

## B . Research Papers Published in International Journals

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| 1.  | Bhunya, P.K, Singh, R. D., Berndtsson, R., and Panda, S. N., " Flood analysis using generalized logistic models in partial duration series", Journal of Hydrology, 420(21), 59-71, Elsevier, 2012.  |
| 2.  | Bhunya, P.K, Panda, S. N. and Goel, M. K., "Synthetic unit hydrograph methods: A critical review" , The Open Hydrology Journal, Bentham Science, 5(1-8), BSP-TOHYDJ-2009-4, 2011.   |
| 3.  | Darhsana, Duhan, Pandey, Ashish, Manfred, Ostrowski, and Pandey, R.P. , "Simulation and optimization for irrigation and crop planning: A case study." Journal of Irrigation and Drainage, John Willey 61 (2), 178-188, 2012.  |
| 4.  | Gupta, R.K., Mehta, Rama, Agarwal, V., Pant, B. and Sinha, P.P., "Study on ductility of Ti aluminide using artificial neural network", International Journal of Aerospace Engineering, Article ID 874375, 7 pages, 2011.  |
| 5.  | Jain S.K ., Lohani A.K., Singh , R.D., Chaudhary A. and Thakural, L.N. , "Glacial lakes and glacial lake outburst flood in a Himalayan basin using remote sensing and GIS", Natural Hazards, 1-13, 2012.  |
| 6.  | Jain, Sanjay K., Thakural, L.N., Singh, R.D., Lohani, A.K., and Mishra, S.K., "Snow cover depletion under changed climate with the help of remote sensing and temperature data." Natural Hazards, 58(3), 891-904, 2011.   |
| 7.  | Jain, Sanjay K., Goswami, A., and Saraf, A.K., "Assessment of snowmelt runoff using remote sensing and effect of climate change on runoff", Water Resources Management, 24(9), 1763-1777, 2011.   |
| 8.  | Jeyakanthan, V.S. and Sanjeevi, S., "Reservoir capacity estimation of Singoor reservoir, India, by per-pixel and sub-pixel processing of multi-date satellite images", Geo Carto International, 26(4), 305-320, 2011.   |
| 9.  | Kar A.K., Goel, N.K, Lohani A.K., Roy, G.P ., "Application of Clustering Techniques Using Prioritized Variables in Regional Flood Frequency Analysis – Case Study of Mahanadi Basin", Journal of Hydrologic Engineering, 17(1), 213-223, 2012.                              |
| 10. | Kar A.K., Winn L.L., Lohani A.K. and Goel, N.K., "A Soft Computing Based Workable Flood Forecasting Model for Ayeyarwady River Basin of Myanmar", Journal of Hydrologic Engineering, Online Available doi.http://dx.doi.org/10.1061(ASCE)HE-1943.1943, 2011.                |
| 11. | Kumar, Senthil A.R., Ojha, C. S. P., Goyal, Manish K., Singh, R.D. and Swamee, P. K., "Modelling of suspended sediment concentration at Kasol in India using ANN, Fuzzy Logic and Decision Tree Algorithms", Journal of Hydrologic Engineering, ASCE, 17(3), 394-404, 2012. |
| 12. | Mishra, K., Sharma, R.C., and Kumar, Sudhir, "Organochlorine pollutants in human blood and their relation with age, gender and habitat from North East India", Chemosphere, 85 (3): 454-464, 2011.  |
| 13. | Mishra, K., Sharma, Ramesh C., Kumar, Sudhir, "Contamination levels and spatial distribution of organochlorine pesticides in soils from India", Ecotoxicology and Environmental Safety, 76, 215-225, 2012.  |
| 14. | Ojha, C.S.P., Khobragade, S.D. and Adeloje, A. J., Estimating Air vapour pressure in a semi arid region using FAO -56 methodology", J. Irrigation and Drainage Engg. , ASCE., 137(8), 491-500, August 2011.   |

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| 15. | Pandey, A., Behra, S., Pandey, R.P. and Singh, R.P., "Application of GIS for watershed prioritization and management - A Case Study ", International Journal of Environmental Sciences Development & Monitoring, 2(1), 25-42, May 2011.                                     |
