

# Rajarajeswari College of Engineering, Bangalore 74

## Research Publications of the staff

Academic Year 2010-11

### ELECTRONICS & COMMUNICATION ENGINEERING

1. **Aruna, S**, Mallikarjun. H. M, Vinay, B, P. V. Rao, “*Current Steering DAC based hybrid multiplier for ANN’s in Image Compression*”, International Journal of Nano system Technology, Electrical Engineering and Electronics Systems (To be communicated) (Communicated during August 2010).
2. **Bhuvaneshwari, P**, N. C. Patil, P. V. Rao, Mallikarjun. H. M, “*Design and Implementation of 12 bit, 75 Ms/s Pipelined ADC using open loop residue amplification 180 nm CMOS technology*” International Journal of Nano system Technology, Electrical Engineering and Electronics Systems (To be Published) (Communicated during September 2010).
3. **V. Sripathi**, C. Srinivas, Raju Hazare, MadhusudanaRao Ganji, “*Controlling Multiple motors using Single Micro Controller*”, International Conference on Artificial Intelligence (ICAI 2008), Los Vegas, USA.
4. G. T. Raju, **P S Satyanarayana**, “*Knowledge Discovery from Web Usage Data: a Complete Preprocessing Methodology*”, International Journal of Computer Science and Network Security, ISSN: 1738-7906, Vol.8, No.1, Jan 2008.
5. G. T. Raju, **P S Satyanarayana**, “*Knowledge Discovery from Web Usage Data: a Novel Approach for Perfecting of Web Pages based on ART Neural Network Clustering Algorithm*”, International Journal on Innovative Computing, Information and Control (IJICIC) ISSN 1349-4198, Japan, published in Vol. 4, No. 3, June 2008.
6. G. T. Raju, **P S Satyanarayana**, Dr. L M Patnaik, “*Knowledge Discovery from Web Usage Data: Extraction and applications of sequential & clustering patterns - A Survey*”, International Journal on Innovative Computing, Information and Control (IJICIC) ISSN 1349-4198, Japan, published in Vol. 4, No. 2, April 2008.
7. B.K. Sujatha and **Dr P.S. Satyanarayana** and Dr K.N. Haribhat, “*Pre-processing and Step-size Adaptation for Performance Improvement in ADM*”, International Journal of Advanced Science and Technology Volume 5, April, 2009, pp 85-96.
8. Gowrishankar, **Satyanarayana P.S.** “*A Time Series Modeling and Prediction of Wireless Network Traffic*”, International Journal of Interactive Mobile Technologies, ISSN 1865-7923, Vol.3, No.1, January 2009.
9. Gowrishankar, **Satyanarayana P.S.** “*Neural Network Based Traffic Prediction for Wireless Data Network*”, International Journal of Computational Systems, ISSN 1875-6891, ISSN 1875-6883, Vol.1. No.4, December 2008.
10. Gowrishankar, **Satyanarayana P.S.** “*Recurrent Neural Network Based Bit Error Rate Prediction for 802.11 Wireless Local Area Network*”, , International Journal of Computer Science and Engineering Systems, ISSN 0973-4406, Vol.2, No.3, July 2008, pp 177-184.
11. Gowrishankar, **Satyanarayana P.S.** “*Recurrent Neural Network Based BER Prediction for OFDMA Channel*”, , International Journal of Computer Science and Network Security, ISSN 1738-7906, Vol.7, No.12, December 2007, pp 95-101.
12. Gowrishankar, **Satyanarayana P.S.** “*Neural Network Based BER Prediction for 802.11 Network*”, International Journal of Computing and ICT Research, ISSN 1818-1139, ISSN 1996-1065(Online), Vol.1, No.2, December 2007, pp 19-30.
13. **P S Satyanarayana**, Andhe Pallavi, Dr. B. S. Adiga. “*Issues in TC-Based Sensor Networks*”, IEEE 14<sup>th</sup> Annual Symposium on Emerging Trends in Wireless Networks, Nov, 2005.
14. Gowrishankar, **Satyanarayana .P .S**, “*Performability Modeling of Vertical Handoff in Wireless Networks*”, Journal of Computing and Information Technology (CIT), ISSN 1330-1136 (print), ISSN 1846-3908 (online).
15. Gowrishankar, **Satyanarayana.P.S** “*Performance Evaluation of Vertical Handoff in Wireless Networks*”, International Journal of Computer Science and Information Systems (ComSIS), ISSN 1820-0214, (Accepted for Publication). (Impact Factor 2.3).
16. **P S Satyanarayana**, Andhe Dharani “*OCR for Script Identification of Devanagiri Character Set Using Half-toned Image with OPTICS*”, , International Journal of Data mining Knowledge Engineering, Vol. 1. No.5, August 2009, pp 244-249. ISSN 0974 – 9683.
17. **P S Satyanarayana**, Andhe Dharani “*Analysis of Message Authentication in Turbo Coded Half-toned Images using Exit Charts*”, , International Journal of Computer and Information Science And Engineering, Vol. 1, No. 2, ISSN 1307-4164, 2007c, pp 90 – 95.

