

## Profile Directory of Dr. Sanjeev Kumar Sinha

**Name-** Dr. Sanjeev Kumar Sinha

**Deg.-** Assistant Professor –cum- Scientist (Senior Scale)

**Dept.-** Soil Science, Sugarcane Research Institute, Pusa

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### Academic Details-

Exam Passed	Year of Passing	Name of University	Division/Grade	Subject of Specialization
Ph.D.	1994	R.A.U., Pusa	7.704/10	Major - Soil Science Minor - Soil Chemistry
M.Sc. Ag.	1990	R.A.U., Pusa	3.838/4.00 1 <sup>st</sup> class with honours	Major - Soil Science Minor - Agronomy & Plant Physiology
B.Sc. Ag.	1987	R.A.U., Pusa	3.611/4.00 1 <sup>st</sup> class	Soil Science, Agronomy, Plant Protection, Agril. Extension

**Research Area-** Integrated nutrient management for sustainable sugarcane production.

**Research Interest-** Soil Fertility.

### Research Paper Publications:

- (1) Prasad, B., Kumar, Raj. and **Sinha, S.K.** (1993) "Effect of Natural Iron complexes on diffusion of iron in calcareous soil". *J. Nuclear Agric. Biol.* 22 (3-4) : 214-217.
- (2) Prasad, B., Kumar, Raj. and **Sinha, S.K.** (1994) "Relative efficiency of ferrous Sulphate and Fe-chelates on growth and iron nutrient of rice Fe-deficient calcareous soil" *Oryza* 31, 131-135.
- (3) Prasad, B., Kumar, Raj. and **Sinha, S.K.** (1994) " Kinetics of Iron fulvates Reaction in a calcareous soil. *J. Indian soc. Soil. Sci.* 42 (4) : 548-554
- (4) Prasad, B. and **Sinha, S.K.** (1995) "Effect of Recycling of crop residues and organic Manure on capacity factor and diffusion rate of zinc in calcareous soil." *J. Nuclear Agric. Biol* 24 (3) : 185-188.

- (5) Prasad, B. and **Sinha, S.K.** (1995) "Nutrient Recycling through crop residues Management for sustainable Rice and Wheat production in calcareous soil". *Indian Journal of Fertilizer*, November 40 (11) : 15-25.
- (6) Prasad, B. and **Sinha, S.K.** (1996) "Kinetics of carbon mineralization in calcareous Soil Amended with crop Residues and organic manures". *J. Indian soil sci.* 44 (4): 772-774.
- (7) **Sinha, S.K.** and Prasad, B. (1996). "Forms of zinc and their availability in calcareous Soil treated with organic manures and crop residues" *J. Indian soc. Soil.Sci.* 44(4): 797-800.
- (8) **Sinha, S.K.**, Singh, V.N. and Singh, K.P. (1997) "Effect of continuous use of Fertilizers on physical and physico-chemical properties of an alluvial soil". *Journal of Research (BAU)* 9(1) : 31-34.
- (9) **Sinha, S.K.**, Singh, V.N. and Singh, K.P. (1997) "Effect of continuous use of Fertilizers on physical and physico-chemical properties of an alluvial soil". *Journal of Research (BAU)* 9(2) : 163-166.
- (10) Singh, Surendra., **Sinha, S.K.**, and sarkar, A.K. (1999) " Diagnostic survey for Plants Sulphur status of Niger". *Journal of Research (BAU)*. 11(2): 229-230.
- (11) Singh, Surendra., **Sinha, S.K.**, Singh, R.N., Saha, P.B. and Gupta, B.P. (2000) "Yield, S uptake and soil content of Niger as Influenced by Applied sulphur in Acidic Soil of Bihar plateau" *J. Indian soil sci.* 48 (i): 121-124.
- (12) Singh, Surendra., **Sinha, S.K.**, and Singh, K.P (2000) "Response of Niger Genotypes to Aplied Sulphur". *Journal of Research (BAU)* 12 (1): 97-99.
- (13) Surendra, Singh., **Sinha, S.K.** and Singh, K.P. (2001) " Effect of organic Residues on yield and S uptake by Niger". *Journal of Research (BAU)* 13 (2): 187-188.
- (14) **Sinha, S.K.**, Agrawal, B.K. and Nanda, K.K. (2004) "Morphological Studies in Soils of East Singhbhum". *Journal of Research (BAU)* , 16 (1) : 1-11.
- (15) Kumar, Udit., **Sinha, S.K.**, Kumar, Rajesh. and Prasad , K.K. (2007) "Effect of fertility levels and boron nutrition on growth, yield and quality of potato". *Journal of Research (BAU)*, 19 (2) : 211-216.
- (16) Kumar, Dinesh., Nanda, K.K., **Sinha, S.K.** and Sharma, I.P. (2009) " Effect of Sulphur Levels and Mustard Varieties on Growth, Yield and Oil Content in Sandy Loam Soil of Jharkhand" *Environment and Ecology* 27, 4A : 1783-1789.
- (17) **Sinha, S.K.**, Jha, C.K., and Alam, M. (2009) "Yield, uptake and Quality of Sugarcane as influenced by micronutrients and Sulphur application in calcareous soil of Bihar. *Journal of Research (BAU)*. 21 (1) :41-48
- (18) Kumar, Dinesh., Nanda, K.K., **Sinha, S.K.** and Sharma, I.P. (2010) "Response of S Levels on mustard varities and its uptake under sandy loam soils of Ranchi". *Environment and Ecology* 28 (i) : 148-151.

