



1. Name : **Dr. Satish Kumar Singh**

2. Designation: **Professor**

3. Academic Qualifications:

Sr.	Degree	Institution	Year
1.	B.Sc(Ag)	Banaras Hindu University, Varanasi	1985
2.	M.Sc.(Ag) Soil science & Agricultural Chemist	Banaras Hindu University, Varanasi	1988
3.	Ph.D. Soil science & Agricultural Chemist	Banaras Hindu University, Varanasi	1992

4. Area of Specialization: (brief writeup) if any:

Contributed in the field of soil classification, micronutrients nutrition of crops and heavy metals pollution in soil- water - plant continuum. Developed Zn and B application schedule for Hybrid rice and wheat system for Tarai region. Evaluated and identified a suitable extractant for predicting availability of heavy metals. Further critical toxic concentration of Cd and Ni for various crops established.

5. Contact Information: 09450388652(Mo), 0542 -6701370(O)

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6. Projects Undertaken as PI/ Co PI(if any): AsPI:01 ; As Co PI:04

7. Awards/ Recognitions (if any):

1. **Councillor** of Indian Society of Soil Science, New Delhi for 2006-07.

2. **Councillor** of the Indian Society of Soil Survey & LUP, Nagpur for 2005-2006.

3. Awarded **UGC/JRF** fellowship in Ph.D.

4. **Awarded Certificate of Honour** for presentation during national conference on "Value added agricultural Education – issues & Strategies" held at GBPUA&T. Pantnagar during 21-22 Oct.,2005

5. **Awarded Certificate Recognition** in acknowledgement of commendable performance while presenting research finding in National Conference "Environmental Pollution Prevention and Control for healthy leaving on 21 Nov,2000 Organised by University College of Medical sciences and GTB Hospital, New Delhi

6. **FELLOW OF INDIAN SOCIETY OF AGRICULTURAL CHEMISTS, ALLAHABAD-2009**

8. List of major Publications: (in order of importance)(if any)

(Performances/ exhibitions in the case of Faculties of Performing Arts and Visual Arts)

Published: 86 (Research Papers –31, Book – 06, Book chapters –05, Lab Manual-01, Popular Articles-17, Conference Papers - 26)

LIST OF MAJOR PUBLICATIONS

A. Laboratory Manual

1. *Soil fertility, fertilizer and Integrated nutrients management* by R. A. Gupta, Sobaran Singh, Sri Ram and S.K.Singh, College of Agriculture, GBPUA&T, Pantnagar

B. Technical Bulletin

1. Singh, P.K., Singh, S.K., Lal, R.L. and Narendra Singh (2007) Prospects and Strategies for Quality Litchi Production in Uttaranchal, Tech. Bulletin MM-1, IWNM-1, G.B.P.U.A & T, Pantnagar. pp 45.

C. Books

1. *Byoharic Mrida Parikshan evam Urvarak Prabandhan* 2004 by Shriram and S.K. Singh. Directorate of Publication, G.B. Pant University of Agriculture & Tech. Pantnagar.
2. *Krishi Vigyan-class-6*, Published By: Primary Education Council, UP-2005
3. *Krishi Vigyan-class-7*, Published By: Primary Education Council, UP-2005
4. *Krishi Vigyan-class-8*, Published By: Primary Education Council, UP-2005.
5. Management of Soil quality for sustainable agriculture Editors: B. Mishra, R. Chandra and S.K. Singh-2007
6. Fundamentals and Management of Soil Quality: R. Chandra & S.K. Singh -2009
Year: 2009; Publisher: Westville Publishing House, New Delhi

