

**RESEARCH PAPERS BROUGHT OUT**  
**(April 2009 - March 2010)**

1. Tripathi G.R. (Dr) and Gupta I.D.(Dr) "Safety Criteria against Blast Vibrations for Structures in Green and Fully Cured", May 2009
2. Tripathi G.R. (Dr) and Shirke R.R. "Stability of Overburden Rock Mass during Tunnel Excavation by Blasting", First International Conference on Advances in Concret, Structural and Geotechnical Engineering, May 2009
3. Atkekar N.D., Joshi M.A. (Dr) and Kokate V.K. "Change Detection with Enhanced Angular Resolution" for possible publication in Int. Journal of Engineering Research and Industrial Application (IJERIA), June 2009
4. Hradaya Prakash. "Velocity Approach for Incipient Motion" for possible publication in ISH Journal, June 2009
5. Kudale M. D. "Coastal Erosion and Protection", National Workshop on Recent Trends in Costal and River Protection Works, Organized by Indian Society for Hydraulics (ISH) at CWPRS, June 2009
6. Kudale M.D. "Innovative Methods in Coastal Protection", National Workshop on 'Recent Trends in Costal and River Protection Works', Organized by Indian Society for Hydraulics (ISH) at CWPRS, June 2009
7. Bhosekar V.V. (Mrs), Sridevi M.I. (Mrs) and Chavan A.R. "Layout and Design of Sluice Spillways and Energy Dissipators for Exclusion of Sediments through Reservoirs" for possible publication in IAHR Journal, July 2009
8. Jagtap R.S. and Ramesh C. (Dr) "A logical extension of plotting positions of observed hydrologic events in Extreme Value Analysis" for possible publication in Hydrology Journal, August 2009
9. Mark Prabhakar V. (Dr), Vaidya S.P. (Mrs) (Dr), Garud V.S. and Swain K.K. "Trend of Primary Production in Khadakwasla Reservoir", 13th World Lake Conference, September 2009
10. Gupta I.D. (Dr) "Seismic Hazard Mapping Methodologies", International Conference on Earthquake Engineering, Banja Luka, Bosnia, 26-28 October 2009, pp. 55-101
11. Kerimani S.S., Singh M.N. and Khare P.K. "Siting a weir across river Damodar at Chandrapura - A case study", A National Specialty Conference on RIVER HYDRAULICS 2009, MMU, Ambala, Haryana, 22-30 October 2009
12. Ranganath L.R., Boorakrishna and Kanetkar C.N. "Numerical Model Studies for Prediction of Siltation near Outfall and Inner Canal of a Fishing Harbour – A Case Study", National Speciality Conference on river hydraulics at MM University, Mullana, Haryana during 22-30th October 2009
13. Shende V.J. (Mrs), Ramkrishna T.V.S. and Gupta I.D.(Dr) "A Non-Poissonian Recurrence Model for Large Magnitude Earthquakes in Central Himalayan Region", International Conference on Advances in Concrete, Structural and Geotechnical Engineering (ACSGE-2009), November 2009
14. Abdul Rahiman P.M., Murthy G.V.R. and Naidu M.S.R. "Application of FEM for Oil Hole Drilling in Twin Throw Crankshaft", National Conference on Fluid Mechanics and Fluid Power, November 2009
15. Sarma A.V. Sitarama and Kudale M.D. "Integrated change detection of Nethravathi spit complex, Mangalore, India using GIS Techniques", ICFAI University Journal of Environmental Sciences, Vol. III, No.4, pp. 7-19, November, 2009.
16. Ramarao V.S., Bhajantri M.R. and Pethe P.C. "Hydraulic model studies for Sewa-II Dam Spillway, Jammu & Kashmir - A Case", December 2009