18. **Dr. P S Satyanarayana**, Andhe Dharani “*OCR script identification using separable error diffusion halftoning algorithm with neural classifier*”, *Enformatika, International journal of Applied Mathematics and Computer Sciences quarterly*, Vol. 4, No. 2, ISSN 1305 – 5313, ISBN 978 – 975 – 00803 – 9 – 5, April 2007, pp 548- 552.
19. **Dr. P.S Satyanarayana** and M.R Chidambara “*Sub- optimal control via Lower order generalized aggregated Models*”. C- TAT (Control – Theory and Advanced Technology) Vol- 3, No. 3, PP 239 – 261, Sept 1987. (International Journal Published by MITA Press, TOKYO, JAPAN).
20. G T Raju, Kunal, **P S Satyanarayana** “*Knowledge Discovery from Web Usage Data: Extraction of Sequential patterns through ART1 neural network based clustering algorithm*” , , Presented & published in IEEE International Conference on Computational Intelligence and Multimedia Applications (ICCIMA07), held during 13-15th December 2007 Sivakasi.
21. G T Raju, Kunal, **P S Satyanarayana**, L M Patnaik “*Knowledge Discovery from Web Usage Data: Extraction and Applications of Sequential Patterns*”, , IEEE International Conference on Signal and Image Processing, held during 7-9th December 2006, Hubli, Karnataka, India.
22. G T Raju, **P S Satyanarayana**, Dr. L M Patnaik “*Knowledge Discovery from Web Usage data – Survey*”, , International Conference on Innovative Applications of Information Technology for Developing World (Asian Applied Computing Conference- AACC 2005) held on 10-12th December 2005 at Kathmandu, Nepal.
23. G T Raju, Dr. Suresh Khandige, “*ART Neural Network based Clustering Agent for User Access Patterns*”, Proceedings of IASTED International Conference on Computational Intelligence (CI 2005), held at Calgary, CANADA, July 4-6 2005. (DBLP)
24. G T Raju, Gowrishankar, Dr. Suresh Khandige “*A Middleware for distributed System in heterogeneous Wireless Networks*”, in the proceedings of IEEE International Conference on Parallel and Distributed Systems(ICPADS) held at Fakuoka, Japan , 18-20 July 2005. (DBLP)
25. G T Raju, Dr. Suresh Khandige “*Neural Network based Agents for Knowledge Discovery from WWW Transactions*”, Proceedings of the International Conference on Software Agents held at BIET, Davanagere, 5-6 Sep 2003.
26. B.K. Sujatha and **Dr P.S. Satyanarayana** and Dr K.N. Haribhat, *Dynamic Range and Signal to Noise Improvements in Adaptive Delta Modulation Systems*, Published in Proceedings of 1st International conference on Emerging Technologies and Applications in Engineering, Technology and Sciences, vol. 2, ICETAETS-2008, Jan 13-14, 2008. Pp 1620-1624.
27. B.K. Sujatha and **Dr P.S. Satyanarayana** and Dr K.N. Haribhat, *Performance Improvements in Sub-Band Coding Using the Proposed ADM*, Published in Proceedings of the 4th IEEE International conference on Signal Image Technology & Internet Based Systems ,SITIS-2008, vol. 4, Nov 30-Dec 3, 2008. pp 395-402.
28. B.K. Sujatha and **Dr P.S. Satyanarayana** and Dr K.N. Haribhat, *Digital Coding of Speech Waveforms using the proposed ADM*, Published in Proceedings of the 2nd IEEE International conference on Future Generation Communication and Networking, FGNC-2008, vol. 1, Dec 13-15, 2008. pp 381-386.
29. B.K. Sujatha and **Dr P.S. Satyanarayana** and Dr K.N. Haribhat, *Study of a Novel ADM Algorithm with Pre-processing for Performance Improvement*, Published in Proceedings of the 1st IEEE International e-conference on Advanced Science and Technology ,AST-2009, March 7-9, 2009. pp 64-69.
30. Dr. B. S. Adiga “*Crypto System based Turbo Codes*”, Dr. P S Satyanarayana, Andhe Pallavi, IEEE 12<sup>th</sup> Annual Symposium on Mobile Computing and Applications, Nov,2003.
31. RameshBabu.H.S, **Satyanarayana P.S**, Gowrishankar “*Call admission control in heterogeneous wireless networks using multi criteria decision making: A comprehensive survey*”, International seminar on IT in Academics (ITA 2009), 20 - 22<sup>nd</sup> February 2009, Singhad Institute of Management, Pune, Maharashtra.
32. Gowrishankar, RameshBabu.H.S, **Satyanarayana P.S**. “*Performance Analysis of Vertical handoff in Wireless Data Networks*”, , The 4<sup>th</sup> IEEE International Conference on Wireless communication, Networking and Mobile Computing (WiCOM2008), October 12-14, 2008, Dalian, China.
33. Gowrishankar, Ramesh Babu.H.S, Raju.G.T, **Satyanarayana P.S**. “*Performability Model of Vertical handoff in Wireless Data Networks*”, 4th IEEE International Conference on Wireless and Mobile Communication (ICWMC2008), July27-August 1, 2008, Athens, Greece. (Accepted for Publication, Acceptance Rate: 31 %).
34. Gowrishankar, RameshBabu.H.S, **Satyanarayana P.S**. “*Neural Network Based BER Prediction for 802.16e Channel*”, 15th IEEE International Conference on software, Telecommunication and Computer Networks 2007 (SoftCOM2007), September 27-29, 2007, Split, Croatia.
35. Gowrishankar, P.S. Satyanarayana “*Recurrent Neural network Based BER Prediction for NLOS Channel*”, 4th ACM Mobility Conference (MC07), September 10-12, 2007, Singapore. (Acceptance Rate: 32 %).

36. Gowrishankar, RameshBabu.H.S, **Satyanarayana.P.S.** “*Recurrent Neural network Based Bit Error Rate Prediction for Narrowband Fading Channel*”, 6th IASTED Communication Systems and Networking conference (CSN2007), August 28-31, 2007, Palma de Mallorca, Spain.
37. **Dr. P S Satyanarayana**, Dr. L M Patnaik Gowrishankar “*Delay analysis of 802.11 under fading channel scenario*”, , accepted for publication in IEEE international conference on signal processing ,communication and networking (ICSCN-2007) to be held on 23-24<sup>th</sup> February 2007 at Madras institute of Technology ,Chennai.
38. Gowrishankar, **Satyanarayana.P.S**, Radhika K.R. “*Delay Analysis of 802.11 under Fading Channel Scenario*”, 9th IEEE International Conference on Telecommunication (ConTEL 2007), June 13-15, 2007, Zagreb, Croatia.
39. Gowrishankar, Radhika K.R., **Satyanarayana.P.S**, “*Delay analysis of Single Hop 802.11 Network*”, , International conference on advance communication system (ICACS-2007), January 10-12, 2007, Coimbatore, India
40. **Dr. P S Satyanarayana**, Andhe Pallavi, Dr. B S Adiga “*MAC based MUD System*”, , Selected for inclusion in the 2006 International Waveform Diversity and Design Conference, Hawaii, USA, to be held on Jan 22 - 27 2006.
41. H. B. Phaniraju, Suresh Khandige, M. S. Raviprakash and **P. S. Satyanarayana**, “*Powersystem Load Models for Distribution System Studies*”, Paper submitted for International conference at CPRI – Dec 2005.
42. Gowrishankar, G T. Raju, Suresh Khandige, “*A Middleware for Distributed System in Heterogeneous Wireless Networks*”, 11th International Conference on Parallel and Distributed Systems (ICPADS 2005), 18-20 July 2005, Fakuoka, Japan.
43. **Dr. P S Satyanarayana**, Andhe Dharani “*Power Optimization in Turbo coded Halftoned Images*”, IEEE international conference on Information and communication technologies: theory to application, Damascus, Syria, April 2006, pp 817-818.
44. **Dr. P S Satyanarayana**, Andhe Dharani, “*Analysis of Message Authentication in Turbo Coded Halftoned Images using Exit Charts*”, XXI. International Conference on Computer, Electrical, and Systems Science, and Engineering, CESSE 2007, 25th – 27th , May, 2007, Vol. 21: ISBN: 978-975-01752-0-6, Vienna, Austria, pp. 49 – 55
45. **Dr. P S Satyanarayana**, Andhe Dharani, “*OCR for Script Identification of Hindi (Devnagari) Numerals using Error Diffusion Halftoning Algorithm with Neural classifiers*”, XX. International conference on computer, information and systems science and engineering, 25th – 27th, April, 2007, Barcelona, Spain, pp. 257 – 261.
46. **P.S Satyanarayana** and M.R Chidambara, “*Generalized Aggregated model and Sub – optimal control for MIMO systems*” Proc. IEEE – IISC International Conference on “Computers, systems and signal processing “Bangalore (India), Vol. II Dec 1984.
47. **P.S Satyanarayana** and M.R Chidambara , “*An improved lower order generalized aggregated model and Sub - optimal control*” Proc. IEEE International Conference on “ Systems, Man and Cybernetics”, Bombay – Delhi (India), Vol II (Delhi), PP 1068-1070, Dec 1983.

