

## LIST OF PUBLICATIONS

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### Research Paper International

Research Paper	NAAS Score
Adak, Tarun; Kumar, Gopal; Chakravarty, N.V.K.; Katiyar, R.K.; Deshmukh, P.S. and Joshi, H.C. (2013). Biomass and biomass water use efficiency in oilseed crop ( <i>Brassica juncea L.</i> ) under semi-arid microenvironments. <i>Biomass and Bioenergy</i> , 51: 154-162.	8.98
Ajit; Dhyani, S.K.; Handa, A.K.; Chaturvedi, O.P.; Singh, Rajender and Uma (2013). Statistical models for growth prediction in Eucalyptus under various tree based system. <i>Int. J. Agricult. Stat. Sci.</i> , 9(1): 261-272.	6.00
Bagdi, G.L. (2013). Participatory Watershed Development Programme a Boon for Mitigating Suicide among Farmers of Vidarbha Region of Maharashtra published in <i>International Journal of Extension Education</i> , Vol. 9 : 85-90.	4.15
Basak, B.B.; Biswas, D.R. and Pal, Sharmistha (2013). Soil biochemical properties and grain quality as affected by organic manures and mineral fertilizers in soil under maize-wheat rotation. <i>Agrochimica</i> , 57(1): 49-66.	6.31
Bhattacharyya, R.; Pandey, S.C.; Bisht, J.K.; Bhatt, J.C.; Gupta, H.S.; Tuti, M.D.; Mahanta, D.; Mina, B. L.; Singh, R.D.; Chandra, S.; Srivastva, A.K. and Kundu, S. (2013). Tillage and irrigation effects on soil aggregation and carbon pools in the Indian sub-Himalayas. <i>Agronomy Journal</i> , 105(1): 101-112.	7.52
Dotaniya, M.L.; Prasad, Dashrath; Meena, H.M.; Jajoria, D.K.; Narolia, G.P.; Pingoliya, K.K.; Meena, O.P.; Kumar, Kuldeep; Meena, B.P.; Ram, Asha; Das, H.; Chari, M.S.; Pal, Suresh (2013). Influence of phytosiderophores on iron and zinc uptake and rhizospheric microbial activity. <i>African Journal of Microbiology Research</i> , 7 (51) : 5781-5788.	6.00
Dutta, S. and Pal, Sharmistha (2014). Promises in direct conversion of cellulose and lignocellulosic biomass to chemicals and fuels: Combined solvent enanocatalysis approach for biorefinary, Biomass and Bioenergy ( <a href="http://dx.doi.org/10.1016/j.biombioe.2013.12.019">http://dx.doi.org/10.1016/j.biombioe.2013.12.019</a> ).	8.98
Hedau, N.K.; Tuti, M.D.; Stanley, J.; Mina, B.L.; Agrawal, P.K.; Bisht, J.K. and Bhatt, J.C. (2013). Energy-use efficiency and economic analysis of vegetable cropping sequences under greenhouse condition. <i>Energy Efficiency</i> , 1-9 (DOI 10.1007/s12053-013-9239-1).	-
Kumar, A.; Lal, B.; Rajkumar, S.; Chawla, A. and Kaushal, R. (2013). Landscape mapping and tree diversity assessment of Pangi valley: A remote tribal area of Himachal Pradesh in western Himalaya, India. <i>International Journal of Conservation Science</i> : 483-488.	-
Kumar, Suresh; Raizada, A. and Biswas H. (2014). Prioritizing development planning in the Indian semi-arid Deccan using sustainable livelihood security index approach. <i>International Journal of Sustainable Development &amp; World Ecology</i> ( <a href="http://dx.doi.org/10.1080/13504509.2014.886309">http://dx.doi.org/10.1080/13504509.2014.886309</a> ).	7.21
Kurothe, R.S.; Kumar, Gopal; Singh, Rajive; Singh, H.B.; Tiwari, S.P.; Vishwakarma, A.K.; Sena, D.R. and Pande, V.C. (2014). Effect of tillage and cropping systems on runoff, soil loss and crop yields under semi-arid rainfed agriculture in India. <i>Soil and Tillage Research</i> ; 140C (online) : 126-134.	8.37
Madhu, M. and Jerry L. Hatfield (2013). Dynamics of plant root growth under increased atmospheric carbon dioxide. <i>Agron. J.</i> , 105 : 657-669.	7.52
Mahanta, D.; Bhattacharyya, R.; Gopinath, K.A.; Tuti, M.D.; Mina, B.L.; Pandey, B.M.; Mishra, P.K.; Bishta, J.K.; Srivastva, A.K. and Bhatta J.C. (2013). Influence of farmyard manure application and mineral fertilization on yield sustainability, carbon sequestration potential and soil property of gardenpea-french bean cropping system in the Indian Himalayas. <i>Scientia Horticulturae</i> , 164 : 414-427.	7.40
Mandal, D. and Sharda, V.N. (2013). Appraisal of soil erosion risk in the eastern Himalayan region of India for soil conservation planning. <i>Land Degradation and Development</i> , 24 (5): 430-437.	7.99
Manivannan, S. and Sikka, A.K. (2013). Hydrological impact of bioengineering measures on Cashew plantations in lateritic soils of Konkan region. <i>Journal of Agricultural Engineering</i> , 50(3) : 57-65.	4.27
Mishra, P.K.; Brevis, W. and Lang, C. (2013). Discharge Coefficients for Baffle-slucice Gates. <i>Journal of Irrigation and Drainage Engineering (ASCE)</i> , 139(4) : 336-340.	7.13

Research Paper	NAAS Score
Pal, Sharmistha and Dutta, Saikat (2013). Transformation of Microalgae into Biofuels using Chemical Catalysts: Relevance in Green Energy Production. <i>Agrochimica</i> , 57(1) : 67-96.	6.31
Pande, V.C.; Bagdi, G.L. and Sena, D.R. (2013). Physical and social factors in management of community based water storage structures in Gujarat: An institutional analysis of local governance. <i>Irrigation &amp; Drainage Systems Engineering</i> , 2(1) : 1-9 (doi: 10.4172/2168-9768.1000108).	-
Pande, V.C.; Kurothe, R.S.; Singh, H.B., Tiwari, S.P.; Kumar, Gopal; Rao, V.K.; Viswakarma and Bagdi, G.L. (2013). Economic assessment of soil erosion damage on small holder farm in marginal lands of Mahi ravines in Gujarat. <i>Agril Eco. Res Review</i> , 26(1) : 63-71.	5.68
Rathore, A.C.; Saroj, P.L.; Lal, H.; Sharma, N.K.; Jayaprakash, J.; Chaturvedi, O.P.; Raizada, A.; Tomar, J.M.S. and Dogra, Pradeep (2013). Performance of mango based agri-horticultural models under rainfed situation of Western Himalaya, India. <i>Agroforestry System</i> . 87:1389-1404.	7.37
Remasha, T.; Manjaiah, K.M.; Tomar, J.M.S. and Ngachan, S.V. (2013). Effect of multipurpose tree species on soil fertility and Co2 efflux release under hilly ecosystems northeast India. <i>Agroforestry systems</i> , 87: 1377-1388.	7.37
Sharda, V.N.; Sena, D.R.; Shrimali, S.S. and Khola, O.P.S (2013). Effects of an intercrop-based conservation bench terrace system on resource conservation and crop yields in a sub-humid climate in India <i>Transactions of the American Society of Agricultural and Biological Engineers</i> , 56(4) : 1411-1425.	6.97
Sharma, K.K.; Mohapatra, B.C.; Das, P.C.; Sarkar, Bikash and Chand, S. (2013). Water budgets for freshwater aquaculture ponds with reference to effluent volume. <i>Agricultural Sciences</i> , 4(8) : 353-359 (doi:10.4236/as.2013.48051).	-
Singh, Raman Jeet; Ahlawat, I.P.S. and Kumar, Kuldeep (2013). Productivity and profitability of the transgenic cotton-wheat production system through peanut intercropping and FYM addition. <i>Experimental Agriculture</i> . doi: 10.1017/S0014479713000197 : 321-335.	7.06
Singh, Y.P.; Singh, Sudhir and Dubey, S.K. (2013). Frequency of deep tillage and residual sodium carbonate neutralization of sodic water on soil properties, Yield and quality of clusterbean and wheat grown in a sequence. <i>Agric Research (Springer)</i> : DOI 10.1007/s40003-013-0081-7: 1-8.	-
Somasundaram, J.; Chaudhary, R.S.; Lakaria, B.L.; Saha R.; Sinha, N.K.; Singh, R.K.; Jha P.; Singh R. K.; Subbarao, A. (2014). Pothole Formation and Occurrence in Black Vertisols of Central and Western India. <i>Agric Res.</i> , 3(1) : 87-91.	-
Tomar, J.M.S.; Das, Anup and Arunachalam, A. (2013). Crop response and soil fertility as influenced by green leaves of indigenous agroforestry tree species in a lowland rice system in northeast India. <i>Agroforestry Systems</i> , 87 : 193-201.	7.37

