

## Publications (2011-2012)

### School of Basic Sciences

#### Chemistry

#### Publication

1. Thakur, R., Mallick, A., Chakraborty, A. “Photophysical and Photodynamical Study of Fluoroquinolone Drug Molecule in Bile Salt Aggregates”, *Photochemistry and Photobiology*, **2012**, DOI: 10.1111/j.1751-1097.2012.01175.x.
2. Maity, I., Rasale, D. B., **Das, A. K.**, “Sonication Induced Peptide-appended Bolaamphiphile Hydrogels for in situ Generation and Catalytic Activity of Pt Nanoparticles”, *Soft Matter*, **2012**, 8, 5301-5308.
3. Maragani, R., Jadhav, T., Mobin, S. M., **Misra, R.** *Tetrahedron*, **2012**, DOI 10.1016/j.tet.2012.06.094.
4. Dhokale, B., Gautam, P., **Misra R.**, Donor–acceptor perylenediimide–ferrocene conjugates: synthesis, photophysical, and electrochemical properties, *Tetrahedron Letters*, **2012**, 53, 2352–2354.
5. Gautam, P., Dhokale, B., Shukla, V., Singh, C. P., Bindra, K. S., **Misra, R.**, *J. Photochem. Optical limiting performance of meso-tetraferrocenyl porphyrin and its metal derivatives*, *J. Photochem. Photobiol. A*, **2012**, 239, 24-27.
6. **Mathur, P.**, Jha, B., Raghuvanshi, A., Joshi, R. K., Shaikh, M. M., Photolytic Reaction of substituted (ethynyl) benzaldehyde and Fe(CO)<sub>5</sub>: Formation of indenone and chelated iron complexes, *J. Organomet. Chem.*, **2012**, 1, 7-14.
7. Dhayal, V., Chaudhary, A., Choudhary, B. L., Nagar, M., Bohra, R., Shaikh, M. M., **Mathur, P.**, “Synthesis and characterization of some single source molecular precursors for the preparation of homogenous zirconia-silica materials by hydrolytic sol-gel process in organic media. Crystal structures of [Zr{OSi(O<sup>t</sup>Bu)<sub>3</sub>}<sub>4</sub>(H<sub>2</sub>O)<sub>2</sub>].2H<sub>2</sub>O and [Ti(O<sup>t</sup>Bu){OSi(O<sup>t</sup>Bu)<sub>3</sub>}<sub>3</sub>”, *Dalton Trans.* **2012**, 41, 9439-9450
8. **Mathur, P.**, Joshi, R. K., Rai, D. K., Jha, B., Shaikh, M. M., “One pot synthesis of maleimide and hydantoin by Fe(CO)<sub>5</sub> catalyzed [2 + 2 + 1] co- cyclization of acetylene”, isocyanate and CO *Dalton Trans.* **2012**, 41, 5045-5054.
9. Kwizera, P., Angela, A., Wekesa, M., Uddin, M. J., and **Shaikh M. M.**, “Synthesis and Characterization of CdSe Quantum Dots by UV-Vis Spectroscopy”, *Macro to Nano Spectroscopy*, **2012**, Chapter 5.
10. **Shaikh, M. M.**, Mishra, V., Ram, P., Birla. A., “Bis[ (2-(2-hydroxyethyl)pyridine-κ<sup>2</sup>N O)]bis(pivato- κ O<sup>1</sup>) Copper (II), *Acta Cryst” Sec. E.*, **2012**, E68, m1055

11. Mathur, P., Rai, D. K., Tauqeer, M., Joshi, R. K., Lahiri, G. K., **Mobin, S. M.**, “Synthesis, structure and redox property of first 1,2,3-triselenole”, *J. Organomet Chem.*, **2012** (Under Revision).
12. Mathur, P., Jha, B., Raghuvanshi, A., Joshi, R. K., **Shaikh, M. M.**, “Photolytic reaction of substituted (ethynyl)benzaldehyde and Fe(CO)<sub>5</sub>: Formation of indenone and chelated iron complexes”, *J. of Organomet.Chem.*, **2012**, 712, 7-14.
13. Nair, D. K., **Shaikh, M. M.**, Namboothiri, N. N. I., “Synthesis of functionalized and fused furans and pyrans from the Morita-Baylis-Hillman acetates of nitroalkenes”, *Tetrahedron Lett.*, **2012**, 53(26), 3349-3352.
14. Mathur, P., Joshi, R. K., Rai, D. K., Jha, B., **Shaikh, M. M.** “One pot synthesis of maleimide and hydantoin by Fe(CO)<sub>5</sub> catalyzed [2 + 2 + 1] co- cyclization of acetylene, isocyanate and CO”, *Dalton Trans.* **2012**, 41, 5045-5054.
15. Shaikh, M. M., Srivastava, A. K., **Mathur P.**, Lahiri, G. K., “Varying structural motifs in oxyanions (NO<sub>3</sub><sup>-</sup>, CO<sub>3</sub><sup>2-</sup>) and phenoxyacetate (PhOAc<sup>-</sup>) bridged coordination polymers derived from alkoxo-bridged dicopper building blocks with {Cu<sub>2</sub>O<sub>2</sub>} core”, *RSC Advances*, **2011**, 1, 893-902.
16. Narayanan, V. K., Gopalan, R. S., Chakrabarty, D., Shaikh M. M., **Mathur, P.**, “Crystal Structure and Energy Optimization of Dichlorobis (ethylanthranilatonicotinamide)Zinc(II)”, *Journal of Chemical Crystallography*, **2011**, 41, 801-805.
17. Chaudhary, A., Dhayal, V., Nagar, M., Bohra, R., Shaikh M. M., **Mathur, P.**, “Chemically modified oximato complexes of titanium(IV) isopropoxide as new precursors for the sol-gel preparation of nano-sized titania: Crystal and molecular structure of [Ti{ONC<sub>10</sub>H<sub>16</sub>}<sub>4</sub>-2CH<sub>2</sub>Cl<sub>2</sub>]", *Polyhedron*, **2011**, 30, 821-831.
18. Torubaev, Y., **Mathur, P.**, Pasynskii, A., “Synthesis and molecular structure of [((CO)<sub>3</sub>RuBr<sub>2</sub>)<sub>2</sub>(μ-SePh)<sub>2</sub>Ru(CO)<sub>4</sub>] cluster with a Ru<sub>3</sub>Se<sub>2</sub> chain core”, *Journal of Organometallic Chemistry*, **2011**, 696, 832-834.
19. Torubaev, Y., **Mathur, P.**, Jha, B., Shaikh M. M., Skabitsky, I. V., “Cyclodimerization of phenyliodoacetylene with elemental tellurium: New pathway to 1.3-ditellurofulvenes”, *Journal of Organometallic Chemistry*, **2011**, 696, 496-503.