### National Conferences

1. B.K. Sujatha and Dr P.S. Satyanarayana, *Performance Improvements in Adaptive Delta Modulation(ADM)*, Published in Proceedings of National conference on Computational Mathematics in Engineering Applications , NCCEMA-2005, July 21-22, 2005. pp 93-105.
2. B.K. Sujatha and Dr P.S. Satyanarayana, *Pre-Processing of message to Improve the Performance of Adaptive Delta Modulation(ADM)*, Published in Proceedings of National conference on Recent Trends in Information Technology, August 2-3,2005.
3. B.K. Sujatha, Dr P.S. Satyanarayana and Dr K.N. Haribhat, *Pre-Processing for Optimal Controller Performance*, Published in Proceedings of 2nd National Control Instrumentation System Conference, CISCON-2005; Nov 11-12, 2005. pp 396-398.
4. B.K. Sujatha and Dr P.S. Satyanarayana, “*Preprocessing for Optimal Controller Performance*”, MIT, Mangalore, Nov 2005.
5. Dr. P S Satyanarayana, B K Sujatha, “*Performance Improvements in ADM*”, Proc. National Conference on Computational Mathematics in Engg. Applications, RVCE, Bangalore, July 2005.
6. Dr. P S Satyanarayana, B K Sujatha, “*Performance Issues in ADM*”, Proc. National Conference on recent Trends in IT, Sir MVIT, July 2005.

7. G T Raju, Dr. Suresh Khandige “*Agent Based Knowledge Discovery from WWW Transactions*” in the Proceedings of National Conference on Software Agents & ES held at SREC, Coimbatore. 11-12 July 2003.
8. G T Raju, Dr. Suresh Khandige, “*Neural Network Approaches for Knowledge Discovery from WWW Transactions*”, In the proceedings of National Seminar on Emerging Trends in Soft Computing based Artificial Intelligence, held at MBMEC, JNV University, Jodhpur, 27-29th Feb 2004.
9. G T Raju, Dr. Suresh Khandige, “*Knowledge Discovery from Web Usage data using SOM Neural Network*”, in the proceedings of National conference on Data mining, held at KCT, Coimbatore, 3-4th Dec 2004.
10. Gowrishankar, G T Raju, Dr. Suresh Khandige, “*A Middleware for Distributed System in Heterogeneous Wireless Networks*”, in the proceedings of National Conference on Distributed Computing NCD-2004 held at NMAMIT, Nitte, 5-6th March 2004.
11. Gowrishankar, Dr. Suresh Khandige “*Component Based Approach for Web Services*”, Proceedings of National Conference OBCOM.2003, VIT Vellore.
12. H. B. Phaniraju, Suresh Khandige, and P. S. Satyanarayana, “*Electrical energy conservation & management for motors, systems and Electrical equipment*”, National seminar at DSCE – Nov 2005.
13. Dr. P S Satyanarayana, Andhe Pallavi, Dr. B S Adiga, “*Robust Authentication in Digital Half toned Images*”, Proc. Of National Conference on Advanced Multimedia Processing and Applications, RVCE, pp 89-93, Oct 2005.
14. Dr. P S Satyanarayana, Andhe Dharani, Dr. B S Adiga, “*Robust Authentication in Digital Half toned Images*”, Proc. Of National Conference on Advanced Multimedia Processing and Applications, RVCE, pp 89-93, Oct 2005.
15. Dr. P S Satyanarayana, Andhe Pallavi, Dr. B. S. Adiga, “*Turbo Codes and One-Time Pads*”, Proc. 5<sup>th</sup> National Conference on Cryptology, JNNCE, pp 213-218, Aug 2005.
16. Dr. P S Satyanarayana, B K Sujatha, “*Performance Improvements in ADM*”, Proc. National Conference on Computational Mathematics in Engg. Applications, RVCE, Bangalore, July 2005.
17. Dr. P S Satyanarayana, B K Sujatha, “*Performance Issues in ADM*”, Proc. National Conference on recent Trends in IT, Sir MVIT, July 2005.
18. Dr. P S Satyanarayana, Andhe Dharani, “*An Analysis of Various dithering Techniques in Digital Half Toning*”, Proc. National Conference on Computational Mathematics in Engg. Applications, RVCE, Bangalore, July 2005.
19. Dr. P S Satyanarayana, Andhe Dharani, B. K. Sujatha, “*Analysis of Algorithms in Digital Half Toning*”, Proc. National Conference on recent Trends in IT, Sir MVIT, July 2005.
20. Dr. P S Satyanarayana, Andhe Pallavi, Dr. B S Adiga, “*Reconfigurable Signal Processing in wireless Phones*”, Proc. Of National Conference on Advanced Communication Techniques and Research, CIT, Gubbi, PP 153-159, April 2005.
21. Dr. P S Satyanarayana, Andhe Dharani, “*Documentation Authentication using Digital Half Toning*”, Proc. Of National Conference on Advanced Communication Techniques and Research, CIT, Gubbi, PP 63- 69, April 2005.
22. Dr. P S Satyanarayana, Andhe Pallavi, Dr. B S Adiga, “*Encryption Using Turbo Codes*”, National Conference on Vision, Graphics, and Image Processing, JNNCE, March 2005.
23. Dr. P S Satyanarayana, Andhe Dharani, “*Documentation Authentication using Digital Half toning*”, National Conference on Vision, Graphics, and Image Processing, JNNCE, March 2005.
24. P.S Satyanarayana and M.R Chidambara, “*On approximate disaggregation using GAM: Application to State Regulation*”, Proc. National Systems Conference (NSC- 85), Allahabad (India) Dec 1985.
25. P.S Satyanarayana, “*A Joint radio resource management in beyond 3g networks: Functional approaches and Realization requirement*”, National conference Information Technology and Management practices. (BVCON 2009)”, February 2009 , IMRDA, Sangli, Maharashtra
26. P.S Satyanarayana, “*A Study on design considerations for joint call admission control algorithms in beyond 3G heterogeneous wireless networks*” , “National Conference on Wireless Information and Networking in Global Systems (WINGS 2009)”, 16<sup>th</sup>, 17th April 2009, KLN College of Engineering, Madurai, Tamil Nadu.

## MECHANICAL ENGINEERING

1. R.Balakrishna, U.Rajeswar Rao, G.A.Ramachandra, **M.S.Bhagyashekar**,” Performance Issues on AODV and DSDV for MNAETS”, has been accepted for publication in the Journal of Theoretical and Applied Information Technology. (IJTIT).

