

LIST OF PUBLICATIONS

7

Research Papers

International

- Adhikary, P.P., Chandrasekharan, H., Chakraborty, D., Kumar, B. and Yadav, B.R. (2009). Statistical approaches for hydrogeochemical characterization of groundwater in West Delhi, India. *Environmental Monitoring and Assessment*, 154: 41-52.
- Ali, Shakir, Ghosh, N.C. and Singh, R. (2010). Rainfall-runoff simulation using normalized antecedent precipitation index. *Hydrological Sciences Journal*, 55(2): 225-230.
- Das, D.K. and Chaturvedi, O.P. (2009). Energy dynamics and bioenergy production of *Populus deltoids* G-3 Marsh plantation in eastern India. *Biomass and Bioenergy*, 33: 144-148.
- Laik, R., Singh, Kaushlendra, Das, D.K. and Chaturvedi, O.P. (2009). Labile soil organic pools in a caciorthent after 18 years of afforestation by different plantations. *Applied Soil Ecology*, 42: 71-78.
- Mandal, D., Sharda, V.N. and Tripathi, K.P. (2010). Relative efficacy of two biophysical approaches to assess soil loss tolerance for Doon Valley soils of India. *J. of Soil and Water Conservation*, 65: 42-49.
- Pandey, C.B., Srivastava, R.C. and Singh, R.K. (2009). Soil Nitrogen Mineralization and Microbial Biomass Relation, and Nitrogen Conservation in Humid-Tropics. *Soil Sci. Soc. Am. J.*, 73(4):1-8.
- Sankar, M. and Dadhwal, K.S. (2009). Characterisation and classification of red soils from Tamil Nadu. *Asian J. Soil Science*, 4(1) : 81-85.
- Sankar, M. and Dadhwal, K.S. (2009-10). Soil resources inventory and geographical information system for land evaluation - A review. *Asian J. Soil Science*, 4(2) : 335-344.
- Sharda, V.N., P.R. Ojasvi, Pradeep Dogra, Shiv O. Prasher and R. Patel (2009). Scenario-based assessment and management of water resources in mid-Himalayan micro-watersheds with limited data availability. *Hydrological Sciences Journal*, U.K. 53(6): 1165-1175.
- Sharma, A.R., Singh, Ratan, Dhyani, S.K. and Dubey, R.K. (2009). Moisture conservation and nitrogen cycling through legume mulching in rainfed maize (*Zea mays* L.) - wheat (*Triticum aestivum* L.) cropping system. Nutrient Cycling in Agroecosystems DOI 10.1007/s10705-009-9327-y.
- Sharma, V.K., Dubey, S.K., Nagar, D.P. and Rai, H.K. (2009). Effect of sulphur application on growth, yield and protein of wheat grain under cold arid conditions of Laddakh. *GEOBIOS*, 36 : 133-136.
- Shukla, Anil Kumar, Jha, A., Chaturvedi, O.P., Prasad, R. and Gupta, Ajit (2009). Effect of shade on arbuscular mycorrhizal colonization and growth of crops and tree seedlings in Central India. *Agroforestry Systems*, 76 : 95-109.
- Singh, Charan, Raizada, A., Vishwanatham, M.K. and Mohan, S.C. (2008). Evaluation of Management practices for a *Grewia optiva* - Hybrid Napier based silvipastoral system for rehabilitating old riverbed lands in the North-Western Himalayas. *Journal of Ecology and Environmental Sciences*, 34(4): 319-327.
- Singh, Ramesh and Vishwakarma, A.K. (2009). Performance of different varieties of brinjal under agroclimatic conditions of Sikim. *International Journal of Tropical Agriculture*, 27(3-4) : 643-645.

Singh, Ramesh Singh, A.K. Kumar, Deep and Vishwakarma, A.K. (2009). Varietal evaluation of passion fruits under natural condition in Sikim. *Intl. Journal of Tropical Agriculture*, 27(3-4) : 651-653.

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Agnihotri, Y., Yadav, R.P., Bhatt, V.K., Singh, P., Arya, S.L., Prasad, R., Tiwari, A.K. and Bhattacharyya, P. (2009). Post project evaluation of Raipur Rani watershed implemented under NWDPRRA project in Haryana. *J. Soil Water Cons. India*, 8(2): 44-52.