## CONFERENCE PRESENTATIONS

1. **Mathur, P.**; Shaikh, M. M. Coupling reaction of 1-ferrocenyl-4-phenyl-1,3-butadiyne and bis (trimethylsilylethynyl)ferrocene with iron pentacarbonyl Ji, R. S.; Abstracts of Papers, 241st ACS National Meeting & Exposition, Anaheim, CA, United States, March 27-31, 2011
2. Jha, B., **Mathur, P.**, Joshi, R. K., Shaikh, M. M., Distinguished role of iron pentacarbonyl toward the reaction of acetylenes and isocyanates under photochemical and thermal reaction conditions Abstracts of Papers, 243rd ACS National Meeting & Exposition, San Diego, CA, United States, March 25-March 29, 2012
3. Rai, D. K., Tauqeer, M., Shaikh, M. M., **Mathur, P.**, Reaction of 3-ferrocenylpropynal with iron carbonyl and chalcogenised iron carbonyl clusters: Formation of new ligands;  $[\text{Fe}(\text{CO})_3-\eta^4-(\text{FcC}_2\text{CHO})_2]$ ,  $[\text{Fe}(\text{CO})_2\{\eta^2:\eta^2-(\text{FcC}_2\text{CHO})_2\text{Fe}(\text{CO})_3-\mu-\text{CO}\}]$  and 1,2,3-triselenole Abstracts of Papers, 243rd ACS National Meeting & Exposition, San Diego, CA, United States, March 25-March 29, 2012

## MATHEMATICS

### PUBLICATION

1. Ahmad, S. S., Mehrmann. V., "Perturbation analysis for complex symmetric, skew symmetric, even, and odd matrix polynomials", Electronic Transactions on Numerical Analysis (ETNA), Vol. 38, pp. 275-302, 2011.

## PHYSICS

### PUBLICATIONS

1. **Sahoo, R.**, et al., "Probing the QGP phase boundary with Thermal Properties of Mesons", International Journal of Modern Physics A (2011)
2. **Sahoo, R.**, Behera, N. K., Nandi, B. K., Constituent Quarks and Multi-strange baryon production in heavy ion collisions, (Submitted to Phys. Rev. C)
3. **Jalan, S.**, Zhu, G., Li, B., Spectral Properties of Directed Random Networks with Modular Structure, Journal-ref: Physical Review E (2011)

## School of Engineering

### Electrical Engineering

#### PUBLICATIONS

1. Doria, R. D., Pavanello, M. A., Trevisoli, R. D., Souza, M. de., Lee, C. W., Ferain, I., Akhavan, N. D., Yan, R., Razavi, P., R. Yu, Kranti, A., Colinge, J. P., "Junctionless multiple-gate transistors for analog applications", *IEEE Trans. Electron Devices*, vol. 58, no. 8, pp. 2511 - 2519, 2011.
2. Sharma, D., Vishvakarma, S. K., " Analytical Modeling of 3D potential Distribution of a Rectangular Gate (RecG) Gate-All-around MOSFET in Subthreshold and Strong Inversion Regions " *Microelectronics Journal*, Elsevier, volume 43, issue 6, pp. 358-363, June 2012.
3. Mukherjee, S., Li, D., Bi, G., Ma, J., Gautam, A., Elizondo, S. L., Zhao, F., Yu, G., Weng, B., Shi, Z., "CaF<sub>2</sub> surface passivation of lead selenide grown on BaF<sub>2</sub>", *Journal of Microelectronic Engineering*, vol. 88, 2011, pp. 314-317.
4. Anbarasu, M., Wimmer, M., Bruns, G., Salinga, M., Wuttig, M., Nanosecond threshold switching of GeTe<sub>6</sub> cells and their potential as selector devices, *Appl. Phys. Lett.* 100 143505 (2012).
5. Pachori, R. B., Hewson, D., "Assessment of the effects of sensory perturbations using Fourier-Bessel expansion method for postural stability analysis", *Journal of Intelligent Systems*, vol. 20, issue 2, pp. 167-186, August 2011.
6. Pachori, R. B., Bajaj, V., "Analysis of normal and epileptic seizure EEG signals using empirical mode decomposition", *Computer Methods and Programs in Biomedicine*, 2011.
7. Pachori, R. B., Gadewadikar, J., Kuljaca, O., "Classification of EEG signals based on empirical mode decomposition and Bayesian network application", *Journal of the Mississippi Academy of Sciences*, vol. 56, no. 1, pp. 101, January 2011.

#### Conference Proceedings

1. Ghosh, D., Parihar, M. S., Armstrong, G. A., Kranti, A., "Low Power Nanoscale RF/Analog MOSFETs", Accepted, 2012 IEEE International Conference on Nanotechnology, 20-23 August 2012, Birmingham, UK.
2. Parihar, M.S., Ghosh, D., Armstrong, G.A., Yu, R., Razavi, P., Das, S., Ferain, I., Kranti, A., "Sensitivity Analysis of steep Subthreshold Slope (S-slope) in Junctionless Nanotransistors", Accepted, 2012 IEEE International Conference on Nanotechnology, 20-23 August 2012, Birmingham, UK.
3. Kushwah, C. B., Vishvakarma, S.K., "Ultra low power Sub-Threshold SRAM Cell Design to Improve Read Static Noise Margin " 16th International Symposium of VLSI Design and Test (VDAT)-2012, July 1st-4th, 2012, Bengal Engineering and Science University,

Shibpur, India.

