# of List of Publication

### **Publication in referred Journal**

#### International

- Ch. J. Dash, PP Adhikary, M Madhu, S. Mukhopadhyay, S.K. Singh, P.K. Mishra (2018) Assessment of spatial changes in forest cover and deforestation rate in Eastern Ghats Highlands of Odisha. Journal of Environmental Biology 39(2), 196-203.
- D Dinesh, L Chithra, M. Sankar, K. Rajan, K. Senthilraja, S. Ramachandran and P. R. Bhatnagar. 2017. Response of treated distillery effluent on soil microbial growth and enzyme activities in maize (*Zea mays* 1.) Grown under Vertisols. *Thebioscan.*, 12(4): 1907-1914(NAAS Raiting 5.26)
- D Dinesh, L. Chithra, M. Baskar, K. Rajan, K. Senthilraja, M. Sankar, Raj Kumar and K. Sivakumar. 2017. Variation of Soil Microbial Growth and Enzyme Activities by Application of Treated Distillery Effluent in Maize Crop Grown Under Sandy Loam Soils. *Int. J. Curr. Microbiol. App. Sci* (2017) 6(12): 1334-1348.(...5.38).
- D. Dinesh, A. Baskar, K. Rajan. 2017. Effect of cultivation methods and nitrogen management strategies on growth and yield of rice (Oryza sativa L.) grown in coastal alluvial soils of southern India. *International Journal of Current Microbiology and Applied Sciences*, (...5.38)
- Debarup Das, Amaresh Kumar Nayak, V. K. Thilagam, Dibyendu Chatterjee, M. Shahid, Rahul Tripathi, S. Mohanty, Anjani Kumar, B. Lal, Priyanka Gautam, B. B. Panda, S. S. Biswas. 2018. Measuring potassium fractions is not sufficient to assess the long-term impact of fertilization and manuring on soil's potassium supplying capacity. Journal of Soils and Sediments. https://doi.org/10.1007/s11368-018-1922-6.
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- Kaushak, R., Jayaprakash, J., Mandal, D, Kumar, A., Alam, N.M., Tomar, J.M.S., Mehta, H. And Chaturvedi, O.P. 2017. Canopy management practices in mulberry impact on fine and coarse roots. Agroforest Syst. (... 7.17).
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- Maina Kumari, O.P. Singh and Dinesh Chand Meena "Regional Variation in Agricultural Water Demand and Water Availability in Uttar Pradesh, India" in International Journal of Agriculture, Environment and Biotechnology Citation: IJAEB: 10(2): 253-262, April 2017 DOI: 10.5958/2230-732X.2017.00030.4 (...4.69)
- Maina Kumari, O.P. Singh and Dinesh Chand Meena Crop Water Requirement, Water Productivity and Comparative Advantage of Crop Production in Different Regions of Uttar Pradesh, India" in *Int.J.Curr.Microbiol.App.Sci* (2017) 6(7): 2043-2052 (... 5.38)
- Pande, V.C., Kurothe, R.S., Kumar, Gopal, Singh, H. B. & Tiwari, S. P. (2018). Economic assessment of agrihorticulture production systems on reclaimed ravine lands in Western India. *Agroforestry Systems*, 92(1): 195-211(...7.17)
- PP Adhikary . H. C. Hombegowda . D. Barman . P. Jakhar . M. Madhu, 2017 Soil erosion control and carbon sequestration in shifting cultivated degraded highlands of eastern India: performance of two contour hedgerow systems. Agroforest. Syst., 91:757–771(...7.17).
- PP Adhikary, Ch. J. Dash (2017) Comparison of deterministic and stochastic methods to predict spatial variation of groundwater depth. Applied Water Science 7 (1), 339-348.
- R. K. Dubey R. C. Dhaker S. L. Mundra R. C. Tiwari S. K. Dubey and Reena Dubey "Response of Indian mustard to Nutrients and Plant Growth Regulators: The Influence on Yield, Available Soil P Balance and P Recycling through Residues" in *International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706* Volume 6 Number 8 (2017) (...5.38)
- Raja, P., Nilendu Singh, Srinivas, C.V., Mohit Singhal, Pankaj Chauhan, Maharaj Singh and Sinha, N.K. 2017. Analysing energy–water exchange dynamics in the Thardesert. Climate Dynamics. Springer International Publishing, ISSN 0936-577X; DOI 10.1007/s00382-017-3804-9; C085:

- Rama Pal, R.K. Dubey, S.K. Dubey and A.K. Singh "Seasonal Variations in Physico-Chemical Properties of Yamuna Water and its Suitability for Irrigation"in International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 6 Number 12 (2017) pp. 1638-1647 ( ....5.38)
- Rama Pal, R.K. Dubey2, S.K. Dubey3 and A.K. Singh3 "Assessment of Heavy Metal Pollution through Index Analysis for Yamuna Water in Agra Region, India" in *Int.J.Curr.Microbiol*.App.Sci(2017)ISSN:2319-7706:6(12):pp:1491-1498(...5.38)
- Rama Pal, RK Dubey, SK Dubey, AK Singh and AK Nitant "Assessment of heavy metal pollution of Yamuna water in Mathura region through index analysis approach" in International Journal of Chemical Studies ISSN: 2349–8528 2018; 6(1): 399-402 (... 5.31)
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- Sharma, N.K., Singh, Raman Jeet, Mandal, D., Kumar, A., Alam, N.M., and Keesstra, S. 2017. Increasing farmer's income and reducing soil erosion using intercropping in rainfed maize-wheat rotation of Himalaya, India. Agriculture, Ecosystems & Environment 247: 43-53. (NAAS rating 10.04)
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## National

- A.K.Singh, S. Kala, S.K.Dubey, K.K.Sharma, A.K.Parandiyal, B.K.Rao and B.Prasad (2017) "Resource conservation and Economic utilization of Yamuna Ravine land through bamboo (Dendrocalmus Strictus) plantation" published in Indian Forester, 143(4):328-333
- Akram Ahmed., J.M.S. Tomar, H. Mehta, R. Kaushal, D. Deb, O.P. Chaturvedi and P. K. Mishra. 2018. Throughfall, stemflow and interception loss in Grewia optiva and Morus alba in north west Himalayas. Tropical Ecology (... 6.00).
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- Kumar, A., Dhyani, B.L., Bihari, B, Mandal, D., Singh. C., Desai, S, Shrama, S.K. and Garg, S. 2017. Design and development of gravity flow water conveyance system for irrigation in Himalayan foot hills Indian Journal of Soil Conservation 45(1): 40-44., (... 5.20)
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- Maina Kumari, O.P. Singh and Dinesh Chand Meena "Crop Diversification: Contribution to Agricultural Growth in Eastern and Bundelkhand Regions of Uttar Pradesh" in Trends in Biosciences 10(24):ISSN0974-8431, 5009-5014, 2017 (... 3.91)
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- Manivannan.S, V. Kasthuri Thilagam and O.P.S. Khola, 2017. Soil and water conservation in India: Strategies and Research Challenges. Journal of Soil and Water Conservation 16 (4): 312-319.
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- Nath, V., Kumar, G., Pandey S.D. and Gupta A. (2017) Status of litchi in India, Acta Horticulture, accepted dated-13-9-2017.
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- Sangita Aba Khatal, Ali, S., Hasan, M., Singh, D.K. Mishra, A.K. Iquebal, M.A. (2018). Assessment of Groundwater Recharge in a Small Ravine Watershed in Semi-arid Region of *India*. *Int.J.Curr.Microbiol.App.Sci.* 7(2): 2552-2565. (...5.38)
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- Singh, D.V., S. Patra, P.K. Mishra, N.K. Sharma, D.M. Kadam, Amrut S. Morade and D.K. Tomar (2018). Spring Water Harvesting System can Double the Farmers' Income in Hilly Areas. *Indian Farming*, 68(01):91-93.
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- Singh, G., Singh, S., Singh, R. M., Kumar, R., & Mishra, C. D. (2017). Assessment of natural groundwater recharge in Sonar sub-basin using HELP3 model: A case study. *Indian Journal of Soil Conservation*, 45(2), 176-182(...5.20)
- Singh, Raman Jeet (2017). Sustainable intensification of transgenic cotton in India A review. Indian Journal of Agricultural Sciences 87 (10): 1267-1276. (... 6.17).
- Yadav, S.K., Sarolia, D.K., Pilania, S., Meena, HR. and Mahawer, L.N. (2017). Studies on Keeping Quality of Preserved Guava Pulp during Storage. *International Journal of Current microbiology and applied sciences*, 6(3): 1235-1242. (...5.38)

#### **Conference and Symposia Papers**

#### International

- Kala, S., Parandiyal, A.K., Mina, B.L., Rashmi, I., Meena, H.R. and Singh, R.K. (2017). Selected Tree Farming Systems for Carbon Mitigation and Effective Utilization of Chambal Ravines. In Compendium of Abstract, 3<sup>rd</sup> International Conference on Bioresource and Stress Management, held during 8-11 November, 2017 at Jaipur, India: 390.
- Kasthuri Thilagam, V., S. Manivannan and O.P.S. Khola (2018).Effect of fertilizer applications on water quality in Sillahalla watershed of Nilgiris District. Abstracts, International Conference on 'Emerging Synergies in Agriculture, Food Processing Engineering and Biotechnology' at Karunya Institute of Technology and Sciences, Karunya University, Coimbatore, 21-23 February 2018
- Kumar, A., Ali, Shakir, Kumar, K. and Singh, R.K.(2017). Post adoption behavior of farmers towards Soil and water conservation measures in South eastern Rajasthan. In Abstracts(souvenir) International Conference on Conservation and Management of Agricultural & Natural Resources: Strategies for Food Security in Developing Countries organized by Career point university, Kota, India, during November 08-09, p.49.
- Kumar, K., Mina, B.L., Ali, Shakir, Kumar, Ashok and Singh, R.K.(2017). Conservation tillage systems for enhancing productivity and resource use efficiency in Rain fed area of south-eastern Rajasthan. In Abstracts(souvenir) International Conference on Conservation and Management of Agricultural & Natural Resources: Strategies for Food Security in Developing Countries organized by Career point university, Kota India, during November 08-09, p.16.
- Meena, G. L., Singh, R. K., Meena, H. R., Sethy, B. K. and Mina, B. L. (2017). Quantitative Assessment of Runoff and Soil Loss under Predominant Land Use Systems of South-eastern Rajasthan. International conference on "Conservation and Management of Agricultural Resources: Strategies for food security in developing countries (ICFS-2017)", held at Career Point University, Kota (Raj.), India, during November 08<sup>th</sup>-09<sup>th</sup>, 2017.
- Meena, G. L., Singh, R. K., Meena, H. R., Sethy, B. K., Mina, B. L. and Rashmi, I. (2017). Determination of Crop Coefficient Values of Soybean For Hadauti Region Using Fao 56 Penman-monteith Approach. International conference on "Conservation and Management of Agricultural Resources: Strategies for food security in developing countries (ICFS-2017)", held at Career Point University, Kota (Raj.), India, during November 08<sup>th</sup>-09<sup>th</sup>, 2017.
- Meena, H.R.; Kaushik, R.A.; Sarolia, D.K., Kala, S.; Singh, R.K.; Meena, G.L.; Mina, B.L. Mina and Rashmi,I. (2017). Effect of organic, inorganic and bio fertilizers on productivity and profitability of Sapota Cv. Kalipatti. In Souvenir, International Conference on "Conservation and Management of Agricultural Resources: Strategies for Food Security in Developing Countries" held during November 08-09, at Career Point University, Kota, Rajasthan: 24.

- Mina, B.L., Rashmi, I., Kumar, K., Ali, s., Kumar, Ashok and Singh, R.K.(2017): Effect of soil amendments on yield and soil fertility status under soybean-mustard cropping system. In Abstracts(souvenir) International Conference on Conservation and Management of Agricultural & Natural Resources: Strategies for Food Security in Developing Countries organized by Career point university, Kota, India, during November 08-09, p.18.
- Pawan Sharma, Vinod Kumar Bhatt, Sathiya, Krishnamurthy, Harish Sharma, and Lekh Chand (2017) Organic nutrient management and intercropping for improved rainwater conservation and productivity under rain fed maize-barley rotation. Proceedings of the Scientific Track at the Organic World Congress November 9-11, 2017 Volume 1

#### National

- Ali, Shakir, Sethy, B.K., Parandiyal, A.K., Kumar, Ashok, . Singh, R.K and Mina, B.L. *(2018)* Effect of staggered contour trenching on effective rainfall, yields and soil properties in ravine lands of Chambal river. Abstracts Conference on "Farmers First for Conserving Soil and Water Resources in Western Region (FFCSWR-2018), February 1-3, 2018. Indian Association of Soil and Water Conservationists, Dehradun, Uttarakhand: 17.
- Bhatnagar, P.R. (2018) "Soil and Water Conservation Techniques for Horticultural Development in Degraded Lands". Paper presented in "National Seminar on Natural Resources Management for Horticultural Crops under changing climatic conditions" at Centre for Water Resources Development and Management (CWRDM) Kozhikode during 16-17, March 2017.
- Bhatnagar, PR and VC Pande. 2018. Prevention of Ravine Advancement and its Reclamation Strategies in Mahi River Basin. Presented in 52<sup>nd</sup> Annual Convention of Indian Society of Agricultural Engineers (ISAE) and National Symposium on Doubling Farmer's Income through Technological Interventions, held at Anand Agricultural University, Anand during 8-10 January, 2018.
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- D. Dinesh, Gopal Kumar, Vijay Kakade, P.R. Bhatnagar, A.K. Vishwakarma, Nyonand & R.S. Kurothe presented "Effect of slope land cultivation on soil loss through sediments and runoff, crop yield under rainfed pearl millet (*Pennisetum glaucum*)" in the Conference on FFCSWR-2018 organized by IAS&WC during 1-3 Feb., 2018 at AAU, Anand
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#### **Radio/ Television Talk**

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- Dr S. Manivannan, Principal Scientistgave radio talk on FM radio, Ooty on 09<sup>th</sup> May 2017 on the topic of Rainwater harvesting and its multiple use.
- Dr. K. Rajan, Principal Scientist gave radio talk on "Soil Management for Hill Crops of the Nilgiris" at All India Radio, Udhagamandalam on 30.10.2017.
- Dr. S. Manivannan, Principal Scientist delivered a talk in Nakkubetta TV on "Soil and Water Resources in Nilgiris" on 23.08.2017
- Dr Ambrish Kumar, Principal Scientist delivered a Radio talk on *Jal Sanrakshan ki Aadhunik Vidheeya va Mahatava* at AIR Dehradun on 28/11/2018.
- Dr. H. Mehta, Recorded radio talk on 02-05-2017 in Akashwani Najibabad "Girta bhoo jal star" aired on 07.05.2017.
- Dr. H. Mehta, Recorded radio talk on 21.01.2017 in Akashwani Najibabad "Kharif main Dalhani Faslon ki Unnat Kheti" aired on 26-07-2017.
- Dr. H. Mehta, Recorded radio talk on 12.11.2017 in Akashwani Dehradun "Rabi main Surajmukhi ki Kheti" aired on 16.11.2017.