN Architecture", Sachin Kamley, Shailesh Jaloree, R.S.Thakur, Published in International Conference on Intelligent Computational and Informative Systems“, (ICICIS-2014), 2-4, Oct, 2014, Goa, India, pp 14-16.
19. "Overview of Methodologies and Languages for knowledge representation using Ontologies", Ram Kumar, Shailesh Jaloree, R.S.Thakur, Published in International Conference on Intelligent Computational and Informative Systems“, (ICICIS-2014), 2-4, Oct, 2014, Goa, India, pp 163-165.

### Department of Computer Science and Engineering

1.	Wavelet Transform Based Data Perturbation Method for Privacy Protection, In Proceedings of Second IEEE International Conference on Emerging Trend in Engineering & technology (ICETET 2009), pp. 294-297, December 16-18, 2009
2.	Behavior Analysis of Malicious Node in the Different Routing Algorithms in Mobile Ad Hoc Network (MANET), In Proceedings of IEEE International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2009, pp. 621-623, 28-29 Dec. 2009
3.	An Efficient Approach on Content Base Image Retrieval Using Radial Basis Function of Neural Network, In Proceedings of International Conference on Machine Learning and Computing (ICMLC 2010) Bangalore, India, pp. 182-186, 12-13 February 2010.
4.	Restoration of Motion blurred images using Iterative Wiener Filter, In Proceedings of International Conference On RF & Signal Processing 2010, K L University, Guntur, Vijaywada, pp. 55-60, 7-9 January 2010,,
5.	Secure Mobile Adhoc Network in Bluetooth Environment, In Proceedings of International Conference on Information Science and Applications ICISA 2010, Chennai India, pp. 11-13, 6 Feb. 2010.
6.	A High Capacitive and Confidentiality Based Image Steganography Using Private Stego-Key, In Proceedings of International Conference on Information Science and Applications ICISA 2010, Chennai India, pp. 1-5, Feb. 2010.
7.	Off-Line Signature Verification Based on Geometric Centre Matching, In Proceedings of International Conference on Computational Intelligence Applications ICCIA2010, pp.

	34-39, 03-05 March 2010,
8.	A Performance Based Search Engine Technique for Web Mining, In Proceedings of International Conference on Computer Applications, Database Systems, ICCA '10, pp. 15-21, Dec 2010.
9.	An Application based Secure Network Against Malicious Rogue System Threats, In Proceedings of International Conference on Computer Applications, Networking, ICCA '10, pp. 49-54, Dec 2010.
10.	"Design and Implementation of Secure Network System Using Windows Environment", In Proceedings of International Conference on Computer Applications, Networking, ICCA '10, pp. 115-120, Dec 2010.
11.	Classification-based Retrieval Methods to Enhance Information Discovery on the Web, In Proceedings of International Conference on Computer Applications, Database Systems, ICCA '10, pp. 41-56, Dec 2010.
12.	Parameter Based Comparison of Three Reactive Algorithms, IEEE International Conference on Communication and Computational Intelligence (INCOCCI 2010), pp. 301-305, 27-29 Dec. 2010.
13.	Using Checkpoints with Reduced Plan Diagrams for SQL Query Optimization, In Proceedings of International Conference On Emerging Trends In Mathematics And Computer Applications - 2010 (ICETMCA'10), at MEPCO SCHLENK Engineering College, Sivakasi (Tamilnadu) India, pp. 411-414, Dec. 16-18, 2010.
14.	Search Engine Technique Using New Ranking Algorithm for Web Mining, 2nd International Conference on Advances in Communication, Network, and Computing (CNC 2011, February 23-24, 2011, Bangalore, India.
15.	Designing and developing E-Learning Solutions: Study on Moodle 2.0, 3rd IEEE International Conference on Machine Learning and Computing, ICMLC 2011, pp. V5-156- V5-160, 26th - 28th Feb. 2011 at Singapore.
16.	An Efficient Smart Card Based Remote User Authentication Scheme Using Hash Function, IEEE Students Conference On Electrical, Electronics And Computer Science (SCEECS), pp. 1-4, 1-2 March 2012
17.	A Comparative analysis of JAVA based computation and comparison method (JBCCM) and class inheritance and interface using coupling measures, 4th International Conference on Electronics Computer Technology (ICECT), at Kanyakumari, India, Vi Institute of Technology, Chennai and Marthandam college of Engineering and Technology, and technically co-sponsored by IETE Trivandrum-Nagercoil PAC and IEEE, April 6-8 2012.
18.	Performance Analysis of Machine Learning Algorithm for Intrusion Detection, International Conf. on Recent Trends in Computer Science and Engineering (ICRTCSE - 2012), Apollo Engineering College, Kanchipuram, TamilNadu, 3-4 May 2012.
19.	Skin Cancer Detection And Classification Using Wavelet Transform and Probabilistic Neural Network, ARTCOM2012.