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Jayaprakash, J. and Rathore, A.C. (2009). Studies on genetic diversity among different accessions of Babul (*Acacia nilotica* Lin. Willd ex del.) in southern India. *Indian J. of Forestry*, 32(2): 211-220.

- Jayaprakash, J., Rathore, A.C., Raizada, A., Singh, Charan, and Dasthagir, M.G. (2009). Evaluating Biometric traits for selecting Elite trees in *Acacia nilotica* (var. indica) based on progenies trials in tropical India. *The Indian Forester*, 136(5): 652-660.
- Kumar, Praveen, Das, D.K., Laik, R., and Chaturvedi, O.P. (2009). Nitrogen supplementation by leguminous tree leaves for rice (*Oryza sativa* L.) cultivation. *Ind. J. Agroforestry*, 11(1) : 70-74.
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- Manivannan, S. (2009). Impact of bioengineering measures on soil and moisture retention and major nutrients under cashew land use in lateritic soils of Goa. *Journal of Soil & Water Conservation*, 9(1): 9-12.
- Manivannan, S., Rajendran, V. and Thiyagarajan, G. (2009). Effect of bioengineering measures on growth and yield of Cashew (*Anacardium occidentale*) in lateritic soils of Konkan region, *Journal of Soil & Water Conservation*, 8(2): 14-20.
- Meena, H.R., Kingsly, A.R.P and Jain, R.K. (2009). Effect of post-harvest treatments on shelf life of ber fruits. *Indian J. Hort.*, 66(1): 58-61.
- Meena, H.R., Kingsly, A.R.P. and Jain, R.K. (2009). Physical and mechanical properties of different ber cultivars. *Indian J. Hort.*, 66(2): 261-263.
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- Raina, A.K., Lubana, P.P., Singh, K.G. and Bhatt, V.K. (2009). Application of modified soil conservation service curve number (SCS-CN) method for estimation-cum comparison of moisture storage values of untreated and treated Shivalik micro-watershed. *J. Soil & Water Conserv.*, 8(4): 20-24.
- Rao, B.K., and Rajput, T.B.S. (2009). Decision support system for efficient water management in canal Command areas. *Current Science*, 97(1) : 90-98.
- Rao, V.K., Rathore, A.C. and Singh, H.K. (2009). Screening of Aonla (*Embllica officinalis* Gaertn.) cultivars for leaf chlorophyll and amino acid under different sodicity and salinity levels. *Indian Journal of Soil Conservation*, 37(3): 193-196.
- Rathore, A.C. and Singh, J.N. (2009). Optimization of nitrogen application and irrigation for improved growth and spike production of tuberose (*Polianthes tuberosa* Lin.). *Indian Journal of Soil Conservation*, 37(1): 45-49.

- Sahoo, D.C., Madhu, M. and Khola, O.P.S. (2009). Estimation of evapotranspiration and crop coefficient of carrot (*Daucus carota*) for water management using weighing lysimeter. *Indian Journal of Agril. Sciences*, 79 (12): 968-971.
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- Singh, Charan, Dhyani, S.K., Dhiman, R.C., Sharma, K.K. and Kumar, Nirmal (2009). Evaluation of *Paulownia* based tree-crop intercropping systems under rainfed conditions in Doon Valley. *The Indian Forester*, 135(11) : 1565-1574.
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- Thakur, I.K., Chauhan, K.C. and Singh, Charan (2009). Effect of different growth regulators formulations on the rooting potential of mulberry (*Morus alba* linn). *The Indian Forester*, 135(12): 1701-1706.
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- Umar, Asad, Singh, A.K. and Srivastava (2010). G.W. market and farmers participation for electricity tariff system in Uttarakhand – A case study. *J. of Rural Development*, 29(1) : 43-56.
- Verma, M.L., Singh, Charan and Bhardwaj, S.P. (2009). Effect of bio-fertilizers on soil moisture, nutrient status and fruit productivity under organic cultivation of apple in Himachal Pradesh. *Indian J. of Soil Conservation*, 37(3) : 201-205.

