

Brief Resume of Dr. A. K. Singh

Dr. Ajay Kumar Singh, M.Sc. (Ag.), Ph.D.

Principal Scientist (Agronomy)

ICAR-Mahatma Gandhi Integrated Farming Research Institute (MGIFRI), Piprakothi- 845429, Motihari, East Champaran, Bihar

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Born: Uttar Pradesh, India; Category: General

Research Specialization

Agronomy- sugarcane agronomy, crop diversification, lac factory waste management, integrated nutrient management, integrated farming system, extension agronomy and training.

Academic Background

1987-1991 B.Sc. Ag. & AH with Honours., GBPUA&T, Pantnagar
1991-1993 M.Sc. (Ag.) in Agronomy, GBPUA&T, Pantnagar
1993-1997 Ph.D. in Agronomy, GBPUA&T, Pantnagar

Professional Service Experience

2001-2007	Scientific Officer	Genda Singh Sugarcane Breeding and Research Institute (UPCSR), Seorahi, Kushinagar, UP
2007-2012	Scientific Officer	U.P. Council of Sugarcane Research, Shahjahanpur, UP
2012-2012	Senior Scientific Officer	Sugarcane Research and Seed Multiplication Centre (UPCSR), Gola, Khiri, UP
2012-2012	Senior Scientific Officer	U.P. Council of Sugarcane Research, Shahjahanpur, UP
2012-2015	Senior Scientist	ICAR- Indian Institute of Natural Resins and Gums, Ranchi
2015-2017	Senior Scientist PB4	ICAR- Indian Institute of Natural Resins and Gums, Ranchi
2017-2018	Senior Scientist PB4	ICAR-Mahatma Gandhi Integrated Farming Research Institute, Motihari, Bihar
2018- contd.	Principal Scientist	ICAR-Mahatma Gandhi Integrated Farming Research Institute, Motihari, Bihar

Awards, Honours & Recognitions

2014 Young Scientist Award, Astha Foundation, Meerut, UP
2017 Bioved Fellowship Award, Bioved Research Institute of Agriculture & Technology, Allahabad, UP
2017 Outstanding Achievement Award, Science & Tech Society for Integrated Rural Improvement, Tharur, Warangal (Telangana)
2018 Distinguished Scientist Award, Endling Conferences, Pune, Maharashtra
2018 Life Time Achievement Award, Science & Tech Society for Integrated Rural Improvement, Tharur, Warangal (Telangana)
2019 Distinguished Achievement Award, Green Agri Professional Society, Dhanbad, Jharkhand

Publications

Total 136: Research papers 45, Books- 08, Book Chapters 17, Extension/Technical Bulletins 09, Training Manual 01, Popular/scientific articles 33, Conference Proceedings 20

Best-20 Publications

01. **Singh, A.K.** and Singh, N.P. 1995. Effect of varieties and seed rates on yield of mungbean and urdbean during summer. *Journal of Food Legumes (Indian Journal of Pulses Research)*, 8(1): 90-92.
02. **Singh, A.K.** and Sahu, J.P. 1996. Integrated weed management in late sown chickpea. *Journal of Food Legumes (Indian Journal of Pulses Research)*, 9(1): 78-79.
03. **Singh, A.K.**, Mahapatra, B.S. and Sharma, G.L. 1997. Chemical weed control in spring groundnut (*Arachis hypogea* L.). *Indian Journal of Weed Science*, 29 (1&2):34-38.
04. Sharma, G.L., Mahapatra, B.S., **Singh, A.K.** and Pandey, B.M. 1998. Role of summer legumes on productivity of Maize (*Zea mays*) – Wheat (*Triticum aestivum*) cropping system on sandy loam soil of western Uttar Pradesh. *Indian Journal of Agricultural Sciences*, 68(6):295-298.
05. **Singh, A.K.**, Singh, J., Rao, A.K., Singh Anil Kumar, Singh, S.B. and Sharma, M.L. 2009. Significance of pulse intercropping with sugarcane ratoon. *Indian Journal of Fertilisers*, 5(7): 25-27.
06. Singh, S.N., Singh, P.K., **Singh, A.K.**, Singh, S.C. and Sharma, M.L. 2009. Effect