2. R.Balakrishna, U.Rajeswar Rao , G.A.Ramachandra, **M.S.Bhagyashekar**, "Performance issues on AODV and AOMDV for MANETS" in International Journal on Computer Science and information Technology( IJCSIT), Vol 01, Issue 02, Pp. 30-48.
3. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S** "Prediction on Tribological Properties of Al6061-SiC MMCs Using Artificial Neural Networks, Communicated to journal of Materials and Design, JMAD-D-10-00459"
4. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S** "Mechanical and Tribological behavior of Particulate Reinforced Aluminum Metal Matrix Composites - a review, communicated to journal of Composites Science and Technology.
5. R.Balakrishna, U.Rajeswar Rao, G.A.Ramachandra, **M.S.Bhagyashekar**," Trust-based Routing Security in MANETS", / (IJCSSE) International Journal on Computer Science and Engineering Vol. 02, No. 03, 2010, 534-540
6. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, "Effect of SiC Reinforcement in Al6061 Alloy", International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences" (IJ-ETA-ETS) Volume 3, Issue 1, pp.140-147, Jan 2010 - June 2010.
7. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, " Wear Resistance Assessment of Al6061-SiC Composites using Wear Endurance Index", Proceedings of an "International Conference on Materials, Mechanics and Management (IMMM2010)", 14<sup>th</sup> to 16<sup>th</sup>, January, 2010, at College of Engineering Trivandrum, Tiruvananthapuram, Kerala.
8. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, "Prediction of Wear of Al6061-SiC Metal Matrix Composites using Artificial Neural Networks", International Journal of Computer Applications in Engineering, Technology and Sciences (IJ-CA-ETS) Volume 2, Issue 1, pp. 498-505, October 2009 – March 2010.
9. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, "Studies on Al6061-SiC and Al7075-Al<sub>2</sub>O<sub>3</sub> Metal Matrix Composites", Journal of Minerals & Materials Characterization & Engineering, (JMMCE), USA, Volume 9, no.1, pp.47-59, 2009.
10. Veeresh Kumar.G.B, C.S.P.Rao, **Bhagyashekar.M.S**, Selvaraj.N "Mechanical and Tribological Behaviour of Al7075-Al<sub>2</sub>O<sub>3</sub> Composites", Journal of Manufacturing Engineering, Volume-4, Issue – 2, 2009.
11. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, " Wear Resistance Assessment of Al6061-SiC Composites using Wear Endurance Index", Proceedings of an "International Conference on Materials, Mechanics and Management (IMMM2010)", 14<sup>th</sup> to 16<sup>th</sup>, January, 2010, at College of Engineering Trivandrum, Tiruvananthapuram, Kerala.
12. C.R.Prakash Rao, **M. S. Bhagyashekar**, and Narendra Viswanath, "Investigative Studies on Machining of En8 Steel Brazed Cutting Tools an Experimental Approach" National Conference, AME - 09, 30<sup>th</sup> – 31<sup>st</sup> March 2009, Don Bosco Institute of Technology, Bangalore.
13. C.R.Prakash Rao, **M. S. Bhagyashekar**, and N.Nagaraja," Influence of Back Rake Angle on Forces and Chip Thickness Ratio- Experimental Approach" National Conference, AME - 09, 30<sup>th</sup> – 31<sup>st</sup> March 2009, Don Bosco Institute of Technology, Bangalore.
14. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, "Studies on Physical & Tribological Properties of Al6061-SiC Composites", proceedings of an International Conference and Exhibition on Total Engineering, Analysis and Manufacturing Technologies (Team Tech 2009) 19<sup>th</sup> to 21<sup>st</sup> Nov 2009, at Jnana Jyothi Auditorium, Bangalore University, Bangalore, India.
15. Veeresh Kumar.G.B, C.S.P.Rao, **Bhagyashekar.M.S**, Selvaraj.N "Mechanical and Tribological Behaviour of Al7075-Al<sub>2</sub>O<sub>3</sub> Composites", proceedings of the International Conference on Recent Advances in Materials Processing Technology (RAMPT'09) February 25<sup>th</sup> – 27<sup>th</sup>, 2009, National Engineering College, K.R. Nagar, Kovilpatti, Tamil Nadu, India.
16. **Thanuj Kumar M.**, Raghavendra .N, "Design and Fabrication of Semi Automatic Robot used in Multi - Storey car parking", at National Conference on "Recent Trends in Mechanical Engineering, RTME '09, Vemana .I .T, Bengaluru held on 23<sup>rd</sup> & 24<sup>th</sup> November 2009.
17. **Thanuj Kumar M.**, Raghavendra .N, "Simulation of Tribosystems and Tribometry", at National Conference on "Recent Trends in Mechanical Engineering, RTME '09, Vemana .I .T, Bengaluru held on 23<sup>rd</sup> & 24<sup>th</sup> November 2009.
18. Shivarudraiah .S, **Suresh. R**, "**Study of microstructure and Hardness of Equal Channel Angular Extruded 7075Al Alloys**" – Journal of Manufacturing Engineering, RAMPT-2009 at National Engineering College, Kovilpatti, Tamilnadu.

19. **M. S. Bhagyashekar**, Kavitha & R. M. V. G. K. Rao “Studies on Rheological and Physical Properties of Metallic and Non-metallic Particulate Filled Epoxy Matrix Composites”, **Journal of Reinforced Plastics and Composites**, on line First Nov – 2008.
20. **M. S. Bhagyashekar**, R. M. V. G. K. Rao “Studies on Mechanical Properties of Metallic and Non-metallic Particulate Filled Epoxy Matrix Composites”, **Journal of Reinforced Plastics and Composites**, on line First Nov – 2008.
21. Veeresh Kumar.G.B, C.S.P.Rao, **Bhagyashekar.M.S**, Selvaraj.N “Mechanical and Tribological Behaviour of Al6061-SiC<sub>p</sub> Composites”, proceedings of the International Conference on Recent Trends in Materials and Mechanical Engineering (ICMM2008) 18<sup>th</sup> – 20<sup>th</sup> December 2008, Dr.Mahalingam College of Engineering and Technology, Pollachi, Tamil Nadu, India.
22. Veeresh Kumar.G.B, C.S.P.Rao, **Bhagyashekar.M.S.**, Selvaraj.N “Mechanical Properties of Particulate Reinforced (Al6061-Al<sub>2</sub>O<sub>3p</sub> and Al7075-SiC<sub>p</sub>) Composites”, proceedings of the International Conference on Micro Electro Mechanical Systems (MEMS - 08) 22<sup>nd</sup> – 23<sup>rd</sup> October 2008, Anjuman Engineering College, Bhatkal, Karnataka, India.
23. C.R.Prakash Rao, N. Nagaraj, **M.S Bhagyashekar**, “Effect of Back Rake Angle On Cutting Force And Surface Finish In Turning Application” Proc. of Nat. Conf. ETIME, BMS College of Engineering, Bangalore Aug 28-29, 2008.
24. Shivarudraiah .S, Suresh. R, “Grain refinement and mechanical properties of Al7075 alloy by equal channel angular extrusion” – International conference on Composites/NANO Engineering (ICCE-16), Vol.5 No.4, July 20-26, 2008 in Kunming, CHINA. (World Journal of Engineering)
25. Shivarudraiah .S, Suresh. R, “**Effect of severe plastic deformation on mechanical properties of Al 7075 alloy**” –**International Journal of Emerging Technologies in Engineering, Technology and Science (IJ-ETA-ETS), 2008, AES journal.**
26. Shivarudraiah .S, Suresh. R, “Effect of Equal Channel Angular Pressing (ECAP) on the Super Plastic Behavior of 7075Al Alloys” –**International Journal on Mechanical & Automobile Engineering (IJMAE)**, 2008.
27. Shivarudraiah .S, **Suresh. R**, “The influence of the equal channel angular pressing on the super plastic behaviors of Aluminium alloy”, Emerging materials and Technologies for India-2020, Tiruchirappalli-620015. 2008.
28. Shivarudraiah .S, **Suresh. R**, “Effect of Equal channel Angular Pressing on Micro structural and Mechanical properties of 7075 Aluminum Alloy”, Recent Trends in Mechanical Engineering Sciences “RTIMES-2008”. SSIT, Tumkur-572105, 2008.
29. Shivarudraiah .S, **Suresh. R**, “Microstructure and Hardness of Equal Channel Angular Extruded Al6061 Alloys”, TEAMTECH-2008, IISC, Bangalore-04, 2008.
30. Shivarudraiah .S, **Suresh. R**, “Study on effect of severe plastic deformation on the super plastic behavior of aluminium alloy (7075)”, Application of FEM in Mechanical Engineering. The Oxford College of Engineering, Bangalore-68, 2008.
31. Venkatesh B.N. & **M. S. Bhagyashekar**, “Residual Stress Analysis of Single Pass Butt Joint Welded Plate Using ANSYS”, National Conference on Challenges in 2020-Mechanical Engineering Perspective, AVS College of Engineering, Mannampandal, Mayiladuthurai, TN, India, 14, 15 March 2008.
32. **M.S. Bhagyashekar**, R M V G K Rao, “Effects of material and test parameters on the wear behaviour of particulate filled composites Part I: SiC-Epoxy and Gr-Epoxy composites”, JRPC. Nov 2007.
33. **M.S. Bhagyashekar**, R M V G K Rao, “Effects of material and test parameters on the wear behaviour of particulate filled composites Part II: Cu-Epoxy and Al-Epoxy composites”, JRPC, Nov 2007.
34. **Thanuj Kumar .M**, M. A. Md. Aqhil Ahmed, S. K. Patel, “Finite Element Estimation of Fracture Parameters for Functionally Graded Materials”, at International Conference on Advanced Design & Manufacturing, ICADM-2007, Madurai, Tamil Nadu, held on 09<sup>th</sup> to 11<sup>th</sup> August, 2007.
35. Shivarudraiah .S, **Suresh. R**, “Performance Analysis on Array of circular fins through forced convection”, Engineering Design & Analysis Forum, M.S Ramaiah Memorial Auditorium, Bangalore, 2007.
36. Shivarudraiah .S, **Suresh. R**, “Effect of thermal aging on machining characteristics of aluminum based hybrid composites”, National Institute for Interdisciplinary Science & Technology CSIR, Trivandrum, 2007.
37. Shivarudraiah .S, **Suresh. R**, “Study on Effect of severe Plastic Deformation on Alluminium alloy”, 52<sup>nd</sup> Congress of ISTAM, B.N.M. Institute of technology-Bangalore-70, 2007.