20.	Neural Modelling Of Smart Antenna Array Using Radial Basis Function for Beam Shipping of GSM Transmitter, 9th IEEE International Conference on Wireless and Optical Communications Networks (WOCN), pp. 1-5, 20-22 Sept. 2012.
21.	The ERP and its implementing methods, National conference on recent trends in mechanical engineering RTME-09, pp. 77, March 2009.
22.	Making Iris Recognition Easier, More Reliable And Spoof Resistant, 3rd National Conference On Emerging Trends In Software Engineering & Information Technology, pp. 23, March 2009.
23.	A Digital image watermarking scheme using authentication key for copyright protection and privacy tracing based on quantization of wavelet Coefficient, Accepted for publication in II IETE National conference on Communication, Computation, Control & Automation, 23rd -24th April 2010 at Coimbatore Tamilnadu.
24.	A User Dependant Page Ranking algorithm, Accepted for publication in National Conference on Artificial Intelligence and its Applications to Engineering and Technology at TIT Camus on June15-16, 2012.
25.	“Performance analysis of Data mining for fraud detection” in third IT national conference organized at PIMR Indore on 12-13 Sep 2008.
26.	Paper An Exhaustive analysis of techniques for improving efficiency and removing anomalies in firewall rules" in International conference on Advances in Computing (ICAC2008) on Feb 21-22, 2008.
27.	Paper Discovery and removal of anomalies in firewall rules and reducing their size by group merging using JDBC" in International conference on Advances in Computing (ICAC2008) on Feb 21-22, 2008.
28.	Paper Analysis and comparison of TCP congestion control algorithms " in International Conference on Advanced Computing & Communication Technologies for High Performance Applications organized at FISAT Angamali, Cochin, Kerala on 24 - 26 Sep 2008.
29.	Paper Proposing an efficient method for frequent pattern mining" in International conference on computational & statistical sciences (ICCSS) organized at Bangkok, Thailand on 17-19 Dec 2008. ISSN : 2070-3724.
30.	Paper Network System of Detection with Incomplete Audit Data" in International Conference on Computer Applications ICCA-2010 on Dec 24-27, 2010.
31	Alok Sahelay, Ramratan Ahirwal, Y. K. Jain “Timer based location management to improve hit ratio in cellular network using cache memory” ICIET 2012: 14-15 January 2012, Mumbai, India 2010-3689
32	Swarn Sanjay Sonwanshi, Ramratan Ahirwal, Yogendra kumar Jain “An Efficient Smart card Based Remote User Authentication Scheme using Hash Function” IEEE Students’ Conference on Electrical, Electronics and Computer Science, 20375

33	Ganesh Lokhande Ramratan Ahirwal “Efficient Congestion Control Algorithm for TCP Throughput Improvement in Wired/Wireless Networks” ICCSE2012: 19 May, Nagpur India. 102043
34	Leeladhar Mahour, Ramratan Ahirwal “Behaviour of DDoS Attack and Prevention Scheme in Wireless Mobile Ad-hoc Network Using Intrusion Detection system” ICSIT2012: 03 June, Dehradun India. 102043
35	Ajay Kumar Goyal, Diwakar Singh ,Satish Pawar “Cellular Automaton Based Digital Image Watermarking ”, 1st International Conference on Advances in Computing, Chikhli, India, 21-22 February 2008
36	Text mining: As ultimate & decisive-star Technique in data mining. E-Trendz2011 National conference on latest Trends and Innovations in computing, Electronics &communication, AISECT university, Bhopal
37	Outlined sketching-view: the Construction of Data Warehouse, E-Trendz2011 National conference on latest Trends and Innovations in computing, Electronics &communication, AISECT university, Bhopal