17. Tripathi G.R. (Dr) and Shirke R.R. "Rock Excavation by Blasting - An Environmental Woe", National Conference on Current Trends of Research & Development in Civil and Environmental Engineering (CRDCE 10) : An Indian Perspective, December 2009
18. Ramesh U., Khare P.K. and Rajkumar G.A. "Model & Simulations of Tidal Circulations in Harbours" International Conference in Ocean Engineering, ICOE 2009, Indian Institute of Technology, Chennai, December 2009
19. Kamble R.K., Rani C.K. (Dr) (Mrs) and Panwalkar G.A. "Identifying Weak Zones Prone to Seepage at Dudhganga Masonry Dam by Nuclear Density Logging", HYDRO-2009, CWPRS, Pune, 17-10 December 2009
20. Vivekanandan N. and Mathew F.T. "Probabilistic Modelling of Annual Day Maximum Rainfall", HYDRO-2009, CWPRS, Pune, 17-10 December 2009
21. Sharma V.B., Singh A.K. (Dr), Agrawal J.D. (Dr) and Kanetkar C.N. "Methodology to study siltation in the harbour and approach channel", HYDRO-2009, CWPRS, Pune, 17-10 December 2009
22. Singh C.B. (Dr), Narayan Prasad and Anilkumar Bagwan. "Numerical investigation on Tidal Hydrodynamics at Kharo Creek", HYDRO-2009, CWPRS, Pune, 17-10 December 2009
23. Chaudhari M.S., Subba Rao Ch., Chandra Sekhar V., Sandeep Chauhan, Vivek Bagade and Wadhwa R.S. "Chirp Sonar Survey for Intake Channel of a Nuclear Power Project", HYDRO-2009, CWPRS, Pune, 17-10 December 2009
24. Rizwan Ali, Hanumanthappa M.S. and Shyamli Paswan. "2D Pseudostatic Stability Analysis of Gravity Dam in High Seismic Zone using Finite Element Method - A Case Study", HYDRO-2009, CWPRS, Pune, 17-10 December 2009
25. Patil B.M. (Dr), Manivanan R. (Dr), Kanetkar C.N. and Barve K.H. "Simulation of Shoreline Changes and Comparison with Prototype Behaviour", HYDRO-2009, CWPRS, Pune, 17-10 December 2009
26. Manivanan R. (Dr), Sanjay Nath Jha, Barve K.H. and Kanetkar C.N. "Simulation of Shoreline Changes to Assess Impact of Proposed Port", HYDRO-2009, CWPRS, Pune, 17-10 December 2009
27. Bhawe V.G. and Oak R.A. "Identification of Site for Inland Water Transport Terminal - A Case Study", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering HYDRO-2009, CWPRS, Pune, 17-10 December 2009
28. Jagtap R.S. and Mathew F.T. "Low Flow Analysis of Intermittent Streams - A Case Study of River Bhima at Daund", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering HYDRO-2009, CWPRS, Pune, 17-10 December 2009
29. Bhosekar V.V. (Mrs) and V. Jyothiprakash. "Application of Numerical Modelling to Spillway Aerator- A Review", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
30. Roman U.C., Deshmukh D.N. and Jatwa Sunita (Miss). "Assessment of Sedimentation in Girna Reservoir using Satellite Imageries- A Case Study", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
31. Roman U.C., Jatwa Sunita (Miss), Barodiya Virendra Kumar and Deshmukh D.N. "Assessment of Sedimentation in Panshet reservoir using satellite imageries - A case study", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
32. Deshmukh D.N., Roman U.C., Narasaiah S., Ali Syed Naveed and Barodiya Virendra Kumar. "Field studies for collection of tidal water level and velocity data in Panvel creek, Navi Mumbai", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009