| 16. | Patra, J.P. , Mishra, A., Singh, R. and Raghuwanshi, N. S., "Detecting rainfall trends in twentieth century (1871 -2006) over Orissa State, India ", Climate Change, 111(3 - 4), 801-817, 2012.   |
| 17. | Purandara, B.K., Venaktesh. B. and Choubey, V.K., "Sediment transport and sedimentation in a coastal ecosystem- a case study", Journal of Materials and Geoenvironment, 58(3), 289 302, 2011.   |
| 18. | Samal, Nihar R., Papita Saha, Pankaj K. Roy, Malabika Biswasroy, Venkat Ramana, R. and Mazumdar, Asis, "Limnological analysis of an urban polluted lake in Bangalore city in India" International Journal of Desalination and Water Treatment, USA, 30(217-228), June 2011. |
| 19. | Sarkar Archana, Garg R.D., Sharma , Nayan, " RS-GIS Based Assessment of River Dynamics of Brahmaputra River in India", Journal of Water Resources and Protection , 4(2), 63-72,   |
| 20. | Satyaji Rao, Y.R., Krishna, B. and Nayak, P.C. , "Time series modeling in Water Resources Planning and Management", International Journal of Earth Sciences and Engineering, 4(6) SPL, October 2011.  |
| 21. | Shah B.A., Shah A.V., Singh R. and Patel N.B., "Reduction of Cr (VI) in electroplating wastewater and investigation on the sorptiv-e removal by WBAP," Environmental Progress & Sustainable Energy, 30(1), 59 69, 2011.   |
| 22. | Tyagi, J.V., Kumar,R., Srivastava, S.L. and Singh, R.D ., " Effect of Micro-Environmental Factors on Natural Regeneration of Sal (Shorea robusta )", Journal of Forestry Research, Springer publication, 22(4), 543-550, 2011.  |
| 23. | Venkatesh, B., Lakshman Na ndagiri., Purandara, B.K., Reddy, V.B., "Soil Water Fluxes under different land Covers – A Case Study from Western Ghats, India", International Journal of Earth Sciences and Engineering , 4(2), 268-278, 2011.                                 |

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| 24. | Arora, M. and Kumar, R., "Environmental Flow Requirement and its Assessment", Journal of Hydrologic Research and Development, 25(37-52), 2012.   |
| 25. | Goel, M.K. and Jain, Sanjay K., "Operation Analysis of Pandoh Reservoir under Different Climate Change Scenarios", Hydrology Journal of IAHR, Vol. 33 (Special issue), Jan – Dec 2010, 26–36 (Published in 2011).                  |
| 26. | Jain, Sanjay K., Jain, S.K., Hariprasad, V H. and Chaudhary, A., "Water balance study for a basin integrating Remote sensing data and GIS", Journal of the Indian Society of Remote Sensing, 39(2), 259-270, June 2011.            |
| 27. | Jaiswal, R.K., Thomas, T., Galkate, R.V. and Ghosh, N.C., "Geomorphology Based Nash Model for Watersheds in Sonar River Basin (M.P.)", Journal of Indian Water Resources Society, 31(3-4), 1-7, 2011.                              |
| 28. | Kalburgi, P.B., Shivayojimath, C .B. and Purandara, B.K., "Application of QUAL2K for Water Quality Modeling of river Ghataprabha (India)", Journal of Environmental Science and Engineering, 4(12), 6-11, 2011.                    |
| 29. | Krishan, Gopal , Rao, M.S. and Kumar, Bishm, "Instrumentation for measurement of isotopic composition of air moisture ", Journal of Instrument Society of India, 41: 217 - 220, 2011.  |
| 30. | Kumar, Sudhir, Halder S. and Singhal, D.C., "Groundwater Resources Management Through Flow Modeling In Lower Part Of Bhagirathi – Jalangi Interfluve , Nadia (WB), India", Journal Geological Society of India, 78(587-598), 2011. |