38. Shivarudraiah .S, **Suresh. R**, "Evaluation of Mechanical properties of Aluminum 7075 based hybrid composites", Global conference on Production and Industrial Engineering held at Dr. BR Ambedkar NIT, Jalandhar, Punjab, 2007.
39. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, "Evaluation of Effective Elastic Modulus SiC/SiC CMC System without cracks", NCRMA-2005, 18-19 Feb.2005, NIT Rourkela.
40. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, "Thermal Expansion behavior of Alumina/SiC CMC System with cracks at Elevated Temperatures", NATCON.ME-2005, 11-12 March 2005, GCE, Ramanagaram.
41. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, "Evaluation of Apparent Elastic Moduli for Mulite/Alumina Ceramic Matrix Composites Using Finite Element Method", 50th Congress of ISTAM (IIT Kharagpur), An International Meet, 27-30 Dec. 2005, NIT Rourkela.
42. **Raghuthama Rao**, "Electron Beam Welding and its applications in ISRO - An Overview", an invited paper in DAE-BRVS Symposium on EBW and applications held at BARC, Mumbai Sept 2005.
43. **Raghuthama Rao**, Gangadhar.D. "Salvage of high value Ti alloy spacecraft propellant tank EB Welding", in IWS 2K5 Symposium held at Hyderabad in Feb 2005.
44. Shivarudraiah .S, **Suresh. R**, "Optimization of College bus Routes", 37<sup>th</sup> ORSI Annual Convention, Ahmedabad, Gujarat, 2005.
45. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, Lokesh .G, "Evaluation of Effective Elastic Modulus of fiber reinforced CMCs without cracks" NACAMES-04, 24-25 Sept. 2004, SSIT, Tumkur.
46. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, M. R. Shiva Kumar, "Evaluation of Effective Elastic Modulus of fiber reinforced CMCs with cracks", 49th Congress of ISTAM (IIT - Kharagpur), An International Meet, 27-30 Dec. 2004, NIT Rourkela.
47. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, M. R. Shiva Kumar, "Evaluation of Effective Coefficient of Thermal Expansion of fiber reinforced CMCs without cracks", NATCON.ME-2004, 12-13 March 2004, MSRIT, Bangalore.
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49. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, "Thermal Effect on Effective Elastic Modulus for Alumina/SiC CMC System with varying Crack densities", DESCON-2004, 19-20 Nov.2004, MSRIT, Bangalore.
50. **M.S. Bhagyashekar**, C.S. Ramesh, Saleemkhan, "Preliminary studies on stress corrosion failure of Al alloy-SiC composites", National conference on Mechanical Engineering, NATCN.ME-2004, MSRIT, Bangalore, Mar. 2004.
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54. **M.S. Bhagyashekar**, C.S. Ramesh, "Tool wear during turning of MMCs", National Seminar on Liquid crystals, Polymer and composites organized by Ghousia College of engineering, Ramanagaram, Sept. 18<sup>th</sup> – 20<sup>th</sup> 2003.
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56. **M.S. Bhagyashekar**, C.S. Ramesh, A. Ramachandra "Surface Roughness studies on Al-12.5%Si alloy-SiC/graphics/CaF<sub>2</sub>", Proc. of International Conference on Manufacturing, Dhaka, August (2002), 21
57. **M.S. Bhagyashekar**, C.S. Ramesh, A. Ramachandra & Chandrashekar, "Wear Characteristics H.S.S. cutting tool during Turning operation of cast Al alloy - SiC/Gr Composites", Proc. of 2<sup>nd</sup> International Conference on Industrial Tribology, Hyderabad. India Dec. (1999) 306
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62. M.A. Murtaza, "Railway Air Brake Simulation: An Empirical Approach", Intl. Journal of Rail & Rapid Services, pp 51-56, Vol.207, Number F1, 1993.
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## COMPUTER SCIENCE & ENGINEERING