33. Agrawal A.K., Sahu K.C. and Chavan B.S. "Hydraulic design of Irrigation Bye Pass Tunnel and Gates Sardar Sarovar Project Gujarat - A Case Study", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
34. Purohit A.A., Kulkarni S.P. and Kudale M.D. "Importance of Timely Completion and Maintenance of Rubblemound Breakwaters", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
35. Kulkarni B.S., K. Kumar and Farande K.U. "Improvisation in Hydraulic Design of Filter Effecting Energy Conservation", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
36. Singh C.B. (Dr), Manivanan R. (Dr) and Garde R.J. (Dr) "Modelling of Diffusion and Dispersion of Hot Water Discharge vis-à-vis hydrothermal Informatics", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
37. Rahiman P.M., Murthy G.V.R. and Naidu M.S.R. "Operation of Centrifugal Pumps - Some Critical Aspects", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
38. Burele S.A. and Deshmukh D.N. "Prediction bed level in river using HEC-RAS 4, Kosi River, A Case Study", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
39. Goel P.K., Bhonde K.G. (Mrs), Dagur R.K. and Chavan A.R. "Selection and use of water quality samplers", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
40. Purohit A.A., Kudale M.D. and Kulkarni S.P. "Timely construction and monitoring of breakwaters", National Conference, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
41. Sinha J., Gopikrishna B., Bagwan and Kanetkar C.N. "Study of 3D flow environment due to reclamation and dredging in a creek" HYDRO-2009, CWPRS, Pune, 17-10 December 2009
42. Bhosekar V.V. (Mrs), Sundar Lal B.S., Patnaik Sangeeta and Chavan A.R. "Studies for low level and low head orifice spillway - A case study", National conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, HYDRO-2009, CWPRS, Pune, 17-10 December 2009
43. Singh M.N., Kerimani S.S. and Khare P.K. "Studies for finalisation of alignments and adequacy of Guide bunds for bridges- case studies", National Conference on Hydraulics and Water Resources, Coastal and Environmental Engineering HYDRO-2009, CWPRS, Pune, 17-10 December 2009
44. Bhosekar V.V. (Mrs.), Jothiprakash V., Deolalikar P.B. and Chavan A.R. "Design parameters for aerator of deep seated orifice spillway", International Journal of ASCE Hydraulic Division, January 2010
45. Venugopal K. (Dr), and Sundar Lal B.S. "Application of a Groundwater Model to Basin BM 58-59 of Purandar Taluka, Pune District, Maharashtra for the Augmentation of Water Resources by Artificial Recharge Measure - A Case Study", Journal of Indian Water Resources Society, January 2010
46. Dhawan K.R. (Dr), Patil A.V. and Pillai S.J. "Determination of strength parameters of a Masonry Dam by Flat Jack method", Indian Geotechnical Journal, January 2010
47. Dhayalan S., M. Selva Balan, Bist Mahender Singh, Shailaja S. Desai (Mrs) and K. Subba Rao Murthy. "A Brief History of Development & Role of Automatic Tide Generating System in Physical Hydraulic Model", International Conference on Instrumentation (ICI-2009) & National Symposium on Instrumentation (NSI-34) Organised by Instrument Society of India and Indian Institute of Science, Bangalore, January 2010

48. Selva Balan M., Salunke S.B., Selvan S. and Bhavsar P.K. "Role of DGPS/GPS in Sedimentation Survey of Reservoirs", International Conference on Instrumentation (ICI-2009) & National Symposium on Instrumentation during 21-23 January 2010 Organised by Instrument Society of India, Indian Institute of Science, Bangalore, January 2010
49. Kannan S. and Subimal Ghosh "Generation of rainfall state in a river basin incorporating climate, International Association of Hydraulic Engineering and Research (IAHR)-APD 2010, January 2010
50. Srinivasan C., Wiily Y.A. and Gupta I.D. (Dr) "Estimation of local magnitude of rockbursts using strong motion accelerograms in the mines of Kolar Gold Fields, Acta Geophysica, Vol. 58(2), January 2009, pp. 300-316
51. Gupta I.D. (Dr) " Response Spectral Attenuation Relations for In-Slab Earthquakes in Indo-Burmese Subduction Zone, Soil Dynamics and Earthquakes, Vol.30, February 2010, pp. 368-377
52. Raghuram Singh Banotu and Singh M.N. "Prediction of water levels in rivers using physical and mathematical models" for possible publication in the Journal 'Instrument Society of India', February 2010
53. Raghuram Singh Banotu and Singh M.N. "Studies for improvement of flow conditions at proposed barrage across river Falgu" for possible publication in the ISH Journal, February 2010
54. Venugopal K. (Dr), Dhawan K.R. (Dr) and Pangavhane S.M. (Dr) "Aggregate suitability for a Concrete Gravity Dam with a Special Reference to AAR - A Case Study" for possible publication in the Indian Concrete Journal, February 2010
55. Venugopal K. (Dr), Basu A.K. (Dr), Vaidya S.P. (Mrs.) (Dr) and Pangavhane S.M.(Dr)"Ascertaining the Possibility of Spring Water in the Permanent Township area of NTPC, Kayamkulam, Kerala, India" for possible publication in the Journal of Indian Water Works Association (IWWA), Mumbai, February 2010
56. Venugopal K. (Dr), Bhavanarayana V. (Dr), Ramteke R.S. and Krishnaiah C.(Dr) "Electrical Resistivity Survey on the Left Branch Canal of High Embankment of Tungabhadra Dam, Miles 69,77 & 85, Karnataka State" for possible publication in the ISH Journal, February 2010
57. Raghuram Singh Banotu and Singh M.N., "Estimation of transmission losses in irrigation canals" for possible publication in the Institution of Engineers Journal, March 2010
58. Gaikwad D.T., "Hirakud Dam: A Dream Project of Dr. B.R. Ambedkar" for possible publication in the issue of Ashwattha Journal Published by YASHDA, March 2010
59. Kamble R.K., Panvalkar G.A. and Bhowmik S., "Electrical Resistivity Logging for Assessing Nature of Foundation at Kaiga Nuclear Power Plant" for possible publication in The Journal of Indian Geophysical Union, March 2010
60. Tripathi G.R. (Dr) and Shirke R.R., "Assessment of Safety of Earthen Dams Against Ground Vibrations Due to Mining Blast", Mine Tech 10 – Seminar on Mining Technology - Extraction, Beneficiation for Safe and Sustainable Development organized by Indian Mining and Engineering Journal in association with major mining organizations, R&D establishments and educational institutions during 07-08 May, 2010 at Bhubaneshwar
61. Katte K.V. (Mrs.), Naveed Ali S., Singh M.N. and Karnjekar Y.N., "Mathematical Model Studies for Assessing Flow Velocities to Protect Gas Pipeline Passing through Deep Channel of River", Journal of Institution of Engineers, March 2010
62. Kamble R.K., Panvalkar G.A., and Chunade A.D., "Mapping Seepage in Chute Channel of Bhama – Askhed Dam – A Case Study" for possible publication in the Bulletin of Engineering Geology and Environment Journal, March 2010
63. Kudale M.D. " Effect of Coastal Structures on Erosion and Need for Coastal Protection", Indo-Brazil workshop on Coastal Processes Modelling relevant to understanding censuses of shore line changes, organised by ICMAM, 23-25 March 2010, Chennai