### National

Research Paper	NAAS Score
Adak, Tarun; Kumar, Gopal and Chakravarty, N.V.K. (2013). Agro-climatic models as a tool to predict biophysical variables and productivity in oilseed Brassica ( <i>Brassica juncea</i> ) under semiarid subtropical environment, <i>Indian Journal of Soil Conservation</i> , 41(2) : 141-150.	4.90
Adhikari, R.N.; Singh, A.K.; Math, S.K.N.; Raizada, A.; Mishra, P.K. and Reddy, K.K. (2013). Augmentation of ground water recharge and water quality improvement by water harvesting structures in the semi-arid Deccan <i>Current Science</i> , 104(11): 1534-1542.	6.91
Alam, N.M.; Mishra, P.K.; Jana, C. and Adhikary, P.P. (2014). Stochastic model for drought forecasting for Bundelkhand region in Central India. <i>Indian Journal of Agricultural Sciences</i> , 84(2) : 255-260.	6.18
Alam, N.M.; Mishra, P.K.; Jana, C. and Adhikary, P.P. (2014). Stochastic model for drought forecasting for Bundelkhand region in Central India. <i>Indian Journal of Agricultural Sciences</i> , 84(2) : 79-84.	6.18
Ali, Shakir (2013). Estimation of surface water temperature in small recharge pond from air temperature. <i>Indian Journal of Soil Conservation</i> , 41(1) : 1-7.	4.90
Bagdi, G.L. and Kurothe, R.S. (2013). Participatory Technology Development an Approach in Watershed Development Programme - A Case study published in <i>Indian Journal of Soil Conservation</i> , 41(3): 293-298.	4.90

Research Paper	NAAS Score
Bagdi, G.L.; Kurothe, R.S.; Rao, B.K.; Pande, V.C. and Kumar, Gopal (2013). Farmer's perception towards adoption of bamboo in Mahi ravines published in <i>Indian Journal of Soil Conservation</i> , 41(1) : 83-87.	4.90
Bhaduri, Debarati and Pal, Sharmistha (2013). Diagnosis and Recommendation Integrated System (DRIS): Concepts and Applications on Nutritional Diagnosis of Plants - A Review. <i>Journal of Soil and Water Conservation, India</i> , 12(1) : 70-79.	3.68
Chand, Subhash; Sikka, A.K.; Madhu, M.; Singh, D.V.; Selvi, V.; Ragupathy, R.; Sundarambal, P. and Sharda, V.N. (2013). Sustainable Agricultural Development through Watershed Programme in Rainfed Areas : A case study in Coimbatore District of Tamil Nadu. <i>Indian J. of Agricultural Economics</i> , 68(3) : 370-371.	5.04
Chand, Subhash; Sikka, A.K.; Madhu, M.; Singh, D.V.; Sundarambal, P. and Kumar, Raj S. (2013). Women empowerment through micro financing under watershed programme in Tamil Nadu. <i>Indian J. Soil Cons.</i> , 41(1) : 77-82.	4.90
Devi, Bandana; Bhardwaj, D.R.; Panwar, Pankaj; Pal, Sharmistha; Gupta, N.K. and Thakur, C.L. (2013). Long term effects of natural and plantation forests on carbon sequestration and soil properties in mid-hill sub-humid condition of Himachal Pradesh, India. <i>Range Mgmt. &amp; Agroforestry</i> , 34(1) : 19-25.	6.17
Dotaniya, M.L.; Meena, H.M.; Lata, M. and Kumar, Kuldeep (2013). Role of phytosiderophores in iron uptake by plants. <i>Agricultural Science Digest</i> , 33(1) : 73-76.	3.88
Dotaniya, M.L.; Sharma, M.M.; Kumar, Kuldeep and Singh, P.P. (2013). Impact of crop residue management on nutrient balance in rice-wheat cropping system in an Aquic hapludoll. <i>The Journal of Rural and Agricultural Research</i> , 13(1) : 122-123.	1.71
Goswami, S.; Verma, K.S. and Kaushal, R. (2013). Biomass and carbon sequestration in different agroforestry systems of a Western Himalayan watershed. <i>Biological Agriculture and Horticulture</i> , DOI: 10.1080/01448765.2013.855-990.	6.38
Jawahara, D.; Maruthi Sankar, G.R.; Renuka Devi, A.; Rajeswaria, M.; Subramaniana, V.K.L.; Sharma, K.L.; Mishra, P.K.; Ravindra Chary, G. and Bhaskar, K. (2014). Modeling effects of soil fertility of nutrients and precipitation of 22 years on sustainable productivity and profitability of pearl millet and sorghum rotation in semi-arid vertisols. <i>Communications in Soil Science and Plant Analysis</i> , 45(3) : 251-270.	6.42
Kanime, N.; Kaushal, R.; Tewari, S.K.; Raverkar, K.P.; Chaturvedi, S. and Chaturvedi, O.P. (2013). Biomass production and carbon sequestration in different tree-based systems of Central Himalayan Tarai region. <i>Forests, Trees and Livelihoods</i> , 22(1): 38-50.	-
Kannan, K.; Kundu, D.K.; Singh, R.; Thakur and Chaudhari S.K. (2013). Water Management and Other Agronomic Practices for Aerobic Rice in Eastern India. <i>J. Interacademia</i> , 17(3) : 466-473.	2.34
Kumar, Raj, Shamet, G.S., Chaturvedi, O.P. and Singh, Charan (2013). Ecology of chilgoza pine ( <i>Pinus gerardiana</i> Wall.) in dry temperate forests of North West Himalaya. <i>Ecology, Environment and Conservation J.</i> , 19(4) : 1063-1066.	3.71
Lenka, N.K.; Mandal, D.; Lenka, S. and Sudhishri, S. (2013). Soil loss tolerance limits for different physiographic regions of Odisha. <i>Journal of the Indian Society of Soil Science</i> , 61(4): 293-299.	4.95
Mahapatra B.C.; Sharma, K.K.; Sarkar, B.; Mallick, A.; Patnaik, P. and Majhi, D. (2013). Bamboo Frame Polyhouse Pond In Winter Season. <i>Journal of Aquaculture</i> , 17 : 13-18.	-
Mandal, D.; Dhyani, B.L.; Kumar, Ambrish; Singh, Charan; Bihari, Bankey; Muruganandam, M. and Madhu, M. (2013). Impact of different land use systems on soil quality in northwest Himalayan region. <i>Indian J. Soil Cons.</i> , 41(2) : 200-205.	4.90
Maruthi Sankar, G.R.; Sharma, K.L.; Reddy, K.S.; Pratibha, G.; Shinde, R.; Singh, S.R.; Nema, A.K.; Singh, R.P.; Rath, B.S.; Mishra, A.; Behera, B.D.; Subudhi, C.R.; Singh, B.; Singh, H.C.; Singh, A.K.; Rusia, D.K.; Yadava, M.S.; Thyagraj, C.R.; Mishra, P.K.; Sumachandrika, M. and Venkateswarlu, B. (2013). Efficient tillage and nutrient management practices for sustainable yields, profitability and energy use efficiency for rice-based cropping system in different soils and agro-climatic conditions. <i>Experimental Agriculture</i> , 49(2) : 161-178.	7.06
Maruthi Sankar; Sharma, K.L.; Gabhane, V.V.; Nagdeve, M.B.; Osman, M.; Pushpanjali; Gopinath, K.A.; Shinde, R.; Ganvir, M.M.; Karunakar, A.P.; Chorey, B.A.; Mishra, P.K., Venkateswarlu, B.; Singh, A. K.; Suma Chandrika, M. and Reddy, K.S. (2014). Effect of long-term fertilizer application and rainfall distribution on cotton productivity, profitability and soil fertility in a semi-arid vertisol. <i>Communications in Soil Science and Plant Analysis</i> , 45(3) : 362-380.	6.42