Conference / Symposia papers

International

- Chaturvedi, O.P. and Khan, I.A. (2009). Agroforestry research : Perspective and potential. In: Agroforestry Natural Resource Sustainability Livelihood and Climate Moderation. O.P. Chaturvedi, A. Venkatesh, R.S. Yadav, Badre Alam, R.P. Dwivedi, Ramesh Singh and S.K. Dhyani (Eds.). Satish Serial Publishing House, Delhi : 27-42.
- Chaturvedi, O.P. and Radhakrishnan, P. (2009). Ecosystem development through agroforestry measures. In: Agroforestry Natural Resource Sustainability Livelihood and Climate Moderation. O.P. Chaturvedi, A. Venkatesh, R.S. Yadav, Badre Alam, R.P. Dwivedi, Ramesh Singh and S.K. Dhyani (Eds.). Satish Serial Publishing House, Delhi : 55-70.
- Gore, K.P. and Panda, R.K., (2009). Water harvesting and recycling in the Eastern Ghat region of India. In: Indo-US workshop on Emerging issues in water management for sustainable agriculture in South

- Asia region during Dec.10-12 organized by CSWCRTI RC, Udthagamandalam (T.N.) and Michigan State University, East Lansing, MI, USA: 405-418.
- Khan, I.A., Karemulla, K. and Chaturvedi, O.P. (2009). Biomass, bioenergy, environmental and livelihood benefits from *Prosopis juliflora* (Swartz) D.C. in India. In: Agroforestry Natural Resource Sustainability Livelihood and Climate Moderation. O.P. Chaturvedi, A. Venkatesh, R.S. Yadav, Badre Alam, R.P. Dwivedi, Ramesh Singh and S.K. Dhyani (Eds.). Satish Serial Publishing House, Delhi: 147-164.
- Kurothe, R.S. and Sena, D.R. (2009). Groundwater management in western India. In: Indo-US, workshop on 'Emerging Issues in Water Management for Sustainable Agriculture in South Asia Region', December 10-12, at Udthagamandalam, Nilgiris District (Tamil Nadu): 21-24.
- Narayan, D. (2009). Sustainable management of land and water through conservation practices in Bundelkhand region in Central India. In *Abstracts: International conference on nurturing arid zones for people and the environment: Issues and Agenda for the 21st Century*. (Eds.) Praveen Kumar, Burman, U., Singh, D.V., Kaul, R.K., Tripathi, R.S., Kar, A. and Kathju, S., November 24-28, Jodhpur, India : 210-211.
- Palsamia, D.R., Yadav, R.S., Singh, Ramesh, Chaturvedi, O.P., Kumar, R.V. and Tewari, R.K. (2009). Potential of contract farming in agroforestry. In: Agroforestry Natural Resource Sustainability Livelihood and Climate Moderation. O.P. Chaturvedi, A. Venkatesh, R.S. Yadav, Badre Alam, R.P. Dwivedi, Ramesh Singh and S.K. Dhyani (Eds.). Satish Serial Publishing House, Delhi : 263-276.
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- Singh, A.K., Rao, M.S. Rama Mohan and Murlidhar, W. (2010). Impact of watershed development on traditional tank systems in semi arid region of Karnataka - A case study. Proceeding of 3rd International Conference on Hydrology and Watershed Management with focal theme on Climate Change – Water, Food and Environment Published by BS Publication 4-4-309, Giriraj Lane Sultan Bazar, Hyderabad. Vol. II : 715-725.
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National

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Barman, D., Gore, K.P., Praveen Jakhar, Hombe Gowda, H.C. and Naik, B.S. (2010). Climate trend analysis for Eastern Ghats regions of Orissa. *In proceedings of National Symposium on climate change and rainfed agriculture held during Feb. 18-20, held at CRIDA, Hyderabad* : 30-32.