4. Fjeldly, T.A., Monga, U., Vishvakarma, S.K., " Compact Unified modeling of Multigate MOSFETs based on Isomorphic modeling functions" 8th, IEEE, International Caribbean Conference on Devices, Circuits and Systems-2012 (ICCDACS-2012), March 14-17, 2012, Playa del Carmen, Mexico (Invited Paper).
5. Sharma, D., Vishvakarma, S.K., "Analytical Modeling of the Subthreshold Potential of Nanoscale GAA Rectangular Gate MOSFET", *International Workshop on Physics of Semiconductor Devices (IWPSD)*, Dec. 2011, IIT Kanpur, India.
6. Pandey, S. K., Verma, S., Pandey, S K., **Mukherjee, S.**, "Theoretical investigation of MgZnO/CdZnO/MgZnO double heterostructure bluish LED with improved internal quantum efficiency," proceedings of IEEE Xplore, 2012, *4<sup>th</sup> International Conference on Electronics Computer Technology (ICECT)*, Kanyakumari, India, April 6-8, 2012.
7. Pandey, S. K., Mukherjee, S., "High Performance from ZnO Multiple Quantum-Well Green Light Emitting Diode with Li-Doped CdZnO Active Region," IEEE NANO 2012 - 12th International Conference on Nanotechnology, August 20-23, 2012, International Convention Centre, Birmingham, UK.
8. Upadhyay, P. K., Prakriya, S., "Outage Performance of MIMO Two-Way AF Relaying with End-to-End Antenna Selection," to be presented at IEEE Sarnoff Symposium 2012, Newark, New Jersey, May 2012.
9. Kasbekar, G. S., Sarkar, S., "Pricing Games among Interconnected Microgrids", To appear in Proceedings of 2012 IEEE Power & Energy Society General Meeting, San Diego, CA, USA, July 22-26, 2012.
10. Kasbekar, G. S., Sarkar, S., "Spectrum Pricing Games with Arbitrary Bandwidth Availability Probabilities", in Proceedings of ISIT, St. Petersburg, Russia, July 31 August 5, 2011.
11. Bajaj, V., Pachori, R. B., "Application of the sample entropy for discrimination between seizure and seizure-free EEG signals", Proceedings 5th Indian International Conference on Artificial Intelligence, 14-16 December, 2011, Tumkur, India, Accepted for publication.
12. Jain, P., Pachori, R. B., "A new approach for glottal closure instants detection from speech signals", Proceedings 5th Indian International Conference on Artificial Intelligence, 14-16 December, 2011, Tumkur, India, Accepted for publication.
13. Pachori, R. B., Hewson, D., "Identification of time-varying effects of sensory perturbations for postural stability analysis", Proceedings 5th Indian International Conference on Artificial Intelligence, 14-16 December, 2011, Tumkur, India, Accepted for publication.

## **BOOK CHAPTERS**

1. Mukherjee, s., “ Photonic bandgap defect structure based on IV-VI semiconductor : Lasing cavity without cleaving “ In Light- Emitting Diodes and Optoelectronics : New Research, ed. Joshua T.Hall and Anton O. Koskinen. NOVA Publisher, 2012.
2. R.B.Pachori and P.Sircar,” Nonstationary Signal Analysis: Methods based on Fourier-Bessel Representation, LAP LAMBERT Academic Publishing, Saarbrucken, Germany, 2010, ISBN: 9783-8433-8807-8.

## ***Mechanical Engineering***

### **PUBLICATIONS:**

1. Misra, J. P., Jain, P. K., Jain, N. K., Singh, H., (2012), "Effects of Electrolyte Composition and Temperature on Precision Finishing of Spur Gears by Pulse Electrochemical Honing (PECH)" Int. J. Precision Technology, 3(1), 37-50. (DOI: 10.1504/12.45987)
2. Shandilya, P., Jain, P. K., Jain, N. K., (2012) "On Wire Breakage and Microstructure in WEDC of SiCp/6061 Aluminum Metal Matrix Composites", Int J. of Advanced Manufacturing Technology, 2012, (DOI: 10.1007/s00170-012-4095-2)
3. Shandilya, P., Jain, P. K., Jain, N. K., (2012) “Neural Network based Modeling in Wire Electric Discharge Machining of SiCp/6061 Aluminium Metal Matrix Composite”, Advanced Materials Research, Vol. 383-390, 6679-6683. (DOI:10.4028/www.scientific.net/AMR.383-390.6679)
4. Shandilya, P., Jain, P. K., Jain, N. K., (2012) Prediction of Surface Roughness during Wire Electrical Discharge Machining of SiCp/6061 Al MMC, Int. J. of Industrial and Systems Engineering, 12(3), 301-315.
5. Shandilya, P., Jain, P. K., Jain, N. K., (2011), Modelling and Analysis of Average Cutting Speed in WEDM of SiCp/6062 Al Metal Matrix Composite, Manufacturing Technology Today, 10 (4), 18-26.
6. Shandilya, P., Jain, P. K., Jain, N. K., (2011), Modeling and analysis of surface roughness in WEDC of SiCp/6061 Al MMC through response surface methodology, Int. J. of Engineering Science and Technology, 3(1) 531-535. (<http://www.ijest.info/issue.php?file=vol03issue01>)
7. Shandilya, P., Jain, P. K., Jain, N. K., (2011), "Experimental Studies on Wire Electric Discharge Cutting of SiCp/6061 Aluminium Metal Matrix Composites", Key Engineering Materials, 450 (2011), 173-176. (Publisher: Trans Tech Publications, Switzerland) (DOI: 10.4028/www.scientific.net/KEM.450.173)

8. Sahu, S. K., Das, P. K., Bhattacharyya, S., "An Experimental Investigation on the Quenching of a Hot Vertical Heater by Water Injection at High Flow Rate", Nuclear Engineering and Design, 240, pp. 1558-1568, 2010.
9. Sahu, S. K., Behera, P., An improved lumped model for transient heat conduction in different geometries, Computational Thermal Science 4 (2012) 39-48.
10. Sahu, S. K., Behera, P., "An improved lumped analysis for transient conduction in different geometries with heat generation", Comptes Rendus Mecanique 340 (2012) 477-484 .
11. Patil, N. D., Das, P. K., Bhattacharyya, S., Sahu, S.K., An experimental assessment of cooling of a 54-rod bundle by in-bundle injection, Nuclear Engineering and Design, 250 (2012)500-511
12. Kumar, E. A., M. Maiya M. P., Murthy, S. S., "Measurement and analysis of effective thermal conductivity of MmNi<sub>4.5</sub>Al<sub>0.5</sub> hydride bed". Industrial and Engineering chemistry research (2011).
13. Palani, I. A., Nakamura, D., Okazaki, K., Highasiata, M., Okada, T., Structural and optical properties of Sb Al co-doped ZnO nanowires synthesized using Nanoparticle Assisted Pulsed Laser Deposition (NAPLD) with Sb as catalyst, Journal of Alloys and Compounds, Volume 527, 25 June 2012, Pages 112-116.
14. Nakamura, D., Okazaki, K., Palani, I. A., Higashihata, M., Okada, T., " Influence of Sb on a Controlled-growth of aligned ZnO nanowires in nanoparticle- assisted pulsed-laser deposition" Appl Phys A, DOI 10.1007/s00339-011-6401-5 A (2011) 103:959–963.
15. Chandra, R., Takeuchi, H., Hasegawa, T., Kumar, R., "Improving biodegradability and biogas production of wheat straw substrates using sodium hydroxide and hydrothermal pretreatments." Energy, Volume 43, July 2012, Pages 273-282.