Research Paper	NAAS Score
Math, S.K.N. and Patil, S.L. (2013). Winter sorghum productivity as influenced by resource conservation and nutrient management - A farmer participatory approach. <i>Indian J. of Soil Cons.</i> , 41(2) : 163-169.	4.90
Mishra, P.K. and Tripathi, K.P. (2013). Soil and water conservation research for land management in India. <i>Indian J. Dryland Agric. Res. &amp; Dev.</i> , 28(1) : 1-18.	4.70
Mondal, Biswajit; Singh, Alka; Singh, S.D.; Kumar, Mukesh; Sinha, D. and Kumar, Suresh (2013). Decomposition of productivity growth in watersheds: A study in Bundelkhand region of Madhya Pradesh, India. <i>Scientific Research and Essays</i> , 8(48) : 2312-2317.	-
Murganandam, M.; Pande R.K.; Sharda, V.N.; Mishra, P.K. and Raizada, A. (2014). Myths, perception and knowledge of farmers on basics of fishes and fish farming in western Himalayas: A review of realities. <i>Indian Journal of Traditional Knowledge</i> , 13(1) : 70-86.	6.49
Muruganandam, M., Dhyani, B.L.; Bankey, B.; Kumar, Suresh; Singh, Charan; Mandal, D.; Kumar, Ambrish and Kumar, Rakesh (2013). Impact assessment of extension approaches for livestock healthcare management in Indian Himalayas. <i>Mountain Research and Development</i> , 32(2) : 132-141 ( <a href="http://dx.doi.org/10.1659/MRD-JOURNAL-D-12-00036.1">http://dx.doi.org/10.1659/MRD-JOURNAL-D-12-00036.1</a> ).	6.93
Muruganandam, Muthiah; Dhyani, Bihari Lal; Bihari, Bankey; Kumar, Suresh; Singh, Charan; Mandal, Dabasis; Kumar, Ambrish and Kumar, Rakesh (2013). Assessing extension methods for improving livestock health care in the Indian Himalayas. <i>Mountain Res. and Development</i> , 33(2) : 132-141.	6.93
Muruganandam, M.; Pande, R.K.; Sharda, V.N.; Mishra, P.K. and Raizada, A. (2014). Myths, perceptions and knowledge of farmers on basics of fishes and fish farming in western Himalayas: A review of realities. <i>Indian Journal of Traditional Knowledge</i> , 13(1) : 70-84.	6.49
Naik, B.S.; Jakhar, Praveen and Madhu, M. (2013). Status of Tribal Agriculture in Odisha Perspective. <i>Journal of Soil and Water Conservation</i> , 12(4) : 89-95.	3.68
Naik, B.S.; Panda, R.K.; Jakhar, Praveen; Dass, Anchal and Madhu, M. (2013). Appraisal of the erosion status in the eastern coastal region of India. <i>Indian J. Soil Cons.</i> , 41(2) : 121-126.	4.90
Naik, B.S.; Panda, R.K.; Nayak, S.C.; Sharma, S.D. and Sahu, A.P. (2013). Impact of pitcher material and salinity of water used on flow rate, wetting front advance, soil moisture and salt distribution in soil in pitcher irrigation - A laboratory study. <i>Irrigation and Drainage</i> , 62(5) : 687-694.	6.69
Osman, M.; Haffis, S.; Kareemulla, K.; Mishra, P.K. and Kumar, S. (2013). Watershed impact evaluation using time scale disparity index. <i>Indian J. Soil Cons.</i> , 41(2) : 192-199.	4.90
Pande, V.C.; Kurothe, R.S.; Sena, D.R. and Kumar, Gopal (2014). Cost of siltation in Sardar Sarovar reservoir : Implications for catchment treatment. <i>Current Science</i> , 106(1) : 35-39.	6.91
Pande, V.C.; Kurothe, R.S.; Singh, H.B.; Tiwari, S.P.; Kumar, G.; Rao, B.K.; Vishwakarma, A.K. and Bagdi, G.L. (2013). Economic Assessment of Soil Erosion Damage on Smallholder Farms in Marginal Lands of Mahi Ravines in Gujarat. <i>Agricultural Economics Research Review</i> , 26(1) : 63-71.	5.68
Panwar, Pankaj; Pal, Sharmistha; Chakravarty, Sumit and Alam, Mehrul (2013). Soil quality and production of low land paddy under agrisilviculture systems in acid soil of West Bengal, India. <i>Range Mgmt. &amp; Agroforestry</i> , 34(1) : 51-57.	6.17
Patil, S.L. (2013). Productivity of winter sorghum and chickpea as influenced by integrated nutrient management in Vertisols of Semi-Arid Tropical India, <i>Indian Journal of Soil Conservation</i> , 41(1) : 52-60.	4.90
Prabhavathi, M.; Patil, S.L. and Raizada, A. (2013). Assessment of soil fertility status for sustainable crop production in a watershed of semi-arid tropics in Southern India. <i>Ind. J. Soil Cons.</i> , 41(2) : 151-157.	4.90
Prasad, J.V.N.S.; Jyoti, C.N.; Ravichandra, K.; Srinivasrao, C.H.; Srinivasrao, K.; Srinivas, K.; Guled, M. B.; Sarawad, I.M.; Mulla, S.R.; Angadi, V.V.; Chary, G.R.; Mishra, P.K. and Venkateswarlu, B. (2013). Effect of long-term tillage and sources of nitrogen on crop yields of sorghum- sunflower rotation and soil carbon sequestration in rainfed vertisols. <i>J. of Agrometeorology</i> , 15 (Special Issue-II) : 170-175.	6.15
Prasad, S.; Kumar, Ambrish and Sharma, H.C. (2013). Dynamic modelling of natural spring discharge in mid-Himalaya. <i>Indian J. Soil Cons.</i> , 41(2) : 107-114.	4.90
Ram Newaj, Handa, A.K. and Chaturvedi, O.P. (2013). Performance of Intercrops with various clones of eucalyptus planted under agrisilviculture system. <i>Indian J. of Agroforestry</i> , 15(1) : 87-90.	4.50
Ram, Chatra; Singh, H.B.; Patel, R.B.; Singh, Hanuman and Kumar, Gopal (2013). Effect of various nutrient sources on productivity and economics of groundnut ( <i>Arachis hypogaea</i> L.). <i>Ann. Agric. Res. (New Series)</i> , 34(2) : 176-178.	3.02

Research Paper	NAAS Score
Ramesha, M.N.; Srinidhi, H.V.; Dubey, S.K. and Janoo, N.K. (2013). Forestry education at the State Agricultural Universities: Opportunities and future perspective. <i>The Indian Forester</i> , 139(4) : 341-345.	4.27
Ramteke, G.K.; Nagdeve, M.B.; Maruthi Sankar, G.R.; Wesley, C.J. and Mishra, P.K. (2013). Crop planning and productivity assessment in a semi-arid vertisol using MIKE SHE model. <i>Indian J. Soil Cons.</i> , 41(3) : 234-240.	4.90
Rao, B.K.; Chandrasekararao, C.; Anuradha, M. and Pande, V.C. (2012). Effect of micro sprinkler system on input use efficiency, labour cost and economic viability in tobacco seedling production, <i>Indian Journal of Agricultural Sciences</i> , 84(4): 439-443.	6.18
Rao, B.K.; Gaur M.L.; Kumar, Gopal; Kurothe, R.S. and Tiwari, S.P. (2013). Morphological characterization and alterations in cross section of different order streams of Mahi ravines. <i>Indian Journal of Soil Conservation</i> , 41(1) : 20-24.	4.90
Sahu, R.P.; Sachan, V.K. and Singh, Raman Jeet (2013). Constraints in adoption of vegetable production technology in Uttarakhand hills. <i>Technofame (A Journal of Multidisciplinary Advance Research)</i> , 2(2) : 31-34.	-
Sahu, R.P.; Singh, Raman Jeet and Ram, D. (2013). Knowledge gap about organic farming practices of farmers of Bageshwar district, Uttarakhand. <i>Journal of Interacademia</i> , 17(3) : 551-554.	8.47
Sahu, R.P.; Singh, Raman Jeet and Sah, Dinesh (2013). Skill gap of recommended production technology of wheat crop in hilly areas. <i>Technofame (A Journal of Multidisciplinary Advance Research)</i> , 2(1) : 51-53.	-
Sharma, A.; Maruthi Sankar, G. R.; Arora, S.; Gupta, V. and Mishra, P.K. (2013). Analyzing rainfall effects for sustainable rainfed maize productivity in foothills of Northwest Himalayas. <i>Field Crop Res.</i> , 145 : 96-105.	8.47
Sharma, K.K. and Dubey, S.K. (2013). Probability analysis of rainfall for planning water harvesting and irrigation in semi arid region of Uttar Pradesh, India. <i>Journal of Soil Conservation</i> , 41(1) : 14-19.	4.90
Sharma, K.L.; J. Kusuma Grace, J.; Raj, M.; Mittal, S.B.; Singh, J.; Sharma, S.K.; Sangwan, P.S.; Sidhpuria, M.S.; Vittal, K.P.R.; Mishra, P.K.; Maruthi Sankar, G.; Mandal, U.K.; Ravindrachar, G.; Korwar, G. R.; Venkateswarlu, B.; Madhavi, M.; Gajbhiye, P.N.; Suma Chandrika, D. and Usha Rani, K. (2013). Improvement and assessment of soil quality under long-term conservation agricultural practices in hot, arid tropical aridisol. <i>Communications in Soil Science and Plant Analysis</i> , 44(6) : 1033-1055.	6.42
Sharma, N.K.; Ghosh, B.N.; Kholra, O.P.S. and Dubey, R.K. (2013). Residue and tillage management for soil moisture conservation in post maize harvesting period under rainfed conditions of north-west Himalayas. <i>Journal of Soil Conservation</i> , 41(3) : 287-292.	4.90
Sharma, Pawan; Sharma, H.C.; Singh, P. and Prasad, R. (2013). Vermicomposts and biofertilizers for improved tomato productivity and soil properties in degraded soils of lower Himalayas. <i>Indian Journal of Soil Conservation</i> , 41(3) : 274-278.	4.90
Singh, A.K.; Sharma, K.K. and Kothari, Mahesh (2013). Design and development and testing of an improved tilting hydraulic flume for runoff and soil loss simulation studies. <i>Agricultural Engg. Today</i> , 37(3) : 1-5.	3.66
Singh, Pushpendra; Sumeriya, H.K.; Solanki, N.S.; Dubey, Ratnesh Kumar; Tiwari, R.C.; Murdia, Aajad and Golanda, S.L. (2013). Productivity and economics of elite sorghum [ <i>Sorghum bicolor</i> (L.) Moench] genotypes as influenced by different fertility Levels. <i>Annals of Biology</i> , 29(3) : 311-316.	2.98
Singh, Y.P.; Dubey, U.C.; Singh, Sudhir and Dubey, S.K. (2013). Interventions of Sodic Soil Reclamation Technologies and Constraints in their Adoption, <i>Indian Res. Journal Extension Edu.</i> , 13(1) : 36-40.	3.92
Somasundaram, J.; Singh, R.K.; Parandiyal, A.K.; Ali, S.; Chauhan, V.; Sinha, N.K.; Lakaria, B.; Saha, R.; Chaudhary, R.S.; Coumar, M.V.; Singh, R.K. and Simaiya, R.R. (2013). Soil Properties under Different Land Use Systems in Parts of Chambal Region of Rajasthan. <i>Journal of Agricultural Physics</i> , 13(2) : 1-9.	3.79
Srivastava, R.K.; Sharma, H.C.; Kumar, S. and Kumar, Ambrish (2013). Temporal change in land use of Himalyan watershed using Remote Sensing and GIS. <i>J. of Soil and Water Cons. India</i> , 12(1) : 80-84.	3.68