1. Pradeep.B.S, Soumya.S, "*A New Approach for Load Balancing and QoS in On Demand Protocols– In the MANET's Perspective*". Int. J. Advanced Networking and Applications, Volume: 01, Issue: 04, Pages: 275-281 (2010).
2. Pradeep.B.S, Mrs. Soumya- "*Load Balancing & QoS in MANET Protocols*", International Conference on Convergence of science & Engineering in education & Research, (Proceedings- ICSE-2010, ITS3, page no: 216) April 21-23, 2010, DSI, Bangalore.
3. Pradeep.B.S, Dr. Y.S. Kumarswamy- "*Dynamic service management during dynamic channel allocation for user demanded packet optimality*", International Conference on Convergence of science & Engineering in education & Research, (Proceedings- ICSE-2010, ITS15, page no: 223) April 21-23, 2010, DSI, Bangalore.
4. Pradeep. B.S, Chandrashekar. V- "*Data gathering and aggregation in wireless sensor networks from energy efficient Leach protocol perspective*", International Conference on Convergence of science & Engineering in education & Research, (Proceedings- ICSE-2010, VR3, page no: 244) April 21-23, 2010, DSI, Bangalore, India.
5. Pradeep.B.S, Vasanth.G- "*Dynamic service management during dynamic channel allocation for user demanded packet optimality*", Inter National conference on Systemics, Cybernetics & Informatics, (Proceedings ICSCI-2010, Id: CI-3.5, pages: 307-312), 27<sup>th</sup> -30<sup>th</sup> Jan 2010, Pentagram Research Center Pvt. Ltd. Hyderabad, A.P.
6. Pradeep.B.S, Vasanth.G- "*Dynamic channel allocation for user demanded packet optimality- focus on network initialization procedure*", Inter National conference on Systemics, Cybernetics & Informatics, (Proceedings ICSCI-2010, Id: CI-4.1, pages: 313-318), 27<sup>th</sup> -30<sup>th</sup> Jan 2010, Pentagram Research Center Pvt. Ltd. Hyderabad, A.P.
7. Pradeep.B.S, Soumya.S, "*Dynamic channel allocation for user demanded packet optimality-Focus on network initialization procedure*" Int. J. Advanced Networking and Applications, Volume: 01, Issue: 03, Pages: 181-187 (2009).
8. Pradeep.B.S- "*Dynamic service management during dynamic channel allocation for user demanded packet optimality*", National conference on Applications in Real Time Systems(Proceedings NAC-ARTS-ALMANAC-09, Volume -4, 11), 2-3, November 2009, DSI, Bangalore.
9. Pradeep.B.S, Mrs. Soumya S- "*Load Balancing & QoS in MANET Protocols*", National conference on Applications in Real Time Systems(Proceedings NAC-ARTS-ALMANAC-09, Volume -4, 20), 2-3, November 2009, dept. of PG center , DSI, Bangalore.
10. Pradeep.B.S, Vasanth.G- "*Dynamic service management during dynamic channel allocation for user demanded packet optimality*", National conference on Knowledge science & Information retrieval, (Proceedings KSIR-09, 92-97), 9-10 October 2009, Atria IT, Bangalore.
11. Pradeep.B.S, Vasanth.G, Soumya.S- "*Security for mobile coding*", National conference on Knowledge science & Information retrieval, (Proceedings KSIR-09, 108-112), 9-10 October 2009, Atria Institute of Technology, Bangalore.



12. Pradeep.B.S, Vasanth.G- “Dynamic channel allocation for user demanded packet optimality- focus on network initialization procedure”, National conference on Mobile & Pervasive computing, (Proceedings NCMPC-09, Id: P27, 112-118), 16-17 September 2009, NMAM IT, Nitte, Udupi.
13. Pradeep. B.S, Soumya. S, Vasanth, G.Venugopal A.G – “Security in Java2 Micro Edition using MIDlet”, International Conference on Computer Networks & Security, ICCNS08, (Proceedings- Network Security, NS08, 35-43) September 27-28, 2008, VIT, Pune, India.
14. Pradeep.B.S, Soumya. S- Divya.T.L- “Packet stream monitoring and avoidance of congestion from TCP Vegas standards”, National Conference on E-governance & its applications (Proceedings 46), 27-28 November 2008, dept. of PG center, DSI, Bangalore, Karnataka.
15. Pradeep B.S, Soumya. S, N.Bindhu- “Elliptical curve based on cryptography”, Infomatrix-2008, (Proceedings CD kit) 12th May, National Conference on Advances in Emerging Information Technology, DBIT, Bangalore, Karnataka.
16. Pradeep B.S, Vasanth. G, Chethan. S- “Biometrics Applications”, Infomatrix-2008, (Proceedings CD kit) 12<sup>th</sup> May, National Conference on Advances in Emerging Information Technology, DBIT, Bangalore, Karnataka.
17. Pradeep B.S, Vasanth. G- “Parallel Processing of Genetic algorithm on MPI with practical comparison”, Infomatrix-2008, 12<sup>th</sup> May, National Conference on Advances in Emerging Information Technology, DBIT, Bangalore, Karnataka.
18. Pradeep B.S, N. Bindhu- “Dynamic channel allocation for user demanded packet optimality”, Tantrakala- 3<sup>rd</sup> May-2008, First national level technical paper presentation, DBIT, Bangalore, Karnataka.
19. Pradeep B.S, Chethan. S- “Network Initialization & entry process in 802.16 MAC”, Tantrakala- 3<sup>rd</sup> May-2008, First national level technical paper presentation, DBIT, Bangalore, Karnataka.
20. Pradeep B.S, N.Bindhu- “Applications of Neural Networks: Oral presentation: Knew 25<sup>th</sup> October 2007. A National level technical symposium, CIT, Gubbi, Tumkur, Karnataka.
21. Pradeep B.S, Yashwanth Kumar-“Radio Frequency Identification”, Oral presentation: Knew 25<sup>th</sup> October 2007. A National level technical symposium, CIT, Gubbi, Tumkur, Karnataka.
22. Pradeep B.S, Vasanth.G, Soumya pradeep- “Artificial Intelligence Applications”, Poster presentation: National Conference on Information systems & Computer engineering, (Proceedings 157-162), 5-6 October 2007, R.V.College of Engineering, Bangalore, Karnataka.

## ELECTRICAL & ELECTRONICS ENGINEERING

1. AMISHA of VII sem EEE. Stood FIRST in National Level Technical Symposium, “LIVE WIRE” 10-11, held on 07 September 2010, KCT in Coimbatore. Project presentation. : “HIGHLY SENSITIVE NANO GAS SENSORS.”
2. AMISHA OF VI sem EEE undergone Vocational Training at NTPC-Kahalgaoon From 18-01-2010 to 30-01-2010.

## INFORMATION SCIENCE & ENGINEERING

2010 – 11

1. **R.Balakrishna**, Dr.U.Rajeswara Rao, Dr.N. Geethanjali, “Multicast Performace Issues in Wireless Mobile Ad hoc Networks”, International Journal of Computer Science and Network Security, **Accepted**.
2. **R.Balakrishna**, Dr.U.Rajeswara Rao, Dr.G.A.Ramachandra, “Performance issues on Mobile adhoc network routing Protocols”, Journal computer science and Engineering, **Accepted**.
3. **R.Balakrishna**, Dr.U.Rajeswara Rao, Dr.N. Geethanjali, “Performance Analysis of AODV and TORA Routing Protocol”, International Journal of Computer Science and Information Technology, **Accepted**.
4. **R.Balakrishna, Dr.Pradeep**, Dr.U.Rajeswara Rao, **Dr.M.S.Bhgyashekar, S.Vijayanad**, “Performance issues on AOMDV, SAODV, DSDV in MANETS”, International Journal of Computer Science and Engineering, **Accepted**.
5. **R.Balakrishna**, Dr.U.Rajeswara Rao, Dr.N.Geethanjali, **Dr.M.S.Bhagyashekar** “Performance Analysis of AODV and AOMDV Routing protocol”, International Journal of Information Technology, vol 3 Issue no2 Page 126-132 July 2010.