D. Book Chapters

1. Singh, S.K., Sharma, R.K., Surendra Singh and Srivastava, P.C. (2000). A study on industrial effluents and bioaccumulation of heavy metals as influenced by irrigation in Sikandarabad industrial region. In: R.K. Baslas and A.K. Srivastava (ed) *Reutilization of Industrial Effluents and Waste*. Pragati Prakashan, Meerut, India. pp. 62-67.
2. Srivastava, P.C., Prasant Srivastava, Singh, S.K. and Gangwar, M.S. (2000) Utilization of Coal Fly Ash; A Solid Waste from Thermal Power Station; in Agriculture and its Effects on Soil properties and Crop Yields. In: R.K. Baslas and A.K. Srivastava (ed) *Reutilization of Industrial Effluents and Waste*. Pragati Prakashan, Meerut, India, pp 123-131.
3. Singh, S. K. (2007) Soil Quality: An Overview. In: *Management of Soil quality for sustainable agriculture*. Satish Serial Publishing House, Delhi, pp. 17-25.
4. Singh, S. K. and Srivastava, P.C. (2007) Assessment of soil quality: Chemical Indicators. In *Management of Soil quality for sustainable agriculture*. Satish Serial Publishing House, Delhi, pp. 379-383.
5. Singh, S.K. and Ghosh, A.K. (2009) Soil Quality: A General Review (In Fundamentals and Management of Soil Quality Ed. R. Chandra and S.K. Singh) : pp 1-15.

E. Research Papers

1. Singh, S.K. (2009) Management of micronutrients for increasing crop productivity. *Indian Journal of Agricultural Chemistry*. Vol. XXXXII (1&2), 17-41.
2. Poonam Varshney, Singh, S.K. and Srivastava, P.C. (2008) Frequency and rates of Zn application under hybrid rice – wheat sequence in a Mollisol of Uttarakhand. *Journal of Indian Society of Soil Scienc*: 56(1): 92-98.
3. Sanjay Sachan, Singh, S.K. and Srivastava, P.C. (2007) Buildup of Heavy Metals in Soil–Water–Plant Continuum as Influenced by Irrigation with Contaminated Effluent. *Journal of Environmental Science and Engineering*: 49(4): 293-296.
4. Chaube, A.K., Ruhela, R., Chakraborty, R., Gangwar, M.S., Srivastava, P.C. and Singh, S.K. (2007) Management of Zinc fertilizer under pearl millet – wheat cropping system in a Typic Ustipsamments. *Journal of Indian Society of Soil Scienc*: 55(2): 196-202.
5. Peeyush. Mishra, Singh, S.K., Srivastava, P.C. and Sobaran Singh (2007) Vertical Distribution of DTPA-extractable Zn, Cu, Mn and Fe in some soils of Tarai and Rohilkhand plains in relation to soil properties. *Pantnagar Journal of Research*. 5(1): 92-98.
6. Singh, A.P., Srivastava, P.C. and Singh, S.K. (2007) Seasonal Variation in water quality of natural lakes of Nainital, India. *Ecology, Environment and Conservation* : 13 (1) : 137-141.
7. Srivastava, P.C., Singh, S.K. and Mishra, B. (2006) Crop response and profitability to applied secondary and micronutrients in cereals. *Indian Journal of Fertilizers*: 2(8): 45-51.
8. Pratibha Sahai, Srivastava, P. C., Singh, S.K. and Singh, A.P. (2006) Evaluation of organics incubated with zinc sulphate as Zn source for rice wheat rotation. *Journal of Ecofriendly Agriculture* : 1(2) :

