

Format for Scientist/technical/Administrative staff profile

1. Name : Dr Nishant K Sinha
2. Designation: Scientist (Agricultural Physics)
3. Date of birth: 04-Feb-1980
4. Education: Ph. D. (Agricultural Physics)
5. Major research areas: Root dynamics, crop growth simulation modeling
6. E-mail:nishant.sinha76211@gmail.com, nksinha@iiss.res.in
7. Mobile No.:8827710753
8. Professional experience (Applicable to all): 04 years
9. Awards (Applicable to Scientists):



- Best poster award for “Characterizing rooting behavior of chick pea under different tillage system” under the theme of Global Agronomy - Agronomy beyond Borders in 3rd International Agronomy Congress “Agriculture Diversification, Climate Change management and Livelihoods” held on 27-29 November, 2012 at IARI, New Delhi.
10. Publications (Applicable to Scientists- Ten best publications):
 1. **Nishant K Sinha**, Usha K. Chopra, Anil K Singh (2013). Cropping system effect on soil quality for three agro-ecosystems in India. *Experimental Agriculture*. doi:10.1017/S001447971300046X.
 2. **Nishant K Sinha**, Usha K. Chopra, Anil K Singh (2014). Soil physical quality as affected by management practices under Maize-Wheat System. *Natl. Acad. Sci. Lett.* 37(1):13–18.
 3. **Nishant K Sinha**, Usha K Chopra Anil K Singh (2013). Soil quality indicators under continuous cropping systems in the arid ecosystem of India. *African Journal of Agricultural research*. DOI: 10.5897/AJAR2013.7069.
 4. M. Mohanty, **Nishant K. Sinha**, K. Sammi Reddy, R. S. Chaudhary A. Subba Rao R. C. Dalal N. W. Menzies (2013). How important is the Quality of Organic Amendments in Relation to Mineral N Availability in Soils? *Agricultural Research*. DOI 10.1007/s40003-013-0052-z.
 5. M. Mohanty, **Nishant K. Sinha**, K.M. Hati, D.K. Painuli, R.S. Chaudhary (2012). Stability of soil aggregates under different vegetation covers in a vertisol of central India. *Journal of Agricultural Physics*. Vol. 12 (2) 1-12.
 6. J. Somasundaram, R. K. Singh, B.K. Sethy, A. K. Parandiyal, **Nishant K Sinha**, R.K. Singh, B.L. Lakaria and R.S. Chaudhary, (2012) Soil aggregates and other properties influenced by different long term land uses under table landscapes topography of Chambal region, Rajasthan, India. *Indian Journal of Soil Conservation* Vol. 40 (3) 212-217.
 7. J. Somasundaram, R.S. Chaudhary, B.L. Lakaria, R Saha, **Nishant K Sinha**, R. K. Singh, PramodJha, R. K Singh, A subba Rao (2013). Pothole formation and occurrence in black Vertisols of central and western India. *Agric Res* 3(1):87–91 DOI 10.1007/s40003-014-0098-6.
 8. J. Somasundaram, R.K. Singh, A.K. Parandiyal, Shakir Ali, V. Chauhan, **Nishant K. Sinha**, BrijLalLakaria, R. Saha, R.S. Chaudhary, M. VassandaCoumar, R.K. Singh and R.R. Simaiya (2013). Soil Properties under Different Land Use Systems in Parts of Chambal Region of Rajasthan. *Journal of Agricultural Physics*, Vol. 13, No. 2, pp. 139-147.
 9. J. Somasundaram, B.L. Lakaria, R Saha, **Nishant K Sinha**, PramodJha, R.S. Chaudhary, R. K. Singh, D. Mandal, K.M. Hati, K. Ramesh, M. VassandaCoumar, A.K. Biswas, P. Dey, K. Sammi Reddy, A subba Rao (2014). Management of stressed soils of dryland agriculture in semi-arid tropics-A review. *Indian journal of soil conservation* (accepted).
 10. R. K. Singh, R. S. Chaudhary, J. Somasundaram, I. Rashmi, K. M. Hati, **N. K. Sinha** and A. Subba Rao (2013). Impact of crop covers on soil organic carbon, runoff, soil-nutrients losses and crop productivity in Vertisols of Central India. *Indian Journal of Soil Conservation* (Accepted).