## Department of Information Technology

1.	RatneshStaphak , Vivek Sharma\A Survey on User Request Prediction Web Usage Mining IEEE sponsored Sponsored National Conference on Energy Power And Intelligent Control Systems (EPICS 2014)
2.	Vivek Sharma &\Amit Kumar\Weather Forecasting Analysis Using Fuzzy Time Series National All India Seminar on Information Security,DeenbandhuChhotu Ram University of Science & Technology, Murthal, Sonapat in association with The Institution of Engineers (India) in February 2013
3.	Vivek Sharma &\Amit Kumar\Analysis of Various Weather Forecasting Techniques Based Upon The Factors Affecting the Weather Conditions National 17th Annual conference of Gwalior Academy Conference & National Symposium on Computational Mathematics & Information Technology JUET, Guna, December 2012
4.	RiteshRanjan & Vivek Sharma Survey of Green Computing National ”, 17th Annual conference of Gwalior Academy Conference & National Symposium on Computational Mathematics & Information Technology JUET, Guna, December 2012
5.	Shailendra Kumar Shrivastava ,Vinod Kumar Deharia Clustering Techniques : A brief Survey of Different Clustering algorithms National Conference on Recent Innovative in engineering and Technology ,2008,pp 199.
6.	Preeti Jain, Shailendra Kumar Shrivastava Improvement of the False Positive in Intrusion Detection System using Rough Set Theory and Incremental SVM National Seminar on NW Security
7.	PoojaTomer Ajay Kumar Goyal A Survey of Text String Detection From Natural Scenes RITS Bhopal(M.P.) WWNSI-2013
8.	Ajay Kumar Goyal, Diwakar Singh, Bankruptcy prediction using Genetic Algorithm and Cellular Automaton ,JIETGuna, Dec-2009.
9.	Satyendra Rathore, Shaila Chugh A Survey of Image Segmentation through Clustering” NCRTCCN, Bhopal, August 2013, pp.345-350.
10.	Vishwash Bagwaiya, Sandeep Raghuwanshi, A Survey of Load balancing in Cloud Computing National Conference On Energy Power and Intelligent Control System EPIC 3014 28-29 March 2014
11.	Sheetal Sisodiya, Sandeep Raghuwanshi, Comprehensive Analysis of Energy Management Schemes in MANETs National Conference on Soft Computing 24 – 25 August 2012 and Security [RTSCS-2012]

## Department of Computer Applications

1. Akash Rajak, “Achieving Realistic and Interactive Clinical Simulation Using Case Based TheraSim’s Therapy Engine Dynamically,” National Conference on Advance Pattern Mining and Multimedia Computing, National Institute of Technology, Trichy, pp. 624-628, Feb. 2010.
2. Geetali Banerji, An Algorithm for Rule Based Classification, National Conference on Emerging Trends in Information Technology, New Delhi, 2011, Kunal Publications, pp. 85-99
3. Sanjai Baipai, Security and maintenance of data: Challenges and Issues, in proceedings of the national conference on advancement in computational techniques,ACT-2013, Bhopal, 17<sup>th</sup> August 2013

## DEPARTMENT OF CHEMICAL ENGINEERING

1.	Manoj Datar, Ravviraj Shah, Neha Soni and Rakesh Shrivastava, Mesophase Development of Coaltar pitch National Conference on emerging trends in Engineering and sciences at S.A.T.I. (Deg), Vidisha Nov. 27-29, 2010.
2.	M. Datar Water Scarcity in India National Seminar on Water & Environment at Govt. M.V.M., Bhopal March 12-13, 2011.
3.	Manoj Datar Neha Soni, Raviraj Shah and R. Shrivastava Effect of Heat Treatment Temperature on Mesophase Development in Coal Tar Pitch National Conference on Carbon Materials at B.A.R.C., Mumbai Nov. 1 to 3, 2012.
4.	M. Datar and Ankit Kadam. Solid Waste Managment National Seminar on Computer assisted Drug Designing & Green Chemistry at Career College, Bhopal (M.P.) 19-20 January, 2013.

## Department of Electrical Engineering

1	Ranjana Chouhan & S.P.Phulambrikar, National Conference on emerging trends in Electrical & electronics Engineering 25,269.2009 JIT Khargaon (M.P.)
2	Naresh Purohit, Borage M.B, Tiwari Sir, S.P.Phulambrikar, “Modified full bridge zero voltage switching DC to DC converter” International Conference on Electrical Power & Energy system organized by MANIT 9.2010.
3	Naresh Purohit, Borage M.B, Tiwari Sir, S.P.Phulambrikar, Design of AC to DC converter for high power application . National Conference on Advances in Electrical & Electronics Engineering (AEEE-2011) Swami Vivekanand College of Engineering, Indore (M.P)