Bihari, Bankey, V.N. Sharda, B.L. Dhyani and S.K. Sharma (2009). *Satrangi Kranti key liye vikas pariyojnawon mein jan jagrukta avam jansahbagita ka mahatva. Abstract - 11th National Science workshop on 'Integrated Agriculture and Animal Husbandry systems for Rainbow Revolution', New Delhi April 13-15: 179-180.*

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Jakhar, Praveen, B.S. Naik, Anchal Dass and K.P. Gore, (2009). Resource conservation and livelihood development of small famers through multi-tier cropping system. *In proceedings of National Conference on food and environment security through resource conservation in Central India : Challenges and opportunities (FESCO-2009), held during Sept.,16-18, at CSWCRTI, RC, Agra* : 31-32.

- Juyal, G.P., Dadhwal, K.S. and Arya, R.K. (2010). Eco-rehabilitation of mined areas for natural resources management – Sahastradhara experience. Abstracts in Regional Workshop on Water Management and Hydrochemistry in Uttarakhand, CGWB, Uttaranchal Region, Dehradun, 18-19 Feb.: 22.
- Juyal, G.P. and Sharda, V.N. (2009). Rehabilitation of highly degraded slopes through application of natural geotextiles in the Himalayan region. In: *Abstracts – Water Management and Efficient Micro-Irrigation in Mountainous Indian Himalayas* (Ed. K.P. Tripathi et al.). The Institution of Engineers (India), Uttarakhand State Centre, Dehradun held during Oct. 24-25, 2009: 15-16.
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- Kannan, K. (2009). Increasing Water Use Efficiency in Rice through on-farm water management-issues and strategies. In: Indo-US Workshop on emerging Issues in Water Management for Sustainable Agriculture in South Asia Region held at Udhagamandalam during 10-12 Dec.: 27-52.
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- Mehta, H., Tyagi, P.C. and Dadhwal, K.S. (2009). Genetic characterization of Bhimal (*Grewia optiva* J.R. Drum.ex Burret) provenances through principal component and regression analysis in the backdrop of global climate changes. In: National Seminar on Designing crops for changing climate. Oct. 30-31, Ranchi. Indian Society of Genetics and Plant Breeding, ICAR and Birsa Agril. Univ.:52-53
- Muruganandam, M., Sharda, V.N., Arora, C.P. and Pande, R.K. (2010). Watermill based integrated farming system (IFS) for northwestern Himalayas. Abstract proceedings of the Second *Rashtriya Yuva Vaigyanik Sammelan*: p. 34.
- Narayan, D. (2010). Soil and water conservation measures for sustainable agricultural production and bio-diversity conservation. *Abstracts: National Conf. on role of bio-diversity in sustainable agriculture*. (Eds.) Rizvi, G, Gupta, Charu and Pajjwar, M.S., Mar. 4-5, Bundelkhand Univ., Jhansi : 21-22.
- Narayan, D. and Biswas, H. (2009). Soybean based intercropping systems for sustainable production under rainfed condition in Bundelkhand region. In *Abstracts: Conference on Food and Environmental Security through Resource Conservation in Central India: Challenges and Opportunities (FESCO-2009)*, Sept.16-18, Agra: 113.
- Panda, P.K., Dubey, S.K. and Singh, A.K. (2009). Sustainable management of cropping systems in Central India for food and environmental security. In *Abstracts 'Conference on Food and Environmental Security through Resource Conservation in Central India: Challenges and Opportunities'* 16-18 September, held at CSWCRTI, Research Centre Agra: 91-92.
- Prakash, Om and Katiyar, V.S. (2009). Information receiving behaviour of farmers of watershed and non-watershed areas in Bundelkhand region. In *Abstracts: Conference on Food and*

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- Prakash, Om, Dubey, R.K. and Deshwal, J.S. (2009). Agri-horti system for sustainable production on degraded lands in semi arid tropics. In Abstract 'Proceedings of conference on Food and environmental security through resource conservation in Central India: Challenges and Opportunities' held at Agra during 16-18 September: 64.
- Saikia, U.S. Vishwakarma, A.K. Goswami, B., Satpathy, K.K., Singh, O.P. and Ngachan, S.V. (2010). Weather based pest forewarning system for maize cob borer. In: National symposium on climate change and rainfed agriculture during February 18–20, held at CRIDA, Hyderabad : 185-188.
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