### Conference/Symposia papers International

- Narayan, D.; Biswas, H. and Tiwari, S.P. (2014). Rainwater harvesting and recycling for augmenting production under rainfed conditions in red soils of Central India. In. Proceedings on 2<sup>nd</sup> International Conference on Agricultural and Horticultural Sciences, Feb. 3-5, Hyderabad : 97.
- Narayan, D.; Kumar, Prabhat and Tiwari, S.P. (2014). Effect of in-situ rainwater conservation practices on resource conservation and growth of aonla (*Emblica officinalis*). World Congress on Agroforestry, Feb. 10-14, New Delhi, Abstract No. 1767.

- Prakash, O. (2014). Impact of community based water harvesting structures in Bundelkhand region of central India *In proceedings of International Symposium on Integrated Water Resources Management (IWRM - 2014)*, Vol. II (Eds. Prasad, N.B.N. *et al*) organized by CWRDM, Kozhikode (Kerala) February 19- 21 : 1081-85.
- Ratha, Krishanan P.; Jindal, S.K.; Ramesha, M.N. and Tiwari, J.C. (2013). Impact of Climatic variability on *Prosopis juliflora* and *Prosopis cineraria* in arid and semi-arid India. In: Proceedings of the International Conference on Impact of Climate Change on Food, Energy and Environment-ICCFEE 2013. Elsevier, a division of Reed Elsevier India Pvt. Ltd., New Delhi : 47-49 (www.Iccfee2013.com).
- Singh, Raman Jeet and Ahlawat, I.P.S. (2013). Growth behaviour of transgenic cotton with peanut intercropping system using modified fertilization technique. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 84(1): 19-30. DOI 10.1007/s40011-013-0200-z.

### National

- Bihari, Bankey; Dhyani, B.L.; Singh, Charan; Kumar, Ambrish; Kumar, Suresh and Sharma, S.K. (2014). *Parvatiya Kshetron Mein Uplabdh Jal Shroton per Jansabhagi Jal sansadhan Vikas Avam Prabandhan: Ek Anootha Avam Safal Prayas*. In: National Conference on Farmers First for conserving Soil & Water Resources in Northern Region (FFCSWR-2014) organized by IASWC and CSWCRTI, Dehradun from March 22-24 : 61-63.
- Mishra, P.K. (2013). Scope of refining farmers practice (ITKs) on soil & water conservation in rainfed areas in South India. In Souvenir of Conference on 'Farmers first for conserving soil & water resources in southern India (FFCSWR-2013)', 14-16 March, Bangalore : 48-53.
- Mishra, P.K. and Ojasvi, P.R. (2013). New paradigms in soil & water conservation under the climate change scenarios. In 24<sup>th</sup> National Conference on 'Sustainable Farming Systems and Bioindustrial Watershed Management for Food Security and Enhancing Income of the Farming Community' (Eds. Bhan *et. al.*), Lucknow, 16-17 April : 184-192.
- Mishra, P.K. and Raizada, A. (2013). Soil & Water Conservation Practices in the Low Rainfall Area of Semi-arid Tropics. Invited Paper. In Souvenir, Annual Convention: 2013 of ISSS at CAZRI, Jodhpur, 23-26 Oct.: 27-36.
- Mishra, P.K.; Kumar, Ambrish and Juyal, G.P. (2014). Uttar-Pashchim Himalayee Kshetron mein Paramparagat Takniki Gyan Adharit Mrida-Jal Sanrankshan Vidhiya. In: Souvenir of Conference on 'Farmers First for Conserving Soil and Water Resources in Northern Region' held at Dehradun during March 22-24 : 13-22.

### Short communication/ short note/ professional abstracts

- Alam, N.M.; Jana, C.; Tiwari, A.K.; Mishra, P.K. and Sharma, N.K. (2014). Statistical modelling of extreme rainfall in Shiwalik region. In: ISTS-IUFRO Conference on 'Sustainable Resource Management for Climate Change Mitigation and Social Security' during March 13-15 at Chandigarh: 170.
- Dubey, S.K.; Singh, A.K.; Panda, P.K.; Dubey, R.K.; Kala, S.; Meena, R.B. and Sharma, K.K. (2013). Resource appraisal of Jalalpur watershed in Yamuna ravenous region of central India. Abstract : 24<sup>th</sup> National conference on 'Sustainable Farming Systems and Bio-industrial Watershed Management for Food Security and Enhancing Income of the Farming Community' organized by Soil Conservation Society of India at Lucknow (U.P.) from April 16-17 : 386.
- Kumar, Ambrish; Mishra, P.K.; Juyal, G.P. and Dhyani, B.L. (2014). Modern tools and techniques in soil & water conservation for watershed management. In: Souvenir of All India Seminar on Emerging Technology for Sustainable Resource Management organized by The Institution of Engineers (India), held at Pantnagar during 13-14 March : 118-126.
- Kumar, Amit; Singh, K.N.; Brijlal; Chawla, Amit; Uniyal, S.K.; Kaushal, R.; Singh, R.D. and Ahuja, P.S. (2013). Regeneration pattern of tree species in forested landscapes of Himachal Pradesh, western Himalayan region, India. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. DOI 10.1007/s40011-013-0264-9.
- Kumar, Ashok; Singh, R.K.; Sethy, B.K.; Meena, H.R.; Parandiyal, A.K. and Ali, Shakir (2014). Participatory watershed approach for rural livelihood security in semi-arid region of South-eastern Rajasthan. In: Conference on 'Farmers First for Conserving Soil and Water Resources in Northern Region (FFCSWR-2014)' organized by IASWC, Dehradun, India, during 22-24 March : 63-64.
- Kumar, A.; Juyal, G.P.; Mishra, P.K. and Dhyani, B.L. (2013). Efficacy of agri-film lining of water harvesting tanks in hills. 47<sup>th</sup> ISAE and International Symposium on "Bio-energy- Challenges and Opportunities", Jan., 28-30 Hyderabad : 180. (SWC-WSHD-05).
- Kumar, Ambrish; Patra, S. and Mishra, P.K. (2013). *Parvatiya Kshetron Mein Bund-bund Sinchai: Eak Labhkari Taknik*. In Souvenir of State level Seminar on Micro-Irrigation System: Challenges and Prospects, Dept. of Horticulture and Food Processing, Uttarakhand, Dehradun, Dec. 9-10 : 22-23.
- Mishra, P.K., Kumar, A. and Chaturvedi, O.P. (2013). Soil & water conservation techniques for sustaining forest ecosystem. Abstract Proc. Asia Pacific Workshop on 'Water and Forests- Beyond Traditional Forest Hydrology', FRI, Dehradun, 23-25, September : 56.