| 31. | Sharma S.K., Seth N.K., Tignath, S. and Pandey, R.P., "Use of Geographical Information System in Hypsometric Analysis of Watershed", Journal of Indian Water Resources Society, 31(3-4), 27-31, July-October 2011.                 |
| 32. | Thayyen R.J., "Defining "Himalayan catchment for better understanding of climate change impact on Himalayan glaciers and river flows ", Hydrology Journal , 33 (Special Issue), 49-58 (Published in 2011).                         |
| 33. | Tiwari, R. K., Rai, S.P., Kazi, N. and Kumar, Bishm, "Stream discharge analysis under different forest cover: A case study from paired micro - watershed of Garhwal Himalaya, India", India Forester, Dehradun, 137(7), 2011.      |
| 34. | Venkatesh B., Lakshman Nandagiri, Purandara, B.K., Reddy, V.B., "Modelling soil moisture under different land covers in a sub - humid environment of Western Ghats, India", Journal Earth System Science, 120(3), 387-398, 2011.   |

## D. Research Papers in International Conferences

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| 35. | Arora M., Kumar R., and Singh, R.D., "Climatic Scenarios Generation for Satluj Basin using Statistical Downscaling Techniques", International Symposium on Cryosphere and Climate Change, Manali, April 2-4, 2012.   |
| 36. | Arora, M., Kumar, R. and Singh, R.D., "Climate Change Impact on Water Resources", Indo Italian Workshop on Advances in Fluvial Hydraulics and Water Resources Development and Management, CWPRS Pune, September 15-16, 2011.   |
| 37. | Bhunya P.K., Singh, R.D., Berndtsson, R. and Kumar, Rakesh, "Effect on surface water resource due to climate change: Indian scenario", IAHS symposia at IUGG2011, Melbourne, Australia, 3-7 July, 2011.  |
| 38. | Bhunya, P.K., Singh, R. D., Berndtsson, R. and Kumar, R., "Effect on surface water resource due to climate change : Indian scenario", International Symposia IUGG 2011 General Assembly Earth on the Edge: Science for a Sustainable Planet, Melbourne, Australia, 28 June - 7 July, 2011.   |
| 39. | Chakraborti, Shiulee, Pandey, R.P., Chaube, U.C. and Mishra, S.K., "Spatial and Temporal Analysis of Rainfall Trends and Variability in Chhattisgarh State, India", Presented in 3rd Int. Conf. on Climate Change, Forest Resource and Environment, ICCFRE-2011 and 6th National Environment Congress, Environ. Sci. University of Kerala & NEA, Kariavattom, Thiruvananthapuram, Kerala, December 9-11, 2011. |
| 40. | Chamoli, Shikha, Sharma, M.K. and Chopra, A.K., "Hydrochemical study of River Ganga in a stretch from Haridwar to Bijoor – A case study", World Congress for Man & Nature (Global Climate Change and Biodiversity Conservation), Gurukul Kangri Vishwavidyalaya, Haridwar, 11-13 November, 2011.   |
| 41. | Ghosh, N.C., "Hydro-geological Issues related to Arsenic Contamination in Groundwater", Int. Conf. on Water Quality with special reference to Arsenic, org. jointly by Public Health Engineering Department, Govt. of West Bengal and Ministry of Drinking Water and Sanitation, Govt. of India, Kolkata, 18-20 February, 2012.  |
| 42. | Ghosh, N.C., "Prospects of riverbank filtration in India: Hydrological and hydrogeological perspectives", Indo-German Workshop for Bank Filtration for Sustainable Drinking Water Supply, Dehradun, 29-30 April, 2011.   |
| 43. | Gupta, Rohit Kumar, Bhanu Pant, Sinha, P.P., Mehta, Rama and Agarwala, Vijaya, "Study on ductility of Ti Aluminides using Mamdani Fuzzy Inference System", Int. Conf. on Soft Computing Problem Solving, IIT Roorkee, 16-18 December, 2011.  |
| 44. | Hariprasad, C., Venkatraman, G., Murthy, M.V.R and Arora, M., "Snowmelt runoff modelling for Bhagirathi river basin using SRM AND MODIS", CSRE Int. Conf., IIT Bombay, January 2012.   |