## **CONFERENCE PROCEEDINGS**

1. Pragya, S., Jain P. K., Jain N. K., (2012) "Parametric optimization during wire electric discharge machining of SiCp/6061 Al metal matrix composite using response surface methodology", International conference on modelling, optimization and computing" 10-11 April, 2012, Tamilnadu.
2. Pragya, S., Jain, P. K., Jain, N. K., (2011) "Surface Integrity Aspects After Wire Electric Discharge Machining of SiCp/6061 Al Metal Matrix Composites". International Conference on Advanced Materials and Manufacturing Processes

(ICAMP), IIT Kharagpur, 9-11 December, 2011, Kharagpur, India.

3. Shandilya, P., Jain, P. K., Jain, N. K., (2011), "Effect of machining parameters on MRR during wire electric discharge cutting of SiCp/6061 Al MMC", Annals of DAAAM for 2011 & Proceedings of the 21st International DAAAM Symposium Vienna, Austria, 23-26 November 2011, 745-746.
4. Pragma, S., Jain P. K., Jain N. K., (2011) "Artificial neural network kerf model in Wire Electric Discharge Machining of SiCp/6061 Al MMC". ASME International Mechanical Engineering Congress and Exposition, 11-17 November, Colorado, USA. (Accepted)
5. Pragma, S., Jain, P. K., Jain, N. K., (2011) "Neural network based modeling in wire electric discharge machining of SiCp/6061 Aluminum metal matrix composite". Proc. of International Conference on Manufacturing Science and Technology (ICMST), 16-18 September, 2011, Singapore.
6. Pragma, S., Jain, P. K., Jain, N. K., (2011) "Selection of optimum parameters in wire electric discharge cutting (WEDC) of SiCp/6061 Al MMC". Proc. of 5th International Conference on Advances in Mechanical Engineering (ICAME), SVNIT, 6-8 June, 2011, Surat, India, 666-670.
7. Pandya, Y., Parey, A., "Fault detection of a two-stage gearbox with artificially induced gear crack using vibration monitoring", 5th Indian International Conference on Artificial Intelligence, December 14-16, 2011, Tumkur, India.
8. Sahu. S. K., Kumar, C., Assessment of capability of theoretical correlations for prediction of pressure drop of fuel pins with grid spacers, 9th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, HEFAT 2012, Malta, 2012
9. Kumar, E, A., Sharma, V. K., "Thermal conductivity of metal hydride beds". 3rd International conference on advanced Materials, December 13-16, 2011, PSG College of Technology, Coimbatore, India.
10. Kumar, E, A., Sharma, V. K., "Characterisation of metal hydrides for hydrogen storage and metal hydride based engineering applications". International conference on Futuristic Trends in Materials & Energy Systems, December 29-30, 2011, VR Siddhartha Engineering College, Vijayawada, India.
11. Santhakumar, M., Kim, J., A Nonlinear Task space Tracking Control of an Underactuated Underwater Vehicle, The 9th International Conference on Ubiquitous Robots and Ambient Intelligence (URAI 2012), Daejeon, Republic of Korea, Nov, 2012 (to be presented).
12. Santhakumar, M., A nonlinear disturbance observer based adaptive control scheme for an underwater manipulator, International Conference on Intelligent Robotics, Automation and Manufacturing (IRAM 2012), Malaysia, Nov, 2012 (to be presented)
13. Santhakumar, M., Kim, J., Indirect adaptive control for autonomous underwater vehicle-



manipulator systems, The 22nd International Offshore (Ocean) and Polar Engineering (ISOPE 2012) Conference Rhodes, Greece, June 17 to 22, 2012.

14. Santhakumar, M., Kim, J., Power efficient trajectory tracking control of underactuated autonomous underwater vehicle-manipulator systems, IEEE / MTS OCEANS 2012, Yeosu, ROK, May 2012.
15. Dhinakaran, S., (2012). Heat transport from a spherical body to flowing nanofluids. IV Nacional Conference on Mechanics of Fluids, Thermodynamics and Energy, Lisbon, PORTUGAL, May 28- 29.
16. Palani, I. A., Nakamura, D., Okazaki, K., Shimogaki, T., Higashihata, M., Okada, T., Investigations on ZnO/ZnO:SB-Al co-doped homostructures with nanowires synthesized using nano particle assisted pulsed laser deposition (NAPLD). IITM-Japan Symposium on ZnO Nanocrystals and allied materials, January 9-10, 2012, IIT Madras, India.
17. Amutha, G., Palani, I. A., Vasa, N. J., Singaperumal, M., Okada, T., Investigations On Pico- Second Laser Based Annealing And Texturing of Amorphous Silicon Thin Films For Photovoltaic Applications. The 3rd Asian Symposium on Materials and processing, August 30-31, 2012, IIT madras, Chennai, India.

## **BOOK CHAPTERS**

1. Kumar, R., Stand Alone Liquid Desiccant Air-Conditioning Systems, LAP Lambert Academic Publishing, 2011.
2. Pragya, S., Jain, P. K., Jain, N. K. (2011). Wire Electric Discharge Machining of Metal Matrix Composite Materials, Chapter 30 in DAAAM International Scientific Book 2011, pp. 383-400, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-901509-84-1, ISSN 1726-9687, Vienna, Austria (DOI: 10.2507/daaam.scibook.2011.30)

## ***Computer Science and Engineering***

### **PUBLICATIONS**

1. Li, S., Tsang. I. W., Chaudhari, N. S., "Relevance Vector Machine based ensemble learning for Credit Risk Analysis," *Expert Systems with Applications* (ISI 5-year impact factor: 2.193), Vol. 39 (5), pp. 4947-4953 (2012).
2. Li, S., Tsang. I. W., Chaudhari, N. S., "Relevance Vector Machine based ensemble learning for Credit Risk Analysis", *Expert Systems with Applications* (ISI 5-year impact factor: 2.193), Vol. 39 (5), pp. 4947-4953 (2012).
3. Saxena, N., Chaudhari, N. S., "An Approach for SMS Security using

Authentication Functions”, *International Journal of Computer Applications (IJCA)*, IJCA Special Issue on Communication Security, ISBN: 973-93-80864-65-2, published by Foundation of Computer Science, New York, USA, March 2012.