- Mishra, P.K. (2013). Preparedness in Soil & Water Conservation Practices in Changing Climate Regime to Achieve Evergreen Revolution. Abstract Proc. of the 100<sup>th</sup> Session of the Indian Science Congress, Section of Agriculture and Forestry Sciences, 3-7 Jan., 2013, Kolkata : 53.
- Mishra, P.K. (2013). Soil and water conservation vis-à-vis climate change for sustainable food production. Invited Paper. International Conference on 'Climate Change and Implications for Water Resources and Nutrition Security', ILSI-India, Bangalore, 15-16 Nov. : 3.4.2-3.4.3.
- Mishra, P.K. and Juyal, G.P. (2013). Application of jute geotextiles for hill slope management. Proc. National Seminar on 'Jute and Allied Fibres in Changing Times- Issues and Strategies', Book of Abstracts, Indian National Fibre Society, NIRJAFT, January 3-5, Kolkata : 87.
- Mishra, P.K., Sena, D.R. and Kumar, A. (2013). Dying springs in western Himalayas: Cause and Rejuvenation. All India seminar on 'Conservation and Protection of Underground Water', The IE (I), Dehradun, 20-21 September : 147.
- Muruganandam, M.; Mishra, P.K. and Juyal, G.P. (2014). Fisheries vis-a-vis watershed management: A plea for inclusive development in Indian Himalayas. Proceedings: 3<sup>rd</sup> Sustainable Mountain Development Summit held during Sep. 25-27, 2013 at Kohima, Nagalan (<http://www.indiawaterportal.org/articles/new-vision-himalayan-streams>) : 13.
- Muruganandam, M.; Mishra, P.K. and Juyal, G.P. (2014). Watershed based fisheries development to promote fish production in water deficient regions of India. Proceedings of the National Seminar on Development of Fisheries in Water Deficient regions during Feb. 25-26 at CIBA, ICAR, Chennai : 13.
- Muruganandam, M. Sharda V.N.; Mishra, P.K., Juyal, G.P. and Pande, R.K. (2013). Integrated farming systems for sustenance of environment and rural livelihood : A review. Proc. of Intl. Exhibition and Conference on Water Technologies, Environmental Technologies and Renewable Energy. OMICS Group of Publishers, Hyderabad : 39.
- Narayan, Dev; Tiwari, S.P. and Biswas, H. (2014). Resource conservation and productivity enhancement through improved agro-techniques at farmers field in Bundelkhand region. In: Compendium of abstract of paper of the conference on 'Farmers First for Conserving soil & water resource in northern region' (FFCSWR-2014) (Eds. Chaturvedi et al) held from 22 to 24 March at Dehradun : 20.
- Pande, V.C.; Bagdi, G.L. and Sena, D.R. (2013). Understanding interactions in local governance of community based natural resources: Implications for policy intervention. Conference on 'Farmers First for Conserving Soil & Water Resources in Southern Region (FFCSWR-2013)' organized by IASWC, CSWCRTI, Dehradun held at Bangalore during March 14-16.
- Parandiyal A.K.; Meena, H.R.; Singh, R.K.; Sethy, B.K. and Kumar, Ashok (2014). Silvipastoral and hortipastoral land uses for productive utilization of Chambal ravines. In: Abstract of Conference on 'Farmers First for Conserving Soil and Water Resources in Northern Region (FFCSWR-2014)' organized by IASWC, Dehradun, India, during 22-24 March : 15.
- Patil, S.L.; Math, S.K.N.; Mishra, P.K. and Manikatti, S.M. (2013). Effect of rain water conservation practices and integrated nutrient management on resource conservation and sunflower productivity in SAT vertisols. Proc. National Conference on 'Sustainable Water Resources Planning, Management and Impact of Climate Change. Climate Change', BITS Campus Hyderabad, 5-6 April : 70-71.
- Patra, S.; Rathore, A.C.; Juyal G.P. and Mishra, P.K. (2013). Integration of low Cost water harvesting and micro-irrigation System for vegetable production for small farmers of NW Himalaya. In Souvenir of State level Seminar on Micro-Irrigation System: Challenges and Prospects, Dept. of Horticulture and Food Processing, Uttarakhand, Dehradun, Dec. 9-10 : 39-40.
- Raizada, A.; Chandra Prakash and Sastry, G. (2013). Enhancing *in-situ* retention of surface run off in degraded areas Selecting rainfall criteria to construct contour trenches. In: National Conference on 'Sustainable Water Resources Planning Management and Impact Climate Change' organized by Centre of Excellence in Water Resource Management, Department of Civil Engineering, BITS, Pilani, Hyderabad Campus, India from 5-6 April : 32-33.
- Rao, B.K.; Kurothe, R.S.; Pande, V.C.; Kumar, G.; Gaur, M. L.; Sharda, V.N. and Mishra, P.K. (2013). Bamboo plantation based interventions for stabilization of degraded ravine lands. 47<sup>th</sup> ISAE and International Symposium on 'Bio-energy- Challenges and Opportunities', Jan., 28-30 Hyderabad : 185. (SWC-WSHD-13).
- Rao, B.K.; Viswakarma, A.K.; Pande, V.C.; Kurothe, R.S. and Mishra, P.K. and Kumar, G. (2013). Effectiveness of vegetative filter strips in preventing soil and nutrient losses from crop fields. 47<sup>th</sup> ISAE and International Symposium on 'Bio-energy- Challenges and Opportunities', Jan., 28-30 Hyderabad : 182. (SWC-WSHD-08).
- Selvaraj, T. and Dinesh, D. (2014). *Methane Emission Potential Assessment through IPCC Model in Landfills of Chennai, Tamil Nadu*. Oral presentation- In: 4<sup>th</sup> International Conference on Climate Change and Sustainable Management of Natural Resources, held at ITM university Gwalior, from 12-14 February : 54.

- Selvaraj, T.; Dinesh, D. and Anandan, K.M.S. (2013). Assessment of productivity potential and pedological investigation in Subbalapuram soils series of Tirunelveli District of Tamil Nadu. In: Conf. Abstract 'Agril. Graduate Student Conf.' on *Food safety and food security*, held at TNAU, Coimbatore during 2-3 May : 235.
- Sharma, N.K.; Ghosh, B.N. and Singh, Raman Jeet (2013). Food security through introduction of agronomical interventions in a farmer's participatory mode in North-West Himalayan region. In: *Conference on 'Farmers First for Conserving Soil and Water Resources in Southern Region'* at UAS, GKVK, Bangalore from 14-16 March organized by IASWC, Dehradun, CSWCRTI, RC Bellary & Udhagamandalam and UAS, GKVK, Bangalore : 88-89.
- Singh, A.K.; Adhikari, R.N.; Rao, M.S. Rama Mohan and Reddy, K.K. (2013). Hydrological analysis for rejuvenation of traditional tanks in semi arid region of Karnataka - A case study. Conference on 'FFCSWR SR' held at Bangalore from March 14-16 organized by RC, Bellary, RC Ooty and UAS, GKVK, Bangalore : 58-59.
- Tomar, J.M.S.; Ahmed, A.; Mishra, P.K.; Mehta, H.; Kaushal, R. and Chaturvedi. O.P. (2013). Stemflow water harvesting: A new concept for utilizing rain water from tree. Abstract Proc. Asia Pacific Workshop on 'Water and Forests- Beyond Traditional Forest Hydrology', FRI, Dehradun, 23-25, September : 29.
- Tripathi, K.P. and Mishra, P.K. (2013). The requirements of farmers. Abstracts Proc. of Conference on 'Farmers first for conserving soil & water resources in southern India (FFCSWR-2013)', 14-16 March, Bangalore : 110-111.

### Bulletins

- Adhikari, R.N.; Patil, S.L.; Raizada, A.; Ramajayam, D.; Prabhavathi, M.; Loganandan, N.; Mondal, B. and Mishra, P.K. (2013). Participatory Resource Conservation and Management in Semi-arid India- A case study from Netranahalli watershed (Karnataka). CSWCRTI, RC, Bellary (Karnataka), Geetha Offset Printers, Bellary (Karnataka), India : p 65.
- Kannan, K.; Khola, O.P.S.; Selvi, V.; Singh, D.V. and Mohanraj, R. (2013). Agronomical management practices for higher productivity, resource use efficiency and farm income in semi-arid region Under NWDPR, Ayalur Watershed.