| 45. | Hariprasad, C., Venkatraman, G., Murthy, M.V.R and Arora, M., "MODIS daily snowcover map validation for Indian Himalayas", Proc. of Geomatrix'12, 2012.  |

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| 46. | Jain, C.K. and Singh, R.D. , "Ground water contamination and management in metropolitan areas ", Int. Conf. on Environmentally Sustainable Urban Ecosystems, IIT Guwahati, February 24-26, 2012.  |
| 47. | Krishan, Gopal, Rao, M.S. and Kumar, Bhishm, "Identification of Sources of Atmospheric Vapour using Isotopic Signature of Air Moisture at Roorkee, Uttarakhand, India", Intl. Conf. on Opportunities and Challenges in Monsoon Prediction in a Changing Climate, IITM Pune, India, 21 -25 February, 2012.             |
| 48. | Kumar, C.P. and Singh, Surjeet, "Impact of Climate Change on Groundwater Resources – Status of Research Studies", 3 <sup>rd</sup> Int. Conf. on Climate Change and Sustainable Management of Natural Resources, 5-7 February 2012, Gwalior, India.  |
| 49. | Kumar, Garvit, Goyal, Hariom, Dwivedi, V.K., Kumar, Vipin and Rama Mehta; "Designing of quadcopter for Surveillance and hydrological data collection: Maximizing target acquisition", Int. Conf. on Soft Computing Problem, IIT Roorkee, 16 -18 December, 2011.   |
| 50. | Kumar, P., Nikam, B.R. and Nema, M.K., "Comparative evaluation of different evapotranspiration estimation approaches", 46 <sup>th</sup> Annual Convention of ISAE and Int. Symp. on Grain Storage, GBPUAT, Pantnagar (Uttarakhand), 27 -29 February, 2012.  |
| 51. | Kumar, Rakesh, "Status and issues for AWCI Phase 2 Implementation Plan – Indian Perspective", 5 <sup>th</sup> GEOSS Asia Pacific Symposium and the associated 9 <sup>th</sup> Meeting of the GEOSS Asian Water Cycle Initiative (AWCI) International Coordination Group (ICG) Tokyo, Japan, 2-4 April, 2012.          |
| 52. | Kumar, S.R. and Rathore, D.S., "Channel migration and erosion problem in Dhansiri (South) River", Proc. 5 <sup>th</sup> World Aqua Congress -2011 on Adaptive and Integrated Water Management, New Delhi, 864868, 16-17 November, 2011.   |
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| 54. | Kumar, S.R., "Evaluation of temperature trend in North East India using Mann-Kendall and Sen's Slope method", Proc. 5 <sup>th</sup> World Aqua Congress-2011 on Adaptive and Integrated Water Management, New Delhi, 916-922, 16-17 November, 2011.   |
| 55. | Kumar, S.R. and S. P. Rai, "Groundwater quality management through thematic map", Int. Conf. on Impact of Climate Change on Groundwater Resources with special reference to Hardrock terrain, Yadava College of Arts and Science, Madurai, Tamil Nadu, India, September 27-30, 2011.                                  |
| 56. | Kumar, Sudhir, "Importance of Ground Water velocity in Riverbank Storage", Indo - German workshop on Bank Filtration for Sustainable Drinking Water Supply, Dehradun, April 29-30, 2011.  |
| 57. | Kumar, Sumant, Ghosh, N.C. and Singh, Surjeet, "Prediction of groundwater level using ANN", Intl. Conference on Global Climate Change & Biodiversity Conservation, Gurukul Kangri University, Haridwar, 11-13 November, 2011.   |
| 58. | Mehta, Rama, Kumar Garvit, Goyal, Hari Om, Dwivedi, V.K. and Kumar, Vipin, "Estimation of the Quality of Polluted Water for reuse", Int. conf. on Green Technologies for Environmental Rehabilitation (GTER-2012), Faculty of Engineering and Technology, Gurukul Kangri University. Haridwar, February 11 -13, 2012. |