4. Sharma, P. C., Chaudhari, N. S., “A New Reduction from 3-SAT to Graph  $K$ -Colorability for Frequency Assignment Problem”, Special Issue of *International Journal of Computer Applications (IJCA)* on Optimization and On-chip Communication, No.5. Feb 2012, pp 23-27.
5. Jain, R., Chaudhari, N. S., “A New Bit Wise Technique for 3-Partitioning Algorithm”, Special Issue of *International Journal of Computer Applications (IJCA)* on Optimization and On-chip Communication, No.1. Feb 2012, pp 1-5.
6. Sharma, P. C., Chaudhari, N. S., “Chaudhari, N. S., Thomas, J., “Hybrid Cryptosystem Based on 2-SAT & 3-SAT and the Implications of Polynomial Solvability of 3-SAT”, . In, *International Journal of Computer Applications (IJCA): Special Issue on Evolution in Networks and Computer Communications*, Vol. 2011, No. 2, pp.:01-06, New York, USA (Oct. 2011, issue published in Dec 2011 ) (web-link: <http://www.ijcaonline.org/specialissues/encc/number2/3720-encc009>).
7. Jain, R., Chaudhari, N. S., “Representation of  $k$ -Cluster constraint as  $k$ -SAT in Social Networking”, In, *International Journal of Computer Applications (IJCA): Special Issue on Evolution in Networks and Computer Communications*, Vol. 2011, No.1, pp.:13-18, New York (USA) (Oct. 2011, issue published in Dec 2011) (web-link: <http://www.ijcaonline.org/specialissues/encc/number1/3714-encc003>).
8. Saxena, N., Chaudhari, N. S., “A Secure Digital Signature Approach for SMS Security”, In, *International Journal of Computer Applications (IJCA): Special issue on IP Multimedia Communications*, Vol. 2011, No.1, pp.:98-102, New York (USA) (Oct. 2011, issue published in Dec 2011) (web-link: <http://www.ijcaonline.org/specialissues/ipmc/number1/3758-ipmc022>).
9. Sharma, P. C., Chaudhari, N. S., “Polynomial 3-SAT Encoding for  $K$ -Colorability of Graph,” In, *International Journal of Computer Applications (IJCA): Special Issue on Evolution in Networks and Computer Communications*, Vol.2011, No. 1, pp.:19-24, New York, USA (Oct. 2011, issue published in Dec 2011 ) (web-link: <http://www.ijcaonline.org/specialissues/encc/number1/3715-encc004>).
10. Pathak, K., Tiwari, A., Chaudhari. N. S., “Computational Complexity of Association Rule Hiding Algorithms”, In, *International Journal of Computer Applications (IJCA): Special Issue on Evolution in Networks and Computer Communications*, Vol.2011, No. 1, pp.:39-43, New York, USA (Oct. 2011, issue published in Dec 2011) (web-link: <http://www.ijcaonline.org/specialissues/encc/number1/3718-encc007>)
11. Pathak, K., Chaudhari, N. S., Tiwari, A., Article: Privacy-Preserving Data Sharing Using Data Reconstruction Based Approach. IJCA Special Issue on Communication Security

## **REFEREED CONFERENCE PROCEEDINGS**

1. Sarma, M., Murthy, P. V. R., Jell, S., Ulrich, A., Model-Based Testing in Industry: A Case Study with Two MBT Tools, in ACM Proceedings of 28th International Conference on Software Engineering (ICSE), May 7-9, 2011, Cape Town, South Africa.
2. Maity, S., Samanta, D., Das, S. R., Sarma, M., Language Independent Icon-Based Interface for Accessing Internet, in ACM Proceedings First International Conference on Advances in Computing and Communications (ACC 2011), 22-24 July, 2011 Kochi, Kerala, India
3. Tiwari, A., Trivedi, V., “Estimating similarity of XML Schemas using path similarity measure”, 3rd Global Congress on Intelligent Systems (GCIS 2012), 6 - 8 November 2012, Wuhan University of Technology, Wuhan, China. (Accepted)
4. Dawar, M., Tiwari, A., “Fast Fuzzy Feature Clustering for Text Classification,” International Conference of Advanced Computer Science & Information Technology (ACSI), CS & IT 06, pp. 167–172, July 15, 2012, Chennai, India.
5. Bhandari, S., Tiwari, A., “Design and Implementation of Binary Neural Network Learning with Fuzzy Clustering”, International workshop of Information Technology, Control and Automation (ITCA-2012), July 15, 2012, pp. 349–356, Chennai, India.
6. Purohit, A., Bhardwaj, A., Tiwari, A., Chaudhari, N. S., “Handling The Problem of Code Bloating To Enhance The Performance of Classifier Designed Using Genetic Programming”, 5th Indian International Conference on Artificial Intelligence (IICAI-11), 14-16 December 2011, Tumkur.
7. Purohit, A., Bhardwaj, A., Tiwari, A., Chaudhari, N. S., “Removing Code Bloating in Crossover Operation in Genetic Programming”, International Conference on Recent Trends in Information Technology (ICRTIT-11), June 03-05 2011, pp. 77.
8. Pathak, K., Tiwari A., Chaudhari, N. S., “A Reduction of 3-SAT problem from optimal sanitization in association rule hiding”, In: Proc. of IEEE Int’l conference ETNCC, 2011, 43-46 IEEE-Xplore ISSN No. 18690.
9. Pathak, K., Tiwari A., Chaudhari, N. S., “Privacy Preserving Association Rule Mining by Introducing Concept of Impact Factor”, In: Proc. of IEEE Int’l conference ICIEA 2012 Singapore.

