



1. Name : **Dr. Anand Prakash Singh**

2. Designation: **Professor**

3. Academic Qualifications:

Sr.	Degree	Institution	Year
1.	All India Highere Sec.	C.B.S.E., New Delhi	1972
2.	B.Sc.(Hons.)	B.H.U.	1975
3.	M.Sc.(Ag.)	B.H.U.	1977
4.	Ph.D.	B.H.U.	1980
5.	Post Doctoral Research	Uni. of Adelaide, Australia	1988-90

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

Cation exchange / I.N.M. / Soil Quality

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6. Projects Undertaken as PI/ Co PI(if any):

Year	Title of Project	Funding Agency
1983-85	Pyrite As A Co-Fertilizer	P.P.C.L.
1986-89	Pyrite As A Source Of Sulphur	P.P.C.L.
1996-97	Studies Of Fertonic & Fertivam In Inceptisol Of Varanasi	INDO-ISRAEL LTD.
2001-2004	Effect of Sulphur and Manganese on content and quality of bran of different rice varieties	ICAR
2001-2003	Assessment and improvement of soil fertility and resilience of rain-fed production system	ICAR-NATP
2006-2008	Determination of nitrous oxide emission and crop yield through use of neem coated urea in different crops under varying soil condition vs normal urea	Indo Gulf Fertilisers

7. Awards/ Recognitions (if any):

Sl. No. Awards/ Recognitions

1. BHU Medal for first position in M.Sc.(Ag.) examination 1977 of Soil Science & Agricultural Chemistry
2. Binane Medal for first position in M.Sc.(Ag.) examination 1977 of the entire Faculty of Agriculture
3. Common Wealth Fellowship of Govt. of Australia for Post Doctoral Research (1988-90)
4. Councillorship of Indian Society of Soil Science (2004, 05)
5. Fellowship of Bioved Research & Communication Centre (2006)
6. Fellowship of Indian Society of Agricultural Chemists (2008)