6. **R.Balakrishna** , Dr.U. Rajeswara Rao, Dr.N.Geethanjali, **Dr.M.S.Bhagyashekar** “Performance issues on AODV and AOMDV for MANETS”, (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 1 (2) , June 2010, 38-43
7. **R.Balakrishna**, Dr.U.RajeswaraRao, Dr.N.Geethanjali, **Dr.M.S.Bhagyashekar**, “Trust Based routing Security in MANETS”, International Journal of Computer science and Information Technology. Issue 3, Vol 4, 547-553 , Feb 2010
8. **R.Balakrishna**, Dr.U.Rajeswara Rao, **Jyabalan S**, Dr.T.K.Basak, Dr.Cyrilraj “Performance analysis of AODV and DSDV Routing protocol”, Journal of Theoretical and Applied Information Technology, Vol 17 No.2 July 2010.
9. **R.Balakrishna**, Dr.U.Rajeswara Rao, Dr.G.A.Ramachandra, Murali mohan Reddy”, Improved reliability in double coverage broad casting”, in Journal of computer science, Karpagam university, Vol 3, Issue 6, Page 1611-16117 May –June-2010.

#### 2009 -10

10. **R.Balakrishna**, Dr.U.Rajeswara Rao, Dr.G.A.Ramachandra “Reliability in MANET’s Using Enhanced Double Coverage Broadcasting”, International Journal of Advanced Networking and Applications, Dec 2009.
11. **R.Balakrishna**, Dr.U.Rajeswara Rao, Dr.N. Geethanjali, **Dr.M.S.Bhagyashekar** “*Reliability in MANET’s Using Double Coverage Broadcasting (DCB)*”, International Journal of Computer science and Communication, June 2009.
12. **R.Balakrishna**, Dr.U.Rajeswara Rao, Dr.G.A.Ramachandra, **Dr.M.S.Bhagyashekar** “*Comparisons of SAODV and TAODV, DSR Mobile ad hoc network Routing Protocols*”, International Journal of Computer Applications and Networking (IJANA), Issue 1, Vol.4, 347-353, May 2010
13. **R.Balakrishna**, Dr.U.Rajeswara Rao, IEEE Advanced Computing Conference in “*Routing Misbehavior Detection in MANET Using 2ACK*”, at <http://iacc.co.in>, Thapur University, Patiala Nov 2009.

#### 2008 -09

14. **R.Balakrishna**, Dr.U. Rajeswara Rao, Dr.N.Geethanjali “*Enhanced Secure Authenticated Key Exchange Protocol for Credential Services*”, in the IEEE International Journal World Congress Science and Engineering Technologies”, France, Lavna. Nov 22-24, 2008.
15. **R.Balakrishna**, Dr.U. Rajeswara Rao, Dr.N.Geethanjali “*A secured authenticated key exchange protocol for credential services*”, Defense Science Journal 2008, Page 120-129.
16. **R.Balakrishna** ,Sreekanth P D, Geethanjali N, Sreedevi P D, Shakeel Ahmed, “*Efficacy of Support Vector Regression prediction model*”, International Journal of Advanced Computer Engineering 2008.
17. **R.Balakrishna**, Dr.U.Rajewara Rao, Dr.K.C.Shet, “ *Development of Scheduler for Real Time and Embedded System Domain*”, in digital library at IEEE AINA-2008 International Conference, JAPAN,. The details about the conference is available at <http://www.aina-conference.org/2008/>
18. **R.Balakrishna**, Dr.U. Rajeswara Rao, Dr.N.Geethanjali, “*Video Conferencing on Mobile Ad-hoc Network*”, in 2nd International Conference ICCR2008, Page298-305.www.cogrec.org.
19. **R.Balakrishna**, Dr.U. Rajeswara Rao, Dr.N.Geethanjali “*A secured authenticated key exchange protocol for credential services*”, in 3rd International conference ICACCT- 008, Page 120-129,www.iiitindia.org/icacct2008.
20. **R.Balakrishna**, Dr.U.Rajeswara Rao, Dr.N. Geethanjali ” *A secure key Exchange protocol for credential services*”, in 4th IEEE International Conference 2008 at <http://iccan.chetindia.ac.in/>, Kannur, Tamil Nadu.
21. **R.Balakrishna**, Dr.U. Rajeswara Rao, Dr.N.Geethanjali “*Detection of Routing Misbehavior in Mobile Ad Hoc Networks*”,in National Conference Tantraganana 2008 on 25-26th Sept 2008,at GSSSIE, Mysore.
22. **R.Balakrishna**, Dr.U. Rajeswara Rao, Dr.N.Geethanjali “*Internet Content Filter Ad-hoc Network on IXP1200*”, National Conference in TECHNOVATION2008, Page no 98-106.

#### CIVIL ENGINEERING

1. R.shivashankar, M.R.Dheerendra Babu, S.Nayak, R.Manjunath “*Stone Columns with vertical circumferential Nails: Laboratory Model Study*” International Journal of Geotechnical Studies (Accepted), Springer publications.

## MATHEMATICS

1. Pandurangappa.C , Venkatachalapa, M. and Lakshminarayanachari K. “Effect Of Mesoscale Wind On The Pollutant Distribution Emitted From An Area Source Of Primary And Secondary Pollutants With Removal Of Pollutants By Gravitational Settling And Leakage Velocity” International Journal of Environmental Studies (Accepted)
2. Pandurangappa.C , Venkatachalapa, M. and Lakshminarayanachari K. “Effect Of Mesoscale Wind On The Pollutant Emitted From A Time Dependent Area Source Of Primary And Secondary Pollutants With Chemical Reaction” Journal of Atmospheric Science (Accepted)
3. E Nanjundappa and H N Prakash, “The Onset of Brinkman-Bernard Ferro convection in a Saturated Porous Layer with Internal Heat Generation”, proceedings of IMECE10 2010 ASME International Mechanical Engineering Congress & exposition November 12-18,2010, Vancouver, British Columbia, Canada.
4. Pandurangappa C and M Venkatachalappa, Presented a paper in the International Conference on “Mesoscale Processes in Atmosphere, Ocean and Environmental Systems” held at IIT Delhi during 14<sup>th</sup> -17<sup>th</sup> Feb-2006.
5. Pandurangappa C and M Venkatachalappa Presented a paper in the International Conference on “Mathematical Fluid Dynamics” held at Department of Mathematics and Statistics, University of Hyderabad during December 2-7, 2004.
6. Pandurangappa C and M Venkatachalappa presented a paper in the International Conference on “Frontiers in Fluid Mechanics (ICFFM-2009) held at Department of Mathematics, Bangalore University, Bangalore during August 31<sup>st</sup> to September 2-2009.
7. Pandurangappa C and M Venkatachalappa, Presented a paper in the International Symposium on “Advances in Fluid Mechanics” held at UGC-CAS in Fluid Mechanics, Department of Mathematics, Bangalore University, Bangalore on 21<sup>st</sup> and 22<sup>nd</sup> June- 2004.
8. Pandurangappa C and M Venkatachalappa, Presented a paper in the National Conference on Advances in Fluid Mechanics held at Department of Mathematics, Gulbarga University, Gulbarga on 5<sup>th</sup> and 6<sup>th</sup> Feb-2004