| 59. | Nayak, T.R., Hema Bindu, S. and Verma, M.K., "Runoff Curve Number Method in Narmada Basin: CN Value and Initial Abstraction Ratio During Peak Flow", Int. Conf. on Advances in Engineering, Science and Management, EGS Pillay Engineering College, Nagapattinam, Tamil Nadu, India, March 30 -31, 2012.              |



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| 60. | Raghuwanshi, Ruchi, Sharma, M.K., Sharma, Ritu and Singh, Prashant, "Importance of metal speciation study in sediment in detection of pollution", World Congress for Man & Nature (Global Climate Change and Biodiversity Conservation), Gurukul Kangri Vishwavidyalaya, Haridwar, 11-13 November, 2011.   |
| 61. | Rai, S.P., Ahluwalia, Rajeev S., Kumar, Bhishm, Jain, S.K. and Dobhal, D.P., "Variation in Isotopic Composition ( $\delta^{18}\text{O}$ and $\delta^2\text{H}$ ) of Parvati River in response to snow and glacial melt contribution at Bhunter, Himachal Pradesh", Int. Conf. on Indian Monsoon & Himalayan Geodynamics, Wadia Institute of Himalayan Geology, Dehradun, November 2-4, 2011. |
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| 63. | Sarkar, Archana, Jain S.K., Singh R.D., "Impact of Land use/cover changes on Runoff in an Indian Basin using RS&GIS", Int. Conf. on Geospatial Techniques and Applications, IIT Mumbai, India, February 26-29, 2012.   |
| 64. | Sarkar, Archana, Kumar, Rakesh, and Singh R.D., "Applications of Soft Computing Techniques in Water Resources Management", 5 <sup>TH</sup> World AQUA Congress, New Delhi, India, November 16-18, 2011.  |
| 65. | Sharma, M.K., Choubey, V.K. and Singh, R.D., "River Water Pollution and its Removal by Bed Sediment", 1 <sup>st</sup> World Congress for Man and Nature on Global Climate Change & Biodiversity Conservation, Gurukula Kangri Vishwavidyalaya, Haridwar, 11 -13 November, 2011.  |
| 66. | Sharma, M.K., Singh, R.D., and Choubey, V.K., "Industrial Water Management Options and Equipments", Int. Conf. on Water use efficiency in Industrial Sector, jointly org. by RIICO and India Water Foundation, Jaipur, Rajasthan, November 2011.   |
| 67. | Shukla, Preetika, Sharma, M.K., Malik, D.S. and Goel Anjali, "Defluoridations using an economic viable substance bagasse flyash", World Congress for Man & Nature (Global Climate Change and Biodiversity Conservation), Gurukul Kangri Vishwavidyalaya, Haridwar, 11-13 November, 2011.   |
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| 70. | Thayyen, R.J., "Is it fair to attribute headwater stream flow variations to the Glaciers across glacio-hydrological regimes", Int. Workshop on Glaciers, Snow melt and Runoff in the Himalayas, Kathmandu, Nepal, ICIMOD, February 6-7, 2012.  |

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| 72. | Agarwal, P.K., Jain, S. K., Ahmed, T., "Water Resources of the North-East Region and Their Utilization", Nat. Conf. on Water, Energy and Biodiversity with special reference to North-East region, Agartala, Tripura, August 19-23, 2011.  |
| 73. | Agarwal, A., Arora, M and Nema, R.K., "Hydrological Study for Sustainable Development of Hilly Watersheds in Uttarakhand", Indian Society of Agricultural Engineers, Pantnagar, 252, February 27-29, 2012.   |
| 74. | Ahluwalia, Rajeev S., Jain, Sanjay K., Rai, S. P. and Thakural, L. N., "Analysis of discharge pattern and variation of snow and glacial melt contribution in the upper part of the Beas basin", Nat. Conf. on Water, Energy & Biodiversity, Agartala, August 20-22, 2011.  |