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

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

1. Rastogi, P.L., Singh, A.P. and Srivastava, L.M. (1978) 'A study on different forms of extractable sulphur of some Vindhyan soils' J. Sci. Res. B.H.U. **XXIX** : 257-260.
2. Singh, B. and Singh, A.P. (1979) 'Fixation of potassium in soils as affected by an ammoniacal fertilizer' J. Indian Soc. Soil Sci., **27** : 272-274.
3. Singh, A.P. and Singh, B. (1980) 'Studies on the availability pattern of potassium, calcium and magnesium in soil at various stages of a cropping sequence' Van Vigyan, **XVIII** : 39-48.
4. Singh, M.: Singh, A. P. and Mittal, S.B. (1982) 'Effect of long- term fertilization and cropping on the potassium supplying capacity of soils' Pl. Soil., **65**:375-382.
5. Singh, R., Mittal, S. B., Singh, A. P. and Singh, Mohinder (1983) 'Studies on the depletion pattern of soil potassium in pearl-millet-wheat rotation' J. Indian Soc. Soil. Sci., **31** : 54-59.
6. Mittal, S. B., Singh, A. P., Singh, Mohinder and Singh, R. (1983) 'Phosphorus supplying capacity of soils and their relationship with phosphorus removal by maize' J. Indian Soc. Soil Sci. **31** : 241-244.
7. Mittal, S.B., Singh, A.P., Singh, Raghbir and Singh, Mohinder (1983) 'Phosphorus supply parameter of Hissar soils and its relationship with phosphorus removal by oats' Trop. Pl. Sci. Res. **1**: 247-250.
8. Singh, Mahendra, Mittal, S.B., Singh, A.P. and Singh, B. (1984) 'Effect of fertilizer potassium in an intensive cropping system on its availability in a sierozern soil' J. Indian Soc. Soil. Sci. **32** : 690-695.
9. Rao, P.N., Singh, A.P., Singh, B. and Singh, S. (1984) 'Effect of application of phosphorus and manganese on their availability in soil under wheat-green gram-rice sequence' J. Indian Soc. Soil.Sci., **32** : 763-765.
10. Rao, P. Narasimha, Singh, Anand P., Singh, S. and Singh, B. (1985) 'Effect of P and Mn application on available Zn and Fe in soil' J. Indian Soc. Soil Sci., **33** : 437-439.
11. Gupta, S.L. Kashyap, A.K. and Singh, A.P. (1985) 'Response of blue-green algae to copper : A comparative study' Indian J. Environ. **27** : 224-229.
12. Singh, S., Rao, P.N., Singh, B. and Singh, A.P. (1985) 'Effect of P and Mn on the uptake of Zn by crops in rotation' J. Indian Soc. Soil Sci., **33**:709-710.
13. Mittal, S.B., Mehta, S.C. and Singh, A.P. (1985) 'Exchange equilibria of K vs NH₄ in sodic soils of Haryana' J. Indian Soc. Soil Sci. **33** : 663-665.
14. Mishra, S. N. and Singh, Anand P. (1985) 'Effect of S and P fertilization on the availability of N in soil and its fixation and uptake by groundnut' Agric. Sci. Digest **5**:189-192.
15. Singh, B. and Singh, A.P. (1985) 'A study on potassium application in different soil types of Eastern Uttar Pradesh' J. Sci. Res., B.H.U. **35** : 139-144.
16. Singh, S., Rao, P. Narasimha, Singh, B. and Singh, A.P. (1985) 'Manganese concentration of crops as affected by phosphorus and manganese application to a wheat-mung-rice sequence' J. Sci. Res., B.H.U. **35**:133-138.
17. Singh, B., Singh, Surendra and Singh, A.P. (1985) 'Low grade pyrites on mustard crop in normal soil.' Agric. Res. Rural Dev. **8** : 26-28.
18. Singh, S., Singh, B., Singh, A. P. and Singh Surendra (1986) 'Impact of pyrites as a sulphur source on oil seed crops in normal alluvial soil' Curr. Agric. **10**:61-64.
19. Rao, P., Narasimha, Singh, A.P., Singh, B. and Singh, S. (1986) 'Response of a wheat based crop sequence to phosphorus and manganese application' Ann. Agric. Res. **7** : 16-23.
20. Singh, Mahendra, Mittal, S.B., Singh, A.P. and Singh, Raghbir (1986) 'Effect of Zn and organic materials on yield and Zn uptake in rice on normal and sodic soils' Agrochimica. **XXIX** : 377-382.
21. MeMa, S. C., Mittal, S.B. and Singh, A.P. (1986) 'Effect of potassium depletion on potassium-calcium exchange equilibria in soils' Soil Sci. **141**: 190-194.
22. Singh, Mahendra, Mittal, S.B., Singh, A.P. and Singh, Mohinder (1986) 'Evaluation of availability and Quantity/Intensity relationship of potassium in some soil series of Hissar, Haryana.' J. Indian Soc. Soil Sci. **34** : 421-424.
23. Rao, P. Narasimha, Singh, A.P., Singh, B. and Singh, S. (1986) 'Changes in available phosphorus and manganese in wheat based crop sequence' Andhra Agric. J. **33** : 236-239.
24. Singh, A.P., Mittal, S.B. & Mehta, S.C.-(1987) 'Potassium buffering capacity in relation to crop growth and soil variables in some tropical soils' Trop. Agric. **64**:217-220.
25. Mishra, S.N. and Singh, Anand P. (1987) 'Changes in carbohydrate fraction and ascorbic acid content of groundnut under the influence of sulphur and phosphorus fertilizers' Indian J. Plant Physiol. **XXX** 134-138.
26. Singh, A. P., Mehta, S. C. and Mittal, S. B. (1987) 'Potassium adsorption in some potassium depleted soils' J. Indian Soc. Soil Sci. **35** : 375-82.
27. Rao, P., Narasimha and Singh A.P. (1988) 'Effect of phosphorus and manganese on the protein content of some crop grains.' Andhra Agric. J. **35** : 156-157.
28. Mishra, S. N. and Singh, A.P. (1989) 'Studies on sulphur and phosphorus availability and uptake by groundnut.' Legume Res. **12**: 160-164.
29. Rao, P. Narasimha, Singh Anand P. and Singh B. (1989) 'Response of a wheat- greengram-rice sequence to phosphorus and manganese.' Curr. Agric. **13**:57-60.
30. Singh, B., Singh, A. P. and Singh, Surendra (1989) 'Effects of small doses of pyrites on yield and quality of ground and mustard grown in rotation' Agri. Sci. Digest. **9** : 57-61.
31. Manna, M. C. and Singh, A.P. (1990) 'Distribution of potassium and the response of maiLC to its application in some soils of Eastern Uttar Pradesh' Environ. & Ecology **8** : 635-638.
32. Singh, Surendra; Singh, A. P. and Singh, B. (1990) 'Effect of pyrites on yield and uptake of some micronutrients by groundnut and mustard crops grown in sequence' J. Res. (B.A.U.), **2**: 169-171.