64. Jha S.N., Manivanan R. (Dr) and Saptarshi P.G. (Dr), "Development of Mathematical Model for Determining Temperature of Lake Based on Climatic Variations and its Validation Using Measured Data", Ninth international conference on Hydro-Science and Engineering ICHE-2010, to be organized during 2-5 August 2010 at IIT Madras, Chennai (India)
65. Jha S.N., Manivanan R. (Dr) and Saptarshi P.G. (Dr), "Relationship and Impact of Climatic Factors with Coastal Environmental Parameters (Water Temperature, Dissolved Oxygen) due to Warm Water Discharge from a Proposed Power Plant", Ninth international conference on Hydro-Science and Engineering ICHE-2010, to be organized during 2-5 August 2010 at IIT Madras, Chennai (India)
66. Burele S.A. and Singh M.N., "Studies for Locating Bridges on Braided River", Ninth international conference on Hydro-Science and Engineering ICHE-2010, to be organized during 2-5 August 2010 at IIT Madras, Chennai (India)
67. Singh C.B., Prasad Narayan, Sharma V.B., Ragte S.S., "Stability of Tidal Model For Feasibility Study of Various Port Layouts at Gulf of Cambay" Ninth International Conference on Hydro-Science and Engineering, ICHE – 2010, to be organized during 2-5 August 2010 at IIT, Madras, Chennai
68. Narayan Prasad, S.S. Ragte, A.K. Bagwan and C.B. Singh, "Transient Analysis for the Head Race System of a Hydroelectric Project" Ninth International Conference on Hydro-Science and Engineering, ICHE – 2010, to be organized during 2-5 August 2010 at IIT, Madras, Chennai
69. Patil H.C., "Wave Attenuation in Artificially Dredged Channels for Ports", Ninth International Conference on Hydro-Science and Engineering, ICHE – 2010, to be organized during 2-5 August 2010 at IIT, Madras, Chennai
70. Malik K., Sonawane N.A. and Singh M.N., "Advantage of Natural Barrier in Locating Intake in River - An Example Study" Ninth International Conference on Hydro-Science and Engineering, ICHE – 2010, to be organized during 2-5 August 2010 at IIT, Madras, Chennai
71. Roman U.C., S. Naveed Ali, Singh M.N., and Suneeta Jatwa, "Assessing Safety against Floods for an Ash Pond Garlanded by Two Natural Streams", Ninth International Conference on Hydro-Science and Engineering, ICHE – 2010 to be organised during 2-5 August 2010 at IIT Madras, Chennai (India)

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