### Books

- Adhikari, R.N.; Patil, S.L.; Raizada, A.; Ramajayam, D.; Prabhavathi, M.; Loganandhan, N.; Mondal, B. and Mishra, P.K. (2013). Participatory Resource Conservation and Management in Semi-arid India - A case Study from Netranahalli watershed (Karnataka). CSWCRTI Research Centre, Bellary : 63p.
- Chaturvedi, O.P.; Juyal, G.P.; Sharma, N.K.; Mandal, D.; Muruganandam, M.; Sharma, Sangeeta N. and Kumar, Nirmal (2014). A Compendium of Abstract of Papers - Conference on "Farmers First for Conserving Soil and Water Resources in Northern Region" (FFCSWR-2014). Indian Association of Soil Conservationists, Dehradun : 78p.
- Dadhwal, K.S.; Panwar, Pankaj; Kaushal, Rajesh; Saralch; H.S. and Chauhan, Rajni (2014). Practical Manual on Agroforestry. Jaya Publishing House, Delhi : 277p.
- Madhu, M.; Jakhar, P.; Adhikary, P.P.; Gowda, H.; Sharda, V.N.; Mishra, P.K. and Khan, M.K. (2013). Natural Resource Conservation: Emerging Issues & Future Challenges. Satish Serial Publishing House, Delhi : 984p.
- Raizada, A.; Khola, O.P.S.; Mishra, P.K.; Manivannan, S.; Loganandhan, N. and Mandal, D. (2014). Farmer Innovations and Initiatives in Natural Resource Conservation in Southern Region. Indian Association of Soil Conservationists, Dehradun and CSWCRTI Institute, Research Centres, Bellary and Udhagamandalam : 106p.
- Srinivasarao Ch.; Ravindra Chary, G.; Mishra, P.K.; Nagarjuna Kumar, R.; Maruthi Sankar, G.R.; Venkateswarlu, B. and Sikka, A.K. (2013). Real Time Contingency Planning: Initial Experiences from AICRPDA. All India Coordinated Research Project for Dryland Agriculture (AICRPDA), CRIDA, ICAR, Hyderabad, India : 63p.
- Sundarambal, P. (2014). Role performance of formal and Informal leaders - A comparative Study in Agricultural Production. Lambert Academic Publishing Company, Germany (ISBN : 978-3-659--15678-6) : 164p.
- Tripathi, K.P.; Mishra, P.K.; Tiwari, U.C. and Sharma, S.K. (2014). ITK on Agricultural Production Based on Prediction of Climate and Other Operations. CSWCRTI (ICAR), Dehradun : 58p (ISBN : 978-81-924172-2-6).
- Venkateswarlu, B.; Osman, M.; Padmanabhan, M.V.; Kareemulla, K.; Mishra, P.K.; Korwar, G.R. and Rao, K.V. (2013). Field Manual on Watershed Management. Central Research Institute for Dryland Agriculture, Hyderabad : 247p.

### Souvenirs

- Chaturvedi, O.P.; Juyal, G.P.; Sharma, N.K.; Mandal, D.; Muruganandam, M.; Kaushal, R.; Sharma, Sangeeta N. and Kumar, Nirmal (2014). Souvenir - Conference on "Farmers First for Conserving Soil and Water Resources in Northern Region" (FFCSWR-2014), March 22-24, 2014. Indian Assoc. of Soil Conservationists, D.Dun : 122p.
- Verma, K.S.; Panwar, P.; Kaushal, R.; Chauhan, S.; Chander, J. and Chandel, R. (2014). Souvenir cum Abstracts of the ISTS-IUFRO Conference on Sustainable Resource Management for Climate Change Mitigation and Social Security. Indian Society of Tree Scientists and International Union of Forestry Research Organizations : 172p.



### Copyrights of Books/Manuals

- Dadhwal, K.S.; Sharda, V.N.; Chaturvedi, O.P.; Mehta, Harsh; Mohin, A.N. and Kumar, Nirmal (2012). Intellectual Property Assets of CSWCRTI (1999-2011). (Copyright No.: L-55606/2013 dated October 23, 2013).
- Dhyani, S.K.; Sharda, V.N. and Juyal, G.P. (2007). Training Manual on Soil Conservation & Watershed Management, Vol. III: Conservation Forestry and Management. (Copyright No.: L-56835/2013 dated December 13, 2013).
- Sharda, V.N. and Mandal, Debashis (2011). Priority Classes for Erosion Risk Areas in Different States and Regions of India. (Copyright No.: L-55643/2013 dated October 24, 2013).
- Sharda, V.N.; Juyal, G.P.; Prakash, C. and Joshi, B.P. (2007). Training Manual on Soil Conservation & Watershed Management, Vol. II: Soil and Water Conservation Engineering. (Copyright No.: L-50537/2013 dated June 20, 2013).
- Sharda, V.N.; Sikka, A.K. and Juyal, G.P. (2006). Participatory Integrated Watershed Management: A Field Manual. (Copyright No.: L-57177/2014 dated January 17, 2014).

### Book Chapters

- Adhikari, R.N.; Patil, S.L.; Raizada, A.; Prabhavathi, M.; Ramajayam, D.; Loganandhan, N.; Mondal, B.; Murlidhar, W. and Seshadri, B.N. (2013). Potential of on farm employment generation through natural resource conservation activities in watersheds of the Deccan region of India. In: *Natural Resource Conservation: Emerging Issues and Future Challenges* (Eds. M. Madhu et al.). Satish Serial Publ. House, New Delhi : 905-911.
- Adhikary, P.P.; Ramesha, M.N.; Tiwari., S.P.; Biswas, H., Durbude, D.G. and Narayan, D. (2012). Farm planning for resource conservation based on LCC and soil health criteria using GIS: A case study. In *Natural Resource Cons.: Emerging Issues and Future Challenges (Eds Madhu, et al). Satish Serial Publishing House, Delhi : 79-96.*
- Arunachalam A.; Tomar, J.M.S. and Chaturvedi, O.P. (2013). Research and policy framework for conservation and utilization of edible bamboo. In: Shetty et al. (eds) *Climate Change and Sustainable Food Security (Eds.: P.K. Shetty, S. Ayyappan and M.S. Swaminathan)*. National Institute of Advanced Studies, IISc, Campus, Bangalore and ICAR, New Delhi : 285-298.
- Bhatt, V.K.; Tiwari, A.K. and Parsad, Ram (2013). Application of Jute geo-textile in Punjab Shivaliks for control of mass erosion In: *Book of Chapters, National Seminar on Jute Geotextiles, National Jute Board Kolkata : 80-85.*
- Biswas, H.; Narayan, D.; Lakaria, B.L. and Sant Raj (2013). Effect of integrated nutrient management on soil properties and performance of aonla (*Emblica officinalis* Gaertn) based agri-horti system in Bundelkhand region. In: *Natural Resource Conservation: Emerging Issues and Future Challenges (Eds. Madhu et al). Satish Serial Publishing House, Delhi : 389-394.*
- Chaturvedi, O.P.; Kaushal, R. and Tomar, J.M.S. (2013). Alternate land use systems for resource conservation and livelihood security. In: 'Natural Resource Conservation: Emerging Issues & Future Challenges' (Eds.: Madhu et al). IASWC, CSWCRTI, Dehradun : 531-556.
- Chaturvedi, O.P.; Kaushal, R.; Tomar, J.M.S.; Parandiyal, A.K. and Panwar, P. (2014). Agroforestry for Wasteland Rehabilitation: Mined, Ravine and Degraded Watershed Areas. In: *Agroforestry Systems in India : Livelihood Security & Ecosystem Services, Advances in Agroforestry (eds. Dagar et al) Pub. Springer India : 233-271.*
- Kaushal, R.; Rajkumar; Tomar, J.M.S. and Chaturvedi, O.P. (2013). Alley cropping system. In: *Agroforestry: Theory and practices (Eds.: Antony, Joseph Raj and S.B. Lal). Scientific publishers, India : 354-364.*
- Kumar, Raj; Jayaprakash, J.; Tomar, J.M.S.; Chaturvedi, O.P.; Singh, Charan and Rathore, A.C. (2013). Fodder Production from Agroforestry Trees in Agroforestry: Theory and Practices (Eds: Antony Joseph Raj and S.B. Lal). Scientific Publishers, India.
- Mishra, P.K. (2013). Climate change: Adaptation strategies in rainfed agriculture. In: *Natural Resource Conservation: Emerging Issues & Future Challenges (Eds. Madhu et. al.). Satish Serial Publishing House, Delhi : 219-237.*
- Mishra, P.K. and Ojasvi, P.R. (2013). New paradigms in soil & water conservation under the climate change scenarios. In: *Proc. 24<sup>th</sup> Natl. Conf. on Sustainable Farming Systems and Bio-industrial Watershed Management for Food Security and Enhancing Income of the Farming Community (Eds. Bhan et. al.). SCSI, N. Delhi : 184-192.*
- Mishra, P.K. and Raizada, A. (2013). Soil and water conservation practices in low rainfall areas of the semi-arid tropics In: *Proceedings of the National Symposium on Agro-ecozone based land use planning, held at CAZRI, Jodhpur during Oct.23-26. (Ed. Praveen Kumar, S. Roy, N.R. Panwar and Mahesh Kumar) : 27-36.*
- Mishra, P.K. and Sena, D.R. (2013). Effect of water storage structures on groundwater recharge in various agro-ecological regions of India. *Groundwater Management in Uttarakhand. CGWB, Dehradun : 21-29.*
- Narayan, D.; Biswas, H.; Tiwari, S.P. and Adhikary, P.P. (2013). Resource conservation and food security through soil and water conservation practices. In *Natural Resource Conservation: Emerging Issues and Future Challenges (Eds: Madhu et al). Satish Serial Publishing House, Delhi : 503-510.*

- Pande, V.C. and Naik, Umesh M. (2013). Issues and perspectives in Groundwater Management: Lessons Learnt and Policy Implication. *In: Water Management in Agriculture* (Eds. Meena, M.S., Singh, K.M. and Bhatt, B.P.). Jaya Publishing House, New Delhi : 95-105.
- Pande, V.C.; Kurothe, R.S.; Singh, H.B.; Tiwari, S.P.; Kumar, G.; Rao, B.K.; Vishwakarma, A.K. and Bagdi, G.L. (2013). Case study of economic assessment of soil erosion damage: Application to small holder farms in marginal lands of river systems. *In: Natural Resource Conservation Engineering Issues and Future Challenges* (Eds. Madhu et al.). Satish Serial Publishing House, Azadpur, Delhi : 923-934.
- Patil, S.L.; Math, S.K.N.; Adhikari, R.N.; Dogra, Pradeep; Channabasappa, K. and Reddy, K.K. (2013). Developing an Integrated Farming Systems using Multiple Criteria Decision Making Tools for the Dryland Alfisols in the Deccan Plateau, India. *In: Natural Resource Conservation Emerging Issues & Future Challenges* (Eds. M. Madhu, Praveen Jakhar, P.P. Adhikary, H.C. Hombe Gowda, V.N. Sharda, P.K. Mishra and M.K. Khan). Satish Serial Publishing House, Delhi : 585-600.
- Patil, S.L.; Math, S.K.N.; Adhikari, R.N.; Raizada, A.; Reddy, K.K. and Channabasappa, K. (2013). Confidence building innovative entry point activities for sustained participation of marginalized societies in watershed development programmes. *In: Natural Resource Conservation: Emerging Issues and Future Challenges* (Eds. M. Madhu et al.). Satish Serial Publishing House, New Delhi : 961-972.
- Raizada, A.; Prabhavathi, M. and Adhikari, R.N. (2013). Groundwater availability in watersheds of the dry zone A Boon or a Bane? A quality assessment. *In: Natural Resource Conservation: Emerging Issues and Future Challenges* (Eds. M. Madhu et al.). Satish Serial Publishing House, New Delhi : 785-792.
- Ramesha, M.N. and Gurunathan, N. (2013). Diagnosis and design in Agroforestry systems. *In: Agroforestry: Theory and Practice*, Anthony Joseph Raj and S.B. Lal (eds). Scientific Publishers. Jodhpur, India : 926p.
- Sena, D.R.; Yadav, R.K.; Mishra, P.K.; Kumar, Satyendra; Jana, Chayna; Patra, S. and Sharma, D.K. (2014). *Simulating the effect of transplanting dates and irrigation schedules on water productivity of irrigated rice in upper IGP using the APSIM model*. In Ed: The SAARC-Australia Project- Developing Capacity in Cropping Systems Modelling for South Asia. (Editors: Donald et al.), 02/2014 : 87-103 (ISBN: 978-984-33-7469-1).
- Singh, J.; Singh, M.; Jain, A.; Bhardwaj S.; Singh, Ajeet; Singh, D.K.; Bhushan, B. and Dubey, S.K. (2014) An Introduction of Plant Nutrients and Foliar Fertilization: A Review. *Precision Farming : A New Approach* : 258-320.
- Singh, R.K.; Osman, M. and Parandiyal, A.K. (2014). Agriforestry systems for resource conservation and sustainable agriculture in arid and semi-arid conditions. *In Agriforestry Systems and Prospects*. (Eds.: Pandey, C.B. and Chaturvedi, O.P.). New India Publishing Agency, New Delhi : 333-341.
- Singh, A.K.; Kala, S.; Dubey, S.K.; Mahopatra, K.P.; Rao, B.K. and Gaur, M.L. (2013). Impact of resources conservation treatments on runoff, soil loss and growth performance of bamboo for reclamation of Yamuna ravine systems of India. (Chapter-27). *In: Natural Resource Conservation: Emerging Issues and Future Challenges*. Published by Satish Serial Publishing House, Delhi-110033 (India) : 361-369.
- Singh, Surender; Singh, Raman Jeet; Kumar, Kuldeep; Singh, Balkar; Shukla, Livleen (2013). Biofertilizers and green manuring for sustainable agriculture. *In: Modern Technologies for Sustainable Agriculture* (Edition 1) (Eds.: Sunil Kumar et al.). New India Publishing Agency, New Delhi : 129-150 (ISBN: 978-93-81450-61-1).
- Tiwari, S.P. and Prakash, O. (2013). Rehabilitation of degraded lands in a tribal dominated watershed for environmental and livelihood security. *In: Natural Resource Conservation: Emerging issues and future challenges* (Eds. Madhu, M. et al). Satish Serial Publishing House, Delhi : 651- 660.
- Tomar, J.M.S.; Avashte, R.K.; Das, Anup and Chaturvedi, O.P. (2013). Alternate agroforestry systems for resource conservation in shifting cultivation Pp areas of North-eastern hill region of India. *In: Madhu et al* (eds) 'Natural Resource Conservation: Emerging Issues & Future Challenges' IASWC, CSWCRTI, Dehradun : 601-615.
- Tomar, J.M.S.; Kaushal, R.; Rathore, A.C.; Mehta, H. and Chaturvedi, O.P. (2013). Agroforestry practices for soil and water cons. *In: Agroforestry: Theory and practices* (Eds.: Antony et al.). Scientific publishers, India : 652-670.

### Technical/ Popular Articles

- Basak, B.B.; Pal, Sharmistha and Panwar, Pankaj (2013). बायोचार : टिकाऊ कृषि प्रणाली हेतु जादुई कला कार्बन | Kethi Dunia, 18(14), April, Patiala (Punjab) : 3.
- Basak, B.B.; Pal, Sharmistha and Panwar, Pankaj (2013). उत्पादन समृद्धि कम्पोस्ट : टिकाऊ कृषि हेतु एक उत्साहवर्धक विकल्प | Kethi Dunia, 18(15), 13<sup>th</sup> April, Patiala (Punjab) : 3.
- Bihari, Bankey; Sharda; V.N. and Sharma; S.K. (2013). जन सहभागी जल संसाधन विकास एवं प्रबंध | खेती (जनवरी): 14-18.
- Kannan, K.; Singh, D.V.; Selvi, V. and Khola, O.P.S. (2013). Malai Vembu (*Melia dubea*) for higher return. Vivasaya malar. Dinamalar.
- कौशल, राजेश, पंकज पंवार, ओपीओ चतुर्वेदी एवं सलिल तिवारी (2013)। एले क्रॉपिंग : भूमि संरक्षण, उर्वरता में सुधार और उत्पादन में वृद्धि के लिए एक विकल्प | कृषि वानिकी आलोक : 70-74 |

- कौशल, राजेश, ओपीओ चतुर्वेदी और अम्बरीश तिवारी (2013)। भूमि एवं जल संरक्षण में बांस का महत्व। खेती : 13-15।
- Kumar, Suresh; Dhyani, B.L. and Singh, Raman Jeet (2013). Depleting groundwater resources of Rajasthan state and its implications. *Popular Kheti*, 1(3) : 64-68. (online at www.popularkheti.info).
- Kumawat, K.L.; Devara, N.S.; Singh, D.K.; Shivhare, M.K.; Aswani, Gunjan and Meena, H.R. (2013). सब्जियों में बीजोपचार आवश्यक। विश्व कृषि संचार, 16 : 17-18.
- Meena, H.R. (2014). बायो गैस तकनीक : प्रदूषण एवं ग्लोबल वार्मिंग के प्रभाव को कम करने का माध्यम। *Veer Surajmal Times (Fortnightly News Letter)*, 6 : 6.
- Meena, H.R. and Meena, R.K. (2013). फल एवं सब्जियों का परिरक्षण। कृषि अमृत (Fortnightly News Letter), 19 : 7.
- Mishra, P.K.; Kaushal, R. and Chaturvedi, O.P. (2014). Agroforestry technologies for resource conservation and production of degraded lands. *Indian Farming*, 63(11) : 12-15.
- Muruganandam, M. (2013). Catching fish by use of *timru* powder-During fishing festival at Aglar River of Garhwal Himalayas. *Fishing Chimes*, 32(12) : 46-49.
- Muruganandam, M. (2013). Importance of aquaculture in watershed management and rural development. *Fishing Chimes*, 32(11) : 34-42.
- Muruganandam, M. (2013). Practicable management techniques to control fish epizootic ulcerative syndrome in watershed ponds. *Indian Farming*, 63(9) : 43-44.
- Pande, V.C.; Vishwakarma, A.K.; Singh, H.B. and Tiwari, S.P. (2013). Drumstick based Agri-Horticulture Systems for profitability and resource conservation. *Indian Farming* (December).
- पांडे, वी. सी.; कुरोटे, आर.एस.; राव, बी. कृष्णा; कुमार, गोपाल (2013). बीहड़ भूमि के उपयोग हेतु बांस व अंजन घास आधारित उत्पादन का अर्थशास्त्र एम.ए.सी. कृषि जागरण, सितम्बर, 42.
- पांडे, वी.सी सिंह, खेश. जी.; विश्वकर्मा; खेड़े; कुमार, गोयल, राव, जी.डे. (2013) बीहड़ भूमि के उपयोग हेतु बांस व अंजन घास आधारित उत्पादन का अर्थशास्त्र एम.ए.सी. कृषि जागरण, सितम्बर : 42.
- Panwar, Pankaj and Pal, Sharmistha (2013). वर्षा आधारित ढलानदार क्षेत्रों में कृषि भूमि प्रोद्योगिकी द्वारा आजीविका सुरक्षा और संसाधन संरक्षण। शरद कृषि, 9(6), June, 20, Jodhpur (Rajasthan) : 14.
- Panwar, Pankaj; Kaushal, Rajesh and Chaturvedi, O.P. (2013). कृषिवानिकी द्वारा पारिस्थिकी तंत्र सेवाएं। *Kethi Dunia*, 18(24), 13<sup>th</sup> July, Patiala (Punjab) : 8.
- Panwar, Pankaj; Kaushal, Rajesh and Chaturvedi, O.P. (2013). कृषिवानिकी द्वारा उत्पादकता एवं आजीविका सुरक्षा। *Kethi Dunia*, 18(28), 13<sup>th</sup> July, Patiala (Punjab) : 8.
- Panwar, Pankaj; Kaushal, Rajesh and Pal, Sharmistha (2013). कृषिवानिकी द्वारा मृदा एवं जल संरक्षण। *Kethi Dunia*, 18(18), 4<sup>th</sup> May, Patiala (Punjab) : 5.
- पुरोहित, रेखा, रीना जोशी, राजेश कौशल एवं सलिल तिवारी (2013)। पॉपलर पौधशाला प्रबन्धन। किसान भारती : 20-21।
- Ranjan, Rajeev and Sharma, N.K. (2013). उत्तराखण्ड के पर्वतीय क्षेत्रों में मृदा एवं जल संरक्षण। *किसान भारती*, 44(7) (April) : 25-26.
- Sharma, N.K. and Singh, Raman Jeet (2013). Agronomic practices for erosion control. *Popular Kheti*, 1(3) : 57-60. (online at www.popularkheti.info).
- Singh, Ashok Kumar (2012). भारत के अर्द्ध शुष्क क्षेत्रों में सूखते पारम्परिक तालाब। *Vaganik*, 44(3 & 4), July- December Issue : 49-55.
- Singh, Khilendra; Singh, Raman Jeet and Sahu, R.P. (2013). किसानों के पास है ज्ञान की धरोहर। खेती, 66(8) : 36-37.
- Singh, Raman Jeet (2013). पर्वतीय क्षेत्रों के लिए वरदान वी.एल. धान-154। खेती, 65(10) : 12-13.
- Sundarambal, P.; Kannan, K.; Sahoo, D.C.; Madhu, M. and Chandran, B. (2014). *Thavarath Thaduppu Padimattam* (in Tamil). *Dinamalar News daily* on 26.2.14.
- Tiwari, A.K. and Pal, Sharmistha (2013). Saving the soil. *One India One people*, 16(12) July : 15.
- Tomar, J.M.S.; Prasad, Sunil; Kaushal, R. and Chaturvedi, O.P. (2012). Tree Fodder in Himalaya: Potential and Prospects. *ENVIS Bulletin on Himalayan Ecology* (ISSN No. 0971-7447) (20) : 33-36.

### Brochures

- Ghosh, B.N.; Sharma, N.K.; Dogra, P. and Mishra, P.K. (2013). Aromatic grass based conservation farming for erosion control and maize-wheat productivity in western Himalayan region. *CSWCRTI, Dehradun* : 8p.
- Narayana, Dev and Tiwari, S.P. (2013). Intercropping of Castor + greengram for resource conservation and higher productivity under rainfed conditions in red soils of Bundelkhand. *CSWCRTI, Research, Centre, Datia* : 7p.
- Narayana, Dev and Tiwari, S.P. (2013). Green manuring for resource conservation and enhancement of productivity of red soils of Bundelkhand. *CSWCRTI, Research, Centre, Datia* : 8p.

Raizada, A.; Ghosh, B.N.; Jayaprakash, J. and Singh, Charan (2014). Wasteland Utilization for Fodder and Firewood Production from High Density Plantations in the North West Himalayan Region. CSWCRTI, Dehradun. Printed at - Allied Printers, Dehradun : 8p.

### Newsletters

Dogra, Pradeep; Kaushal, Rajesh and Kumar, Nirmal (2013). CSWCRTI News (No.4 April to September 2013). CSWCRTI, Dehradun. Printed at - Allied Printers, Dehradun : 12p.

Dogra, Pradeep; Kaushal, Rajesh and Kumar, Nirmal (2014). CSWCRTI News (No.5 October 2013 to March 2014). CSWCRTI, Dehradun. Printed at - Allied Printers, Dehradun : 12p.

### Pamphlets

Kannan, K.; Selvi, V.; Singh, D.V.; Khola, O.P.S.; Mohanraj, R. and Murugesan, A. (2013). Coir pith composting - An alternate source of organic manure for rainfed Maize. Under NWDPR, Ayalur Watershed.

Kannan, K.; Khola, O.P.S. and Mohanraj, R. (2013). Malai Vembu (*Melia dubia*) for farm and agro forestry under NWDPR, Ayalur Watershed.

Kannan, K.; Khola, O.P.S. and Murugesan, A. (2013). Integrated nutrient management for groundnut based cropping system in semi-arid region under NWDPR, Ayalur Watershed.

Rajan, K.; Kashturi Thilagam, V., Dinesh, D.; Kannan, K.; Manivannan, S. and Khola, O.P.S. (2013). Importance of soil testing and soil sampling procedure.

### Technical Reports

वार्षिक प्रतिवेदन (Annual Report) 2012-13. CSWCRTI Dehradun : 200p.

Kumar, Gopal and B.K. Rao (2013). Land development technologies in watershed mode CSWCRTI, RC, Vasad (Pub. No. CSW-VSD-MAN-GLDC/2013) : 151p.

Kumar, Gopal and G.L. Bagdi (2013). Watershed treatment techniques for sustainable production CSWCRTI, RC, Vasad (Pub. No. CSW-VSD-MAN-08/2013) : 93p.

Kumar, Gopal and V.C. Pande (2013). Watershed treatment techniques and advancement CSWCRTI, RC, Vasad (Pub. No. CSW-VSD-MAN-01/2013) : 139p.

Kurothe, R.S. and Gopal Kumar (2013). Watershed treatment techniques for sustainable production CSWCRTI, RC, Vasad (Pub. No. CSW-VSD-MAN-07/2013) : 95p.

Kurothe, R.S.; Bagdi, G.L.; Pande, V.C.; Sena, D.R.; Vishwakarma, A.K.; Rao, B.K. and Kumar, Gopal (2013). Final consultancy report of mid-term evaluation of NHWD watersheds and Vidarbha region of India submitted to NABARD.

Kurothe, R.S.; Pande, V.C.; Kumar, Gopal and Vishwakarma, A.K. (2013). Assessment of effect of watershed project in drought mitigation in Saurashtra region of Gujarat.

Kurothe, R.S.; Pande, V.C.; Kumar, Gopal and Vishwakarma, A.K. (2013). Assessment of effect of watershed project in drought mitigation in Saurashtra region of Gujarat.

### Radio/TV Talks

शिवालिक दियां पहाड़ियां विच आडू दियां कासतां दियां सम्भावना on AIR dated 23-05-13 at 6:30 pm.

Dinesh, D. (2014). Soil health management and conservation technologies during celebration of National Science Day. Radio Astronomy Centre TATA Institute of Fundamental Research (RAC- TIFR), Udhagamandalam on Feb. 28.

Kumar, Kuldeep (2013). Weed management in rabi crops. AIR, Kota on 14th December.

Meena, G.L. (2013). गेहूँ की फसल में उर्वरकों संतुलित प्रबंधन | AIR, Kota on October 28.

Meena, G.L. (2013). खरीफ की फसलों के लिए उर्वरक प्रबंध और बुवाई | AIR, Kota on June 26.

Meena, G.L. (2013). प्याज की फसल में कृषि कार्य | AIR, Kota on April 23.

Meena, H.R. (2013). फलदार पौधों की रोपाई हेतु मुख्य बातें | AIR, Kota in Sajeer phne programme on July 31.

Meena, H.R. (2013). पौली हाउस में अगेली सब्जियों को कैसे उगायें | AIR, Kota on December 05.

Sundarambal, P. (2014). Activities of CSWCRTI RC Ooty and Recommended Soil and Water Conservation Measures for the Nilgiris (In Tamil). AIR, Udhagamandalam on February 4.

Tiwari, S.P. (2014). 'Fasal sangoshthi' on 25.3.2014 organized by Prashar Bharti, Door Darshan Kendra Gwalior in collaboration with KVK Datia represented by all districts department Heads of Agri. and line departments.

Tiwari, S.P. (2014). जल संरक्षण क्यों और कैसे | आकाशवाणी केन्द्र, ग्वालियर दिनांक 27.03.2014.