33. Singh, Surendra, Singh, A.P. and Singh, B. (1991) 'Direct and residual effect of pyrites on yield, sulphur content and quality characters of groundnut and mustard.' J. Indian Soc. Soil Sci. **39** : 328-331.
34. Singh, Surendra, Singh, A.P. and Singh, B. (1991) 'Effect of pyrites ~eld, protein content and sulphur uptake by chickpea grown in Entisol.' J. Res. (B.A.U.) **3**:195-196.
35. Singh, Surendra, Singh, A.P. and Singh, B. (1992) 'Direct and residual effect of pyrites on yield, protein content and sulphur uptake by black gram and lentil in Entisol.' J. Indian Soc. Soil Sci. **40**: 584-585.
36. Manna, M.C. and Singh, A.P. (1992) 'Studies on the Q/I relationship of potassium in some soils of Eastern Uttar Pradesh' Indian agric. **36** : 157-162.
37. Roy, P., Singh, B. and Singh, Anand P. (1996) 'An approach towards enriching the soil environment through organic amendments, rock phosphate and phosphorus solubilizing micro-organisms.' Sustainable Agric. & Environ. **1** : 153-159.
38. Haldar, A. and Singh, A.P. (1997) 'Thermodynamic study of potassium-calcium exchange in Typic Rhodustalf, Aerie Ochraqualfand Entic Chromusterts using mole and equivalent fraction concept.' Agropedology, **7** : 96-101.
39. Sarkar, S., Singh, S.K., Singh, A.P. and Singh, S.R. (1998) 'Impact of profile water status on nitrogen use pattern of dryland barley under varying nitrogen levels.' Arch. Acker. Pfl. Boden, **43** : 417-428.
40. Prasad, M.R., Singh, A.P. and Singh, B. (1998) 'Yield, protein and nitrogen content and potassium uptake of summer moong as affected by water deficit and potassium application.' Indian agric., **42** : 21-25.
41. Haldar, A. and Singh, Anand Prakash (1998) 'Characterization and classification of three major soils of Eastern Uttar Pradesh.' Indian agric., **42** : 143-146.
42. Haldar., Abhijit, Singh, Anand Prakash and Das, Kaushik (1998) 'An ion-solvation type approach to cation-soil binding interaction : Analysis of thermodynamic data.' J. Indian Soc. Soil Sci., **46** : 184-189.
43. Haldar, A. and Singh, A.P. (1999) 'Thermodynamics of potassium-calcium exchange in soils using equilibrium and kinetic approaches.' J. Indian Soc. Soil Sci., **47** : 235-241.
44. Sarkar, S., Singh, S.K., Singh, S.R. and Singh, AP. (1999) 'Influence of initial profile water status and nitrogen doses on yield and evapotranspiration rate of dryland barley.' J. Indian Soc. Soil Sci., **47** : 22-28.
45. Roy, Prosenjit, Tarafdar, J.C. and Singh, A.P. (1999) 'Bio-organic influence on Mussoorie rock phosphate in rice-wheat cropping sequence in slightly alkaline environment.' J. Indian Soc. Soil. Sci., **47** : 795-798.
46. Prasad, M.R., Singh, A.P. and Singh, B. (2000) 'Yield water-vol-efficiency and potassium uptake by summer mungbean as affected by varying levels of potassium and moisture stress.' J. Indian Soc. Soil. Sci., **48** : 827-828.
47. Yadav, P.K., Singh, A.P., Raha, P. and Kumar Sanjai (2004) 'Content and quality of bran oil of Indian rice cultivars.' Indian Journal of Agricultural Biochemistry, **17**(2).
