

Profile of Dr. A. B. Singh

1. Name (In block letter) : DR A. B. Singh
2. Designation : Principal Scientist
3. Date of Birth : 02 July, 1961
4. Education : Ph. D. (Biochemistry (Plant Sciences))
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6. Professional Experiences:

Designation	Organization	Period (From-to)	Duration
Principal Scientist (Biochemistry)	ICAR-IISS, Bhopal	22/03/2007	Till date
Sr. Scientist (Biochemistry)	ICAR-IISS Bhopal	22/03/1999 to 21/03/2007	8 years
Asstt. Prof. (Biochemistry)	CSK-HPKVV, Palampur	03/12/1992 to 20/03/1999	6 years, 03 months and 17 days

7. Professional recognition/awards/fellowship:

- i) Vice Chancellor Gold Medal Award for outstanding Academic performance during Master Degree Programme.
- ii) Executive member of the Indian Society of Agricultural Biochemists for the year January 2004 to December 2006
- iii) Council Member of Indian Society of Agricultural Resource Management Coimbatore for the year 2005-2006.
- iv) Indian Society of Agricultural Biochemist (ISAB) Fellow award for the year 2009-10 at BHU, Varanasi.
- v) Dr JPS Yadav Memorial Team, Award for contribution in Recycling of distillery effluents in agriculture for higher crop productivity and fertilizer saving and developing prescription for their safe use” at the 77th Annual Convention of the Indian Society of Soil Science on 3rd December 2012 at Ludhiana.
- vi) Shri Ram Puraskar by FAI New Delhi for the article “Saghan Phaslontpadhan mein Jasta Prabandh “Published in Khad Patrika, August, 2012 Issue.
- vii) Received 2nd best poster award in International Symposium on Organic farming and Renewable Sources of Energy for Sustainable Agriculture during 19-21, 2007 at R C A, Udaipur.
- viii) Received Best poster presentation award on Phyto-I Indian Society for plant Physiology during 24-26, 2011 at ramnarain Ruia College Matunga Mumbai.

8. Teaching Experience: Taught U G, PG courses of plant sciences (Biochemistry), Guided 20 M. Sc. and 08 Ph. D students of different disciplines including Biochemistry, Agronomy, Horticulture,

Plant Breeding, Soil Science, Microbiology, Plant Physiology and Vegetable Science during the year 1993 to March, 1999 at CSK-HPKV, Palampur.

9. Research work: Organic farming, recycling of various organic wastes, MSW, distillery effluents, evaluation of soil and plant quality under organic, inorganic and INM system, compost quality evaluation, package of practices for various crops etc.

10. Training: Organised three winter school 21 days, two model training 08 days and 30 farmers training in the institute.

11. Publications:

1. Research Journals-**54**
2. Technical Bulletins-10
3. Popular Articles: 30
4. Book Chapter/manuals-25
5. Paper published in conference/seminar proceedings **13**
- 6** Books-6

1. **Singh, A.B.**, Biswas Ashish K and Ramana S., (2003). Effect of distillery effluents on plant and soil enzymatic activities and groundnut quality. *J. Plant Nutr. Soil Sci.* 166: 345-347.
2. **Singh, A.B.**, Ghosh P.K., and Ajay (2003). Effect of integrated nutrient management practices on improvement in grain quality of soybean (*Glycine max*), sorghum (*Sorghum bicolor*) and wheat (*Triticum aestivum*) in multiple cropping systems in vertisol, *Indian Journal of Agricultural Science*, 73(2): 65-68.
3. **Singh, A.B.**, Saha, J.K., and Ghosh, P.K., (2008). Effect of nutrient management practices on soybean (*Glycin max*) – chickpea (*Cicer orietinum*) cropping system for improving seed yield, quality and soil biological health under rainfed condition. *Indian Journal of Agricultural Sciences* 78(6): 485-489.
4. **Singh, A.B.**, Ramesh, Panwar, N.R., and Ramesh, S., (2008). Nutritional quality of soybean (*Glycine max*), wheat (*Triticum durum*) and chickpea (*Cicer arietinum*) and soil biological properties as influenced by different organic manures. *Indian Journal of Agricultural Sciences* 78(9): 781-784.
5. Ramesh, P., Panwar, N.R., **Singh, A.B.**, Ramana, S., (2008). Effect of organic manures on productivity, nutrient uptake and soil fertility of maize (*Zea mays*)- linseed (*Limum usitatissimum*) cropping system. *Indian Journal of Agricultural Sciences*, 78(4): 351-354.
6. Ramesh, P., Panwar, N.R., **Singh, A.B.**, Ramana, S., and Rao, A.S., (2009). Impact of organic-manure combinations on the productivity and soil quality in different cropping systems in central India. *J. Plant Nutr. Soil Sci.* 172, 577-585.

7. Pedaprolu Ramesh, Nav Raten Panwar, **Amar Bahadur Singh**, Sivaloti Ramana and Annangi Subba Rao (2009). Impact of organic – manure combination on the productivity and soil quality in different cropping systems in central India *J. Plant Nutr. Soil Sci.*, 172: 577-585
8. Ramesh P, Panwar NR, **Singh AB**, Ramana S, Yadav Sushil Kumar, Srivastava Rahul and Subba Rao A (2010). Status of organic farming in India *Current Science*, **98(9)**: 1190-1194.
9. Panwar N R, Ramesh P, **Singh A B** and Ramana S (2010). Influence of Organic, chemical and Integrated Nutrient Management Practices on Soil Organic Carbon and Soil Nutrient Status under Semi-arid Tropical Conditions in Central India. *Communications in Soil Science and Plant Analysis*, **41:1–11** 1073-1083.
10. Brij Lal Lakaria, Muneshwar Singh, K Sammi Reddy, Biswas AK, Jha Promod, Chaudhary R S , **Singh AB** and Subba Rao A (2012). Carbon Addition and Storage Under Integrated Nutrient Management in Soybean –Wheat Cropping Sequence in a Vertisol of Central India. *National Academy Science Letters*, 35:131-137

Books:

- Singh A B**, Tripathi A. K. and A. Subba Rao (2010). Santuleet Poudh Poshan Avam Mridha Swaastha: Krishak Prashikshan Digdarshika, IISS, Bhopal (M. P) pp 1-156.
- Singh A B**, Sammi Reddy K, Manna MC and Subba Rao A (2011). Efficient Utilization of farm wastes for sustainable agriculture Published by Agro-tech Publishing Academy Udaipur, pp 1-328.
- Singh A B**, Sammi Reddy K, Manna MC and Subba Rao A (2011). Recycling Organic wastes Soil Health and Productivity. Published by Agro-tech Publishing Academy Udaipur, pp 1-344.
- Singh A B**, Tripathi A. K. and A. Subba Rao (2012). Jaivik kheti evam mrida swasthya: Published by Indian Institute of Soil Science Bhopal. (M. P), pp 1-154.
- Muneshwar Singh, A K Biswas, **A. B. Singh**, A. K. Tripathi, R H Wanjari, K Ramesh, Sanjay Srivastava and A Subba Rao (2013). Souvenir-Soil Health for Sustainable Productivity, Western Region Agriculture Fair, Indian Institute of Soil Science, Bhopal, pp 1-160.
- Subba Rao A, Singh A B , Wanjari R H, Ramesh K, Vassanda Coumar M and Shinogi K C (2014). Glimpses of IISS Contribution in Technology Generation and Dissemination. Indian Institute of Soil Science, Bhopal, p, 1- 124.