| 75. | Ahmed, Tanveer, Jain, Sanjay K., Agarwal, P.K. and Rathore, D.S., "Sudur Samvedan evam Bhogolic Suchna Tantra Pranali Ke Prayog Dwara Jal Sansadhno Ka Anuprayog," 4 <sup>th</sup> National Water Symposium on Jal Sansadhano Ke Prabandhan Mein Naveentam Takneekon Ka Prayog (in Hindi), National Institute of Hydrology, Roorkee, 16 -17 December 2011. |
| 76. | Arora, M. and Kumar, R., "Climate Change and Water Resources of India", Hydro -2011, NIT Surat, 36, December 29-30, 2011.  |
| 77. | Arora, M. and Kumar, R., "Impact of Climate Change on Water Resources with special reference to Uttarakhand", Impacts of Global Change on the Dynamics of Snow, Glaciers and Runoff over the Himalayan Mountains with Particular Reference to Uttarakhand, GBPHED, Almora, 27-28 February, 2012.   |
| 78. | Arora, M., Kumar, R. and Singh, R. D., "Hydrological Investigations at Gangotri Glacier", Brainstorming session on Glaciers and water resources in the cold-arid systems of Ladakh region, Leh (Ladakh), National Institute of Hydrology, WHRC, Jammu, 27 September, 2011.   |
| 79. | Arora, M., Singh, R.D., Kumar, R. and Kumar, N, "Comparison of regional rainfall characteristics of south west monsoon rainfall, India", Nat. Conf. on Water, Energy and Biodiversity, Agartala, 32-38, 20-22 August, 2011.  |
| 80. | Bhunya, P.K., R. D. Singh, S.N. Panda and Ronny Berndtsson, "The Flood Characteristics of Large Rivers: Potential Effects of Changing Climate and Greenhouse effect", Nat. Seminar on Global Warming and its impact on Water Resources, Jadavpur University Campus, Kolkata, 14 January, 2011.   |
| 81. | Chalishgaonkar, Deepa and Suhas Khobragade, "Development of an Internet based Information system for Lakes of North-East India", Nat. Conf. on Water Energy and Biodiversity with special reference to North-East Region, The Institution of Engineers (India) jointly with National Institute of Hydrology, Roorkee, Agartala, 20-22 August, 2011.        |

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| 82. | Chhabra, A.S., Lohani, A.K. and Shukla, Sandeep, "SWAT Model ke shodh kariyon mein prayog par ek tulnatmak sameeksha", 4 <sup>th</sup> National Water Symposium on Jal Sansadhano Ke Prabandhan Mein Naveentam Takneekon Ka Prayog (in Hindi), National Institute of Hydrology, Roorkee, 16-17 December, 2011. |
| 83. | Devi, Pooja, Jain, A.K. and Rao, M.S., "Isotopic Enrichment of Water during Evaporation under Reducing and Constant Volume Conditions", Nat. Conf. on Advances in Physics, Department of Physics, Indian Institute of Technology, Roorkee, India, 25-26 February, 2012.  |
| 84. | Dwivedi, A.K., "New Exploration Licencing Policy (NELP) initiatives for hydrocarbon exploration in NE region : A block of Tripura in Assam-Arakan Basin", Nat. Conf. on Water, Energy and Biodiversity with special reference to North -East region, Agratala, Tripura, 72-79, August 20-22, 2011.             |
| 85. | Furqan Ullah, Mohd. and Tanveer Ahmad, "Open access to scientific information in context with IPR issues", Nat. Conf. on Knowledge Sharing and IP Management Evolving Strategies in India, Kanahiya Lal D.A.V., Post Graduate College, Roorkee, 54-70, March 25, 2012.   |
| 86. | Galkate, R.V., Mehta, P., Jaiswal, R.K. and Thomas, T., "Water Availability Assessment in Kharun River under Regulated and Virgin Flow Conditions Using MIKE BASIN", Nat. Symp. on water Resources Management in Changing Environment, National Institute of Hydrology, Roorkee, February 8-9, 2012.           |
| 87. | Ghosh, N.C., Groundwater Quality: Issues, Perspectives & Riverbank Filtration Processes", Key-note paper on "Water Quality Management and River Bank Filtration (RBF)", org. by UCOST, Uttarakhand Jal Santhan, Dehradun, 7 January,   |