48. Singh, A.P. Raha, P. and Yadav, P. (2005) 'Effect of sulphur and manganese on content and quality of rice bran oil.' Indian Journal of Agricultural Biochemistry, **18**(1) : 19-23.
49. Pankaj K. Yadav, A.P. Singh, P. Raha and T. Chandrakar (2005) 'Effect of sulphur and manganese fertilization on yield and their uptake of different rice varieties.' Oryza (September, 2005).
50. Panda, N., Raha, P. and Singh, A.P. (2006) 'Soil Quality Concepts and applications.' Agrobios Newsletter, Vol. IV, No. 12, Page 46-48.
51. Yadav, P.K., Singh, A.P., Raha, P. and Kumar Sanjai (2006) 'Integrated nutrient management in wheat under reduced and conventional tillage systems after rice cultivation.' Crop Research, **32**(2) : 11-15.
52. Raha, P., Singh, A.P. and Yadav, P.K. (2006) 'Effect of temperature and preservatives on stabilization of rice bran.' Crop Research, **32**(1), 40-43.
53. Saha, R., Singh, A.P., Raha, P. and Dash Debiprasad (2007) 'Effect of long term integrated nutrient management on yield, nutrient uptake and soil health in rice-lentil cropping sequence.' Indian Jour. Agril. Chemistry (November, 2007).
54. Mohammad Shahid, A.P. Singh, D.K. Bhandari and Intjar Ahmad (2008) 'Assessment of Underground Water Quality in Julana Block of Jind District, Haryana.' J. Ind. Soc. Soil Sci. **56**(1): 123-125
55. Mohammad Shahid, D. K. Bhandari, Intjar Ahmad, A. P. Singh and P. Raha (2008) 'Study on fluoride content of groundwater in Jind District, Haryana, India.' American-Eurasian J. of Agric. & Environ. Sci. **4**(6): 670-676
56. Mohammad Shahid, D. K. Bhandari, A.P. Singh and Intjar Ahmad (2009) 'Groundwater Quality CT Appraisal and Categorization in Pillu Khera Block of Jind District, Haryana.' Asian J. Water Environment and Pollution. **6**(4): 67-71
57. Mohammad Shahid, A. P. Singh, Asha Sinha and Intjar Ahmad (2007) 'Crops' Growth Response to Crop Residue Management. In "Advances in Plant Physiology" (A. Hemantaranjan Ed.). Vol. XI. pp. 485-503.
58. Mohammad Shahid, A. P. Singh and Intjar Ahmad (2007) 'Water Pollution.' Agrobios (India). **VI** (5): 45-46.
59. Intjar Ahmad, A. P. Singh and Mohammad Shahid (2007) 'Sewage Water Irrigation and Heavy Metal Pollution in Soil and Plants.' Green Farming. **I**(2): 35-36.
60. Mohammad Shahid, A. P. Singh and Intjar Ahmad (2007) 'Soil Quality: Definition and Management.' Green Farming. **1**(3): 7-8.
61. Singh, A.P., Rakshit, A., **Raha, P.** and Shahid, M. A paradigm for soil resilience 2009 Chapter 4, in Fundamental and Management of Soil Quality, Ed. Ramesh Chandra and Singh, S.K., pg. 56-70.

9. Additional Information/ Achievements (if any):

- Worked as Student's Advisor of the Institute of Agricultural Sciences (1993 – 1996)
- Worked as Examination Incharge of the Institute of Agricultural Sciences (1995 – 1996)

- Member Proctorial Board of the University (2000-2003)
- Functioning as Incharge of the Training & Placement Cell since 2005-06. The tenure as witnessed a phenomenal increase in placement activities.
- President, Varanasi Chapter of ISSS – continuing