## PHYSICS

1. B. Siddaligappa, presented a paper in the International Conference in New Delhi “*Alfven gravity Waves in Double Diffusive Stratified Fluid*”, Dec 1985.
2. B. Siddaligappa, presented a paper in the International Conference in Mangalore,”*Alfven gravity Waves in Stratified Fluid*”, Dec 1984.
3. B. Siddaligappa, presented a paper in the International Conference in visak, “*Gravity Waves in a Double Diffusive Stratified Fluid Porous Medium*”, Dec 1983.
4. B. Siddaligappa, presented a paper in the International Conference in Kolkota “*Gravity Waves in a Stratified Porous medium*, Dec 1982.
5. B. Siddalingappa, *Alfven Gravity waves in a stratified fluid* “Arabian journal of science and Engg. Sauli Arabia
6. B. Siddalingappa, “*Alfven gravity waves in a double diffusive stratified fund*” Arabian journal and Engg, sandi Arabia

## CHEMISTRY

1. 2010-11 – Dr. Himani Bhatia & Mr Ramesha S. attended one day workshop on Recent Advances in Electrochemical and Surface Science & Engineering in BNMIT Bangalore on 26th August’10.
2. 2009-10 - Dr. Himani Bhatia attended National Conference on “Recent Advances in Chemical Sciences” at Jain College of Engg, Bangalore from 22-23 Jan ’10.
3. Himani Bhatia, P.K. Gupta and P.L.Soni, presented in National Symposium on Recent Advances in Science “*The family leguminosae - Rich source of galactomannans*”, A Prospective at Dolphin (P.G) Institute of Biomedical and Natural Sciences, Dehradun 3-5 June, 2005.
4. Himani Bhatia, P.K. Gupta and P.L. Soni presented at XX Carbohydrate Conference “*Prosopis juliflora* (Sw.) DC. as a promising source of galactomannan polysaccharide”, held at Lucknow from 24-26 November, 2005.

5. P.L.Soni, Himani Bhatia and P.K. Gupta, presented at National Workshop on Conservation and Sustainable Utilization of Lesser known Tree species held at Forest Research Institute Dehradun "*Prosopis juliflora* (Sw.), DC.- A valuable weed of arid zone", from 8-10 March, 2004.
6. Himani Bhatia, Vikas Rana, P.K. Gupta and P.L. Soni, presented at XIX Carbohydrate Conference held at Forest Research Institute, "*Bioactive plant* December, 2004.

## MANAGEMENT STUDIES

1. Dr. Dinakar. G, Retail Banking In India, RNSIT, Bangalore, Feb 2010
2. Dr. Dinakar. G, Retail Marketing, SSIMS Tumkur, Nov 2009
3. Dr. Dinakar. G, Mergers and acquisitions, SSIMS Tumkur, Nov 2009
4. Dr. Dinakar. G, Network Information Security, Dayananda Sagar Institution, Nov 2009
5. Dr. Dinakar. G, Student support service & Progression – Institutional Commitment, S.Nijalingappa College, Jan 2006
6. Dr. Dinakar. G, Financial Management Computational Techniques, Dayananda Sagar Institution, Dec 2006
7. Dr. Dinakar. G, Outsourcing of Myths and Realities, Andhra University, Dec 2006
8. Dr. Dinakar. G, Risk Management in Banks, International Seminar – Delhi University, Dec 2006
9. Dr. Dinakar. G, Problems and Prospects of Rural Entrepreneurship, Urumu Dhanalakshmi College, Nov 2004
10. Ms. Madhumathy. K, A conceptual study on Ethical leadership ,MLA college, Malleswaran, Feb 2010

## COMPUTER APPLICATION

1. Dr. D. K. Venkatalakshmi, "Stability of the melt during the solidification of a binary alloy".
2. Dr. D. K. Venkatalakshmi, "Stability of the porous melt during the solidification of a binary alloy in the presence of a vertical magnetic field".
3. Dr. D. K. Venkatalakshmi, "The effect of coriolis force on the stability of the melt during the solidification of a binary alloy".
4. Dr. D. K. Venkatalakshmi, "The effect of porosity and corolis force on the stability of the melt during the solidification of a binary alloy".
5. Dr. D. K. Venkatalakshmi, "The effect of rotation and the Hydro magnetic stability of the melt during the solidification of a binary alloy".
6. Dr. D. K. Venkatalakshmi, "The effect of permeability on systems coupled with thermal convection and solidification".
7. Dr. D. K. Venkatalakshmi, Presented a paper entitled "The Effect of surface of curvature and property variation on cellular convection in a porous layer" at the 36<sup>th</sup> congress of ISTAM, Indian Institute of Technology, Bombay during December 1991.
8. Dr. D. K. Venkatalakshmi, Presented a paper entitled "The Effect of Rotation on the Hydro magnetic Stability of the melt during the Solidification of a Binary Alloy" at the 37<sup>th</sup> ISTAM held at PATNAGAR, NAINITAL during December 1992.
9. Dr. D. K. Venkatalakshmi, Presented a paper entitled "The study of convective instability in the presence of solidification in a porous medium" at the 80<sup>th</sup> session of ISCA, held at Goa during January 1993.
10. Dr. D. K. Venkatalakshmi, Presented a paper entitled "The effect of permeability on systems coupled with thermal convection and solidification" at the 85<sup>th</sup> session of ISCA held at Hyderabad during January 1998.
11. Dr. D. K. Venkatalakshmi, "MHD stability of the porous melt during the solidification of binary alloy" at international conference of ISTAM held at BNM Institute of Technology, Bangalore on December 2008.
12. Dr. D. K. Venkatalakshmi, The effect of corolis force on the stability of melt during the solidification of the binary alloy presented National Women Science Congress held at Bijou, November 2008.
13. K.N.Bhanu , Dr.Y.S.Kumaraswamy ,Prof.S.Siddaraju, "Effective implementation of E-Governance using Advanced Information and Communication Technologies", in International Conference on Advanced Computing and Communication Technologies for High Performance Application , FISAT 2008,India.
14. K.N.Bhanu, Dr.R.S.D.Wahida Banu, "WiMAX- an enhancer for effective Implementation of e-Governance in India", in National Women's Science Congress – 2008, Bijapur, India.
15. K.N.Bhanu, Nandini Prasad K.S., Dinakar K.S., "Monitoring System for Traffic Congestion" National Conference on Information and Software Engineering-2010, ISBN: 978-93-80043-80-7.

16. Neha Singhal, Development of Method Engineering Life Cycle, National Seminar on recent strategies of management, technology & environmental control, Muzaffarnagar, (Uttar Pradesh) Feb 9th, 2008.
17. Neha Singhal, , Strengthening Anonimity in Anonymous remailers ,National Conference on Advance Computing & Communication Technology, Ghaziabad, (Uttar Pradesh) Feb 26th, 2010,
18. Neha Singhal, , Modelling a Data Warehouse , National Conference on Recent Trends in Informatiion Technology, jaipur, (Rajasthan) Feb 27th, 2010.