| 88. | Goel M., Chalisgaokar D. and Agrawal R., "Development of an Information System for Research Papers Related to Hydrology", Nat. Symposium on Water Resources Management in Changing Environment, National Institute of Hydrology, Roorkee, 661-666, February 8 -9, 2012   |
| 89. | Goel, M.K. and Singh, R. D., "Distributed Basin-scale Model for Water Resources Assessment under Different Climate Change Scenarios", Nat. Conf. on Science of climate change and Earth's sustainability: Issues & Challenges, org. by The Society of Earth Scientists, Lucknow, 35-36, September 12- 4, 2011. |
| 90. | Goel, M.K., "Distributed Basin-scale Model for Water Resources Assessment under Different Climate Change Scenarios", 4 National Water Symposium on Jal Sansadhano Ke Prabandhan Mein Naveentam Takneekon Ka Prayog (in Hindi), National Institute of Hydrology, Roorkee, 16-17 December 2011.                  |
| 91. | Jain, C.K. and R. D. Singh, "Assessment of Ground Water Quality in Metropolitan Town of Meerut", Symp. on Water Resources Management in Changing Environment, org. by IAH, National Institute of Hydrology, Roorkee, 579-595, February 8-9, 2012.  |
| 92. | Jain, C. K. and R. D. Singh, "Geogenic Contaminants in Ground Water of North East India- Status and Treatment Options", Nat. Symp. on Water Resources Management in Changing Environment, org. by IAH, National Institute of Hydrology, Roorkee, 639-646., February 8-9, 2012.                                 |
| 93. | Jain, C.K. and Singh, R.D., "Phytoremediation: An emerging plant based technology to clean-up the environment", Nat. Conf. on New Methods and Technologies for Water Conservation and Purification, Jaipur, March 3, 2012.   |
| 94. | Jain, C.K. and Singh, R.D., "Water crisis in Guwahati City: Responding to the urban challenge", Seminar on Water for Cities: Responding to the Urban Challenge, The Institution of Engineers (India), Assam State Centre, Guwahati, 51 -57, 30 May 2011.   |



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| 95.  | Jain, C.K., R.D. Singh, "Urbanization and water quality challenges", Seminar on water for Cities: Responding to the urban challenge, The Institution of Engineers, Assam State Centre, Guwahati, 71-80, May 30, 2011.   |
| 96.  | Jain, S.K., S.P. Rai, Rajeev S. Ahluwalia, "Stream Flow Modelling of Beas River at Manali, Himachal Pradesh", National Conf. on Recent Advances in Civil Engineering, Dept. of Civil Engineering, Institute of Technology, BHU, Varanasi, 286-289, 2011   |
| 97.  | Jain, Sanjay K., Lohani, A.K. and Singh, R. D., "Identification of glacial lake and the potentially dangerous glacial lake in the Himalaya basin", Regional Workshop on 'Impacts of global change on the dynamics of snow, glaciers and runoff over the Himalayan Mountains with particular reference to Uttarakhand, GBPIHED, Kosi-Katarmal, Almora, 27-28 February, 2012. |
| 98.  | Jain, Sanjay K. and Singh, R. D., "Snow/Glacier hydrology and related issues in the Himalayan region", Indo-US Bilateral Workshop on Global challenges: Climate change, Water, Environment and Society, ITM University, Gurgaon, March 5-6, 2012.   |
| 99.  | Jain, Sanjay K., Rai, S. P., Ahluwalia. Rajeev. S., "Stream Flow Modelling of Beas River at Manali, Himachal Pradesh", Nat. Conf. on Recent Advances in Civil Eng g., Dept. of Civil Engineering, Institute of Technology, BHU, Varanasi, October 14-16, 2011.  |
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