9. Peeyush Mishra, Singh, S. K. Srivastava, P.C and Sobaran Singh (2006) Distribution of molybdenum and boron in Some Soils of Northern Alluvial Plain of U.P. and Uttaranchal in Relation to Soil Characteristics. *Agropedology*: **16**(1):60-62.
10. Siddiqui, A., Singh, A.P., Srivastava, P.C and Singh, S.K. (2006). Effect of Multi-micronutrients and Pressmud compost application on yield and nutrients uptake of sugarcane-ratoon sequence. *Indian Sugar*: 1: 33-42.
11. Siddiqui, A., Srivastava, P. C., Singh, A.P. and Singh, S.K. (2005) Effect of Zinc Sulphate and Pressmud application on yield, Zinc concentration and uptake of Sugarcane. *Indian Journal of Sugarcane technology*, **20** (1&2):35-39.
12. Amit Mishra, Kumar, N., Chandra. R. and Singh, S.K. (2005) Effect of Enriched Compost in Combination with Fertilizers on Nodulation, Growth and Yield of Soybean (*Glycine max* (L.) Merrill). *Soybean Research* **3**, 63-67.
13. Singh, T.R., Singh, S., Singh, S.K. and Singh, M.P. (2004) Influence of Integrated Nutrient management on properties of a Mollisol under Okra – Pea – Tomato Cropping Sequence. *Agropedology* , **14** (2): 92-95.
14. Singh, T. R. ; Singh, S.; Singh, S. K. Singh, M. P. and Srivastava, B.K. (2004) Effect of integrated nutrient management on crop nutrient uptake and yield under Okra-Pea-Tomato cropping sequence in a Mollisol. *Indian journal of Horticulture research*, **61**(4): 312-314.
15. Geeta Kandpal, Bali Ram, Srivastava, P.C. and Singh, S.K. (2004) Effect of metal spiking on different chemical pools and bioavailable fraction of heavy metals in sewage sludge. *Journal of hazardous Materials*, **106B**: 133-137, USA.
16. Rajput, D.K., Megh Naresh, Srivastava, P.C., Singh, S.K. and Gangwar, M.S. (2003) Effect of S, B and Zn application and their interaction on growth, yield and nutrient uptake of *Tagetes minuta* L. *Indian Perfumer*, **47** (1) : 91-97.
17. Chaube, A.K., Srivastava, P. C., Singh S.K and .Gangwar, M.S (2003) Comparative Evaluation of Different Methods of Zinc Application in Groundnut Grown in an alkaline Sandy Loam. *Pant Journal of Research*. **1**:29-31.
18. Chaube, A.K., Srivastava, P.C., Singh S.K and .Gangwar, M.S (2002) Efficacy of different methods of Zinc application in Groundnut. *Journal of oilseed research*, **19**(2): 237-238.
19. Ashok Kumar, Yadav, B.R., Singh, S.K. and Pathak, H. (1998) Effect of mixed industrial effluents on properties of ground water and irrigated soils. *J. Indian Soc. Soil Sci.* **46**(3): 427-29.
8. Ashok Kumar, Singh, S.K. and Yadav, B.R. (1997) Quality of ground water as influenced by an industrial effluents. *J. Indian Water Resource Soc.*, **17**(3):4:31-33.
20. Singh, S. K. and Agrawal, H.P. (1996) Distribution of micronutrients in relation to soil properties. *J. Scient. Res.*, **46**: 65-73.
21. Singh, S. K. and Agrawal, H.P. (1995). Morphology and Taxonomy of prominent soils developed in Alluvial Pedogenic complex of Gomati-Sai interflue, Distt. Jaunpur UP., *J. Scient. Res.*, **45**: 49-61.
22. Agrawal, H.P. and Singh, S.K. (1995) Forms of sulphur in some soils of eastern Uttar Pradesh, *Agropedology*, **5**: 47-51.
23. Singh, S.K. and Agrawal, H.P. (1995). Vertical distribution of potassium in some normal (Ustochrepts) and salt affected (Halaquepts) soils of Jaunpur Distt. UP., *J. Potassium Res.*, **11**(1): 8-14.
24. Tiwari, R.C, Singh, S.K. and Pandey, D.K. (1992) Influence of Sulphur application on yield and chemical composition of some crops. *Fertilizer News*, **37**(6):23-26.

9. Additional Information/ Achievements (if any):

Research Guidance: M. Sc.(Ag) : 08 ; Ph.D: 02 : Farmers Training lectures – 35, Radio Talk – 07, T.V Talk-12
Participation in Kisan Gosthi-16,

ORIENTATION COURSE / TRAINING COURSE / SUMMER SCHOOL ATTENDED: 10

SEMINAR/SYMPOSIUM/ CONFERENCE / WORKSHOP ATTENDED: 23 National & 04 International

REVIEWER OF RESEARCH PAPERS: Journal of Indian Society of Soil Science, Indian Journal of Agricultural Sciences, Agropedology, Pantnagar Journal of Research, Archives of Agronomy and Soil Science.