10. Thomas, J., Chaudhari, N. S., “Genetic Based Bounded Knapsack for Column Generation in 1-D Cutting Stock Problem,” (Accepted for oral presentation in: ) 2012 Third International Conference on Emerging Applications of Information Technology (EAIT 2012), (Proceedings to be included in IEEE Explorer), Indian Statistical Institute, Kolkata, India (November 30 - December 01, 2012).
11. Jain, A., Chaudhari, N., “Genetic Algorithm for Optimizing Network Load Balance in MPLS Network,” (Accepted as Regular Paper for oral presentation in: ) IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2012), GLS University, Mathura (Nov. 03-05, 2012).
12. Singh, R. K., Chaudhari, N., Saxena, K., “Integrated Load Balancing Approach for Fault Tolerance in MPLS Networks,” (Accepted as Regular Paper for oral presentation in: ) IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2012), GLS University, Mathura (Nov. 03-05, 2012).
13. Saha, R., Sahu, R. K., Chaudhari, N. S., Chaudhari, N., “Fault Tolerant Reliable Multipath Routing Protocol for Ad hoc Network,” (Accepted as Regular Paper for oral presentation in: ) IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2012), GLS University, Mathura (Nov. 03-05, 2012).
14. Sharma, P., Chaudhari, N., “Phase Transition in Reduction between 3-SAT and Graph Colorability for Channel Assignment in Cellular Network,” (Accepted as Regular Paper for oral presentation in: ) IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2012), GLS University, Mathura (Nov. 03-05, 2012).
15. Singh, R. K., Chaudhari, N., Saxena, K., “Enhancing Fault Tolerance and Rerouting Strategies in MPLS Networks,” (Accepted as Regular Paper for oral presentation in: ) IEEE International Conference on Wireless & Optical Communication Networks (WOCN-2012) INDORE, INDIA (20th - 22nd of Sept, 2012).
16. Sahu, R. K., Chaudhari, N. S., “A Performance Analysis of Network under SYN-Flooding Attack,” (Accepted as Regular Paper for oral presentation in: ) IEEE International Conference on Wireless & Optical Communication Networks (WOCN-2012) INDORE, INDIA (20th - 22nd of Sept, 2012).
17. Thomas, J., Chaudhari, N. S., “An Analytical Approach for Column Generation for One-Dimensional Cutting Stock Problem”, Accepted in CUBE 2012: International Information Technology Conference & Exhibition: IT – Engineering – Management - Telecom : India's largest and most comprehensive Information Technology Event, Management Development Centre (MDC) at Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune, India (3rd -5th Sep 2012).

18. Saxena, N., Chaudhari, N. S., "A Secure Approach for SMS in GSM Network", Accepted in CUBE 2012: International Information Technology Conference & Exhibition: IT – Engineering – Management - Telecom : India's largest and most comprehensive Information Technology Event, Management Development Centre (MDC) at Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune, India (3rd - 5th Sep2012).
19. Saxena, N., Chaudhari, N. S., Prajapati, G. L., "An Extended Approach for SMS Security using Authentication Functions", In, Proceedings of the 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), pp. 650-655, IEEE Catalog no. CFP1220A-CDR (published by IEEE, ISBN: 978-1-4577-2117-5) Singapore, 18th -20th July 2012.
20. Chaudhari, N., Prajapati, G. L., "Learning Alignment Profiles for Structural Similarity Measure," In, Proceedings of the 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), pp. 1316-1321, IEEE Catalog no. CFP1220A-CDR (published by IEEE, ISBN: 978-1-4577-2117-5) Singapore, 18th -20th July 2012.
21. Thomas, J., Chaudhari, N., "Placement Strategy for Trim Minimization in One-Dimensional Cutting Stock," In, Proceedings of the 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), pp. 1362-1365, IEEE Catalog no. CFP1220A- CDR (published by IEEE, ISBN: 978-1-4577-2117-5) Singapore, 18th -20th July 2012.
22. Pathak, K., Chaudhari, N., Tiwari, A., "Privacy Preserving Association Rule Mining by Introducing Concept of Impact Factor," In, Proceedings of the 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), pp. 1455-1458, IEEE Catalog no. CFP1220A-CDR (published by IEEE, ISBN: 978-1-4577-2117-5) Singapore, 18th -20th July 2012.
23. Sharma, P. C., Chaudhari, N. S., "Channel Assignment Problem in Cellular Network and Its Reduction to Satisfiability using Graph k-Colorability", In, Proceedings of the 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), pp. 1731-1734, IEEE Catalog no. CFP1220A-CDR (published by IEEE, ISBN: 978-1-4577-2117-5) Singapore, 18th -20th July 2012.
24. Jain, R., Chaudhari, N. S., "A New 3-Clustering Algorithm For Minimum Sum Of Diameter Using Bit Representation", In, Proceedings of the 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), pp. 1995-2000, IEEE Catalog no. CFP1220A-CDR (published by IEEE, ISBN: 978-1-4577-2117-5) Singapore, 18th -20th July 2012.
25. Saxena N., Chaudhari, N., "Secure EGDH Scheme for Message Integrity in Wireless Network," The Third International Conference on Communications Security and Information Assurance (CSIA- 2012), Delhi, India, (May 25 to 27, 2012) (proceedings of the conference is in the form of Book as: Advances in Intelligent and Soft-Computing,

26. Thakur, R., Jain, S., Chaudhari, N. S., "User Behavior Analysis using Alignment Based Grammatical Inference from Web Server Access Log," 4th International Conference on Electronics Computer Technology (ICECT 2012), April 6 - 8, 2012, Kanyakumari, India.
27. Saxena, N., Chaudhari, N., "Analysis of El-Gamal with Diffie-Hellman Scheme using Hash-Function for Message Security," In, Proceedings of the 2012 Students Conference on Engineering and Systems (SCES 2012) Motilal Nehru National Institute of Technology (MNNIT), Allahabad, India, pp. 55-60, ©2012 IEEE, ISBN: 978-1-4673-0454-2, 978-1-4673-0455-9/12/\$31.00 (March 16-18, 2012).
28. Saxena, N., Chaudhari, N. S., "Message Security in Wireless Networks: Infrastructure based vs. Infrastructureless Networks", In, Proceedings of the 2012 Students Conference on Engineering and Systems (SCES 2012), Nehru National Institute of Technology (MNNIT), Allahabad, India, pp. 915-920, ©2012 IEEE, ISBN: 978-1-4673-0454-2, 978-1-4673-0455-9/12/\$31.00 (March 16-18, 2012).
29. Thakur, R., Chaudhari, N. S., Jain, S., Singhai, R., "Information extraction from semi-structured and un-structured documents using probabilistic context free grammar inference," In, Proceedings, International Conference on Information Retrieval and Knowledge Management (CAMP 2012), (IEEE Conference) Page(s): 273 – 276, Digital Object Identifier: 10.1109/InfRKM.2012.6204988 MINES Wellness Hotel, Kuala Lumpur, Malaysia (13-15 March, 2012).
30. Thakur, R., Jain, S., Chaudhari, N. S., "Grammatical Search for information extraction on Web," 2nd International Conference on Computer, Communication, Control and Information Technology, C3IT-2012 (Feb. 25-26, 2012), Chennai, India (Proceedings published by ELSEVIER, and available online at [www.sciencedirect.com](http://www.sciencedirect.com)).
31. Thakur, R., Jain, S., Chaudhari, N. S., "Incremental Discovery of Sequential Pattern from Semi-Structured Document Using Grammatical Inference", In, Proceedings, 8th International Conference on Distributed Computing and Internet Technology (ICDCIT 2012), Bhuvanashwar, 01-02 February, 2012, Proceedings of the conference published as: volume 7154, Lecture Notes in Computer Science, Springer Verlag, Berlin (2012) page no 269.
32. Li, S., Tsang, I. W., Chaudhari, N. S., "Infinite Decision Agent Ensemble Learning System for Credit Risk Analysis," In, Proceedings, The tenth International Conference on Machine Learning and Applications (ICMLA'11), Hilton Hawaiian Village, Honolulu Hawaii USA © 2011 IEEE DOI 10.1109/ICMLA.2011.80, pp, 36-39, (December 18-21, 2011).
33. Chaudhari, N. S., "3-CNF Satisfiability in Polynomial Time," (as invited paper) in 5th Indian International Conference on Artificial Intelligence (IICAI-11), December 14-16, 2011, pp. 590-609, Siddaganga Institute of Technology (SIT), Tumkur, Bangalore, India.

34. Purohit, A., Bhardwaj, A., Tiwari, A., Chaudhari, N. S., "Handling the problem of code bloating to enhance the performance of classifier designed using genetic programming," In, Proceedings, 5th Indian International Conference on Artificial Intelligence (IICAI-11), Bhanu Prasad, Pawan Lingras, Ramakant Nevatia (Eds.): pp. 333-342 December 14-16, 2011, ISBN 978-0-9727412-8-6, Siddaganga Institute of Technology (SIT), Tumkur, Bangalore, India.
35. Singh, P., Gulani, S., Verma, A., Chaudhari, N. S., "An Intelligent Network for handwritten Devnagri Digit recognition using Structural features," In, Proceedings, 5th Indian International Conference on Artificial Intelligence (IICAI-11), Bhanu Prasad, Pawan Lingras, Ramakant Nevatia (Eds.): pp. 105-112, December 14-16, 2011, ISBN 978-0-9727412-8-6, Siddaganga Institute of Technology (SIT), Tumkur, Bangalore, India.
36. Singh, P., Sabharwal, J., Verma, A., Chaudhari, N. S., "An Efficient method for the Devnagri handwritten vowel recognition," In, Proceedings, In, Proceedings, In, Proceedings, 5th Indian International Conference on Artificial Intelligence (IICAI-11), Bhanu Prasad, Pawan Lingras, Ramakant Nevatia (Eds.): pp. 113-120, December 14-16, 2011, ISBN 978-0-9727412-8-6, Siddaganga Institute of Technology (SIT), Tumkur, Bangalore, India.
37. Jain, R., Chaudhari, N. S., "Formulation of 3-Clustering as a 3-SAT Problem", In, Proceedings, 5th Indian International Conference on Artificial Intelligence (IICAI-11), Bhanu Prasad, Pawan Lingras, Ramakant Nevatia (Eds.): pp. 465-472, December 14-16, 2011, ISBN 978-0-9727412-8-6, Siddaganga Institute of Technology (SIT), Tumkur, Bangalore, India.
38. Thomas, J., Chaudhari, N. S., "Two Approaches for Hamiltonian Circuit Problem using Satisfiability", 5th Indian International Conference on Artificial Intelligence (IICAI-11), Bhanu Prasad, Pawan Lingras, Ramakant Nevatia (Eds.): pp. 601-617, December 14-16, 2011, ISBN 978-0-9727412-8-6, Siddaganga Institute of Technology (SIT), Tumkur, Bangalore, India.
39. Saxena, N., Chaudhari, N. S., "An Approach for Secure SMS Transmission in GSM Network", International Conference on Communication and Networks (CoMNet-2011), College of Technology and Engineering, MPUAT, Udaipur, 4th -6th Dec 2011.
40. Chaudhari, N. S., "NP=P: Polynomial Solvability of 3-SAT", (An Invited Talk): In, Proceedings, International Conference on Advances in Modelling, Optimization, and Computing (AMOC-2011), Indian Institute of Technology, Roorkee (05-07 Dec. 2011).
41. Li, S., Tsang, I. W., Chaudhari, N. S., "Infinite Decision Agent Ensemble Learning System for Credit Risk Analysis," in Proceedings, 10th IEEE International Conference on Machine Learning and Application, pp. 36-39, Honolulu, Hawaii, USA (Nov. 2011).

42. Jain, R., Chaudhari, N. S., "Identification & Generation of Constraints in Social Network", In, Proceedings, International Conference "Emerging Trends in Networks & Computer Communications" (ETNCC 2011), (Ed. D. Singh), pp. 11-14, April 22-24, 2011, College of Technology & Engineering, Maharana Pratap University of Agri. & Tech, Udaipur, Rajasthan, Co-Sponsored by IEEE.
43. Thomas, J., Chaudhari, N. S., "*Polynomial Solvability of Satisfiability and its implication to hybrid cryptosystem security*", In, Proceedings, IEEE International Conference "Emerging Trends in Networks & Computer Communications" (ETNCC 2011), (Ed. D. Singh), pp. 52-54, April 22-24, 2011, College of Technology & Engineering, Maharana Pratap University of Agri. & Tech, Udaipur, Rajasthan, Co-Sponsored by IEEE.
44. Sharma, P. C., Chaudhari, N. S., "*A Graph Colouring Approach for Channel Assignment in Cellular Network through Propositional Satisfiability*", In, Proceedings, IEEE International Conference "Emerging Trends in Networks & Computer Communications" (ETNCC 2011), (Ed. D. Singh), pp. 23-26, April 22-24, 2011, College of Technology & Engineering, Maharana Pratap University of Agri. & Tech, Udaipur, Rajasthan, Co-Sponsored by IEEE.
45. Pathak, K., Tiwari, A., Chaudhari, N. S., "*A Reduction of 3-SAT problem from optimal sanitization in Association Rule Hiding*", In, Proceedings, IEEE International Conference "Emerging Trends in Networks & Computer Communications" (ETNCC 2011) April 22-24, 2011, (Ed. D. Singh), pp. 43-46, College of Technology & Engineering, Maharana Pratap University of Agri. & Tech, Udaipur, Rajasthan, Co-Sponsored by IEEE.
46. Singh, P., Ajay Verma, A., Chaudhari, N. S., "Performance analysis of flexible zone based features to classify Hindi numerals," In, Proceedings of The 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011) Kanyakumari, Digital Object Identifier: 10.1109/ICECTECH. 2011.5942101, pp. V6-292-296. (8-10 April 2011).
47. Sharma, M. K., Saha, P. K., Sarcar, S., Ghosh, S., Samanta, D., Sarma, M., Error Quantifying Metrics for Text Entry Systems Augmented with Word Prediction, The 10th Asia Pacific Conference on Computer Human Interaction (APCHI 2012), Matsue, Japan, 28-31 August, 2012
48. Sarcar, S., Samanta, D., Ghosh, S., Sarma, M., Indic Onscreen Keyboard for Text Entry in Bengali, The 10th Asia Pacific Conference on Computer Human Interaction (APCHI 2012), Matsue, Japan, 28-31 August, 2012.



## School of Humanities and Social Sciences

### PUBLICATIONS

1. Kumar, B., "The Problem of Nationalism: The Moral Dimension", *Tattva, Journal of Philosophy*, Christ University, Bangalore, Vol. 4, No.1, Jan-June 2012. ISSN: 0975-33XX
2. Kumar, B., "The Texture of the Concept of Nationalism", *Wesleyan Journal of Research*, Bankura Christian College, Vol. 4, No. 1, 2011. ISSN: 09751386
3. Kumar, B., 8 Units on "Gandhian Philosophy" for the Indira Gandhi National Open University, New Delhi, Post-Graduate Programme in Philosophy, June 2011.
4. Kumar, B., "Civic Nationalism Vs Ethnic Nationalism", *Journal of Indian Council of Philosophical Research*, New Delhi, Vol. XXVIII, No.2, April-June 2011, pp136-140 .
5. Nayak, A., "Oscillating between Propaganda and High Art: Dealing with Conflicts in Indian English Poetry", *Lapis Lazuli – An International Literary Journal*, Vol. II, Issue I, Spring 2012.
6. Nayak, A., "Sweeping Generalizations and False Dichotomies: An Examination of the Insider-Outsider Dichotomy in Anjum Hasan's Lunatic in My Head", ed. Indu Swami. *Exploring North-East Indian Writings in English*, Vol. 2, New Delhi: Sarup Book Publishers, 2012, pp. 44 –5 5
7. Sharma, R., Saxena. K.K., "Strengthening Patent Regime: Benefits for Developing Countries - A Survey." *Journal of Intellectual Property Rights*, Vol. 17 (2) 2012. pp.122-132.
8. Sharma, R., Patent Policy and Research and Development Expenditure: Evidence from Indian Industry. Knowledge Globalization Conference, held at Pune from January 5-7 2012, 193-200. ISBN 978-0-979-7593-3-8.
9. Sharma, R., Saxena. K.K. 2012. The Influence of Patent Protection on Developing Countries' Innovation and Technology Transfer. Forthcoming in *The Global Studies Journal*.
10. Upendra, C., Review of Alison Assiter's *Kierkegaard, Metaphysics and Political Theory* (Continuum, 2009),
11. Upendra, C., Review of Christopher Heath Wellman and Phillip Cole's *Debating the Ethics of Immigration: Is There A Right to Exclude?* (Oxford University Press, 2011), *Journal of Studies in Social and Political Thought*.
12. Upendra, C., Review of Chad Wellmon's *Becoming Human: Romantic Anthropology and the Embodiment of Freedom* (The Pennsylvania State University Press, 2010), *Studies in Social and Political Thought*.

13. Upendra, C., Review of Terry Eagleton's *Why Marx Was Right?* (Yale University Press, 2011), REASON PAPERS.
14. Upendra, C., Review of *Virtue and Politics: Alasdair's Macintyre's Revolutionary Aristotelianism* by Paul Blackledge and Kelvin Knight (University of Notre Dame Press, 2011), Political Studies Review, Accepted.

### **SEMINARS/ CONFERENCES/WORKSHOPS**

1. Kumar, B., "Cultural Politics" as part of the IUAES (The International Union of Anthropological and Ethnological Sciences) Commission on Ethnic Relations sponsored panel "Ethnicity & Citizenship" at a conference on 'Knowledge and Value in a Globalising World: Disentangling Dichotomies, Querying Unities' at Perth, Western Australia, 5-8 July 2011.
2. Kumar, B., "Social Aspects of Buddhism: Two Visions" at a National Seminar on Social Dimensions of Buddhism organised by Centre for Mahayana Buddhist Studies, Nagarjuna University, Guntur, 16-17 September 2011.
3. Kumar, B., "Multiculturalism and the Urban" at an International Seminar on Demystifying the Urban: Borderlands of Canada and India organized by the Centre for Canadian Studies, Department of Comparative Literature, Jadavpur University, Kolkata from 1st to 3rd February
4. Kumar, B., "Justice in and through Multiculturalism" at a National Seminar Justice and Multiculturalism organised by Department of Philosophy, Dravidian University, Kuppam during 8-10th February 2012.
5. Kumar, B., "Thematic and Problematic in Indian Nationalism" at Re-visiting Indian Nationalism organised by Department of History, Kurukshetra University, 18th February, 2012.
6. Nayak, A., "Reinventing the Northeast Indian English Literary Tradition through Productive Negotiations among diverse Literary Traditions: A Close Reading of Selected Short Fiction in English from the Northeast India", International Conference Narrativizing the margins: Northeast India and Beyond, 4 – 6 January, 2012 at Assam University, Diphu Campus, Assam.
7. Nayak, A., Participated in a Study Workshop on Education organized by Krishnamurti Education Trust at Sanjeevan Vidyalaya, Panchgani, November 3 – 7, 2011.
8. Sharma, R., "Patent Policy and Research and Development Expenditure: Evidence from Indian Industry", Knowledge Globalization Conference held at FLAME, Pune, India from January 5-7, 2012.
9. Sharma, R., "Harmonization of Patent Rights for Software," Invited Lecture for the National Conference on the Enforcement of Intellectual Property Rights in Electronics & IT sector organized by Confederation of Indian Industry, April 20, 2012 at Hotel

Fortune Landmark, Indore.

10. Upendra, C., “Living in the End Times: Critical Analysis” at a National Seminar Justice and Multiculturalism organised by Department of Philosophy, Dravidian University, Kuppam during 8-10th February 2012.
11. Yeldho, J. V., “Pedestrian Events: Folds and Imagined Cities in Inception.” Presented at C PRACISIS (Centre for Performance Research and Culture Studies in South Asia) International Conference on Visual Spaces (January, 2012), Asian College of Journalism, Chennai.