- (19) Prasad, S.S., **Sinha, S.K.**, Nanda, K.K and Ram, Hanuman. (2010) “Effect of soil amendments on physico-chemical properties of salt affected soils and yield attributing characters in rice-wheat cropping system”. *Environment and Ecology* 28 (1B) : 592-597.
- (20) Prasad, S.S., Nanda, K.K **Sinha, S.K.**, and Ram, Hanuman. (2010) “Effect of organic/inorganic amendments on nutrient uptake by rice-wheat cropping system in salt affected soil”. *Environment and Ecology* 28 (1B) : 543-546.
- (21) **Alam, M.** , Jha, C.K., Sinha, S.K., Kumari, Geeta and Chaudhary, B.C. (2010) “Use of bio-methanated distillery effluent in sugarcane - As source of plant nutrients” *Indian Journal of fertilizers* vol. 6 (7) : 56-61
- (22) **Sinha, S.K.**, Alam, M., Agrawal, B.K., Nanda, K.K. (2013) “ Suitable tillage Practices for rain fed low land rice based cropping system of East singhbhum district”. *Environment and Ecology* 31 (1) : 198-202.
- (23) Jha, C.K., **Sinha, S.K.**, and Alam, M. (2013). “Utilization of Bio-methanated distillery spent wash for sugarcane production and improving soil fertility”.*Environment and Ecology* 31 (4):1709-1713.
- (24) **Sinha, S.K.**, Alam, M., Agrawal, B.K., Nanda, K.K., and Sarkar, A.K. (2013) “ suitable tillage practices for increasing water storage capacity and yield of rice under upland soils of East Singhbhum district”. *Environment and Ecology* 31 (1) :193-197.
- (25) **Sinha, S.K.**, Alam, M., Agarwal, B.K., Nanda, K.K., and Sarkar A.K. (2013) “Suitable puddler for puddling in rainfed low land rice of East Singhbhum district”. *Environment and Ecology* 31 (A) :205-208.
- (26) Umesh, U.N., Kumar. Vipin, Alam, M., **Sinha, S.K.** and Verma, Kuhshboo(2013) Integrated effect of organic and Inorganic fertilizers on field quality parameter and nutrient availability of sugarcane in calcareous soil.  
**Sugar Tech** 15(4): 365-369
- (27) **Sinha, S.K;** Jha, C.K., Kumar Vipin; and Alam, M., (2013) Use of bio-methanated distillery effluent and an alternative source of K-fertilizer.  
**Indina Journal of fertilizers** vol 9(11) :56-61
- (28) **Sinha, S.K;** Jha, C.K., Kumar Vipin; Kumari Geeta and Alam, M., (2014) Integrated Effect of Bio-methanated Distillery Effluent and Bio-compost on soil properties, juice quality and yield of sugarcane in Entisol.  
**Sugar Tech** 16 (1):75-79
- (29) **Sinha, S.K,** Jha, C.K., Kumar Balwant, Paswan Sudhir, Alam, M., and Pandey S.S. (2015) Screening of sugarcane genotypes for quality jaggery production and healthy life. “ Progressive Agriculture” an international journal 15(2): 263-267.

- (30) Jha, C.K., **Sinha, S.K**, Alam, M., and Pandey, S.S. (2015) Effect of bio-compost and zinc application on sugarcane (*Saccharum species hybrid complex*) productivity, quality and soil health. *Indian Journal of Agronomy* 60(30) : 450-465.
- (31) Sinha. S.K., Kumar Vipin and Jha. C.K (2016). Effect of Integrated use of Bio-Compost and Nitrogen on Productivity and Soil Properties of Sugarcane Plant-Ratoon System in Calcareous Soil., *Sugar Tech*. DOI 10.10007/s12355-016-1501-7,
- (32) Jha, C.K., **Sinha, S.K**, Alam, M., and Pandey, S.S. (2017) “Fertilizer and manorial Potential of sugarcane Waste: An Overview” *Indian Journal of fertilizers* Vol, 13 (2), : 34-39.
- (33) **Sinha. S.K.**, Jha. C.K., Kumar Vipin., Panday. S.S. (2017) Yield and soil organic carbon pool in relation to soil fertility of sugarcane (*Saccharum species hybrid complex*) plant-ratoon system under integrated nutrient management. *Indian Journal of Agronomy*.Vol. 62(1):25, 25-30.
- (34) **S.K.Sinha**, C.K.Jha, Vipin Kumar and S.K. Thakur (2021) Influence of Plant Growth Regulators on Yield, Juice Quality and Nutrient Uptake by Sugarcane Grown under Waterlogged Situation of North Bihar. *Environment and Ecology* 39(4): 980-984.
- (35) C.K. Jha, S.K. Thakur, Ajeet Kumar and **S.K. Sinha** (2022). Effect of Graded Dose of Potassium on Yield and Juice Quality of Sugarcane Genotypes Grown under Waterlogged Condition in Calcareous Soil. *Environment and Ecology*. Accepted for publication in issue 40 (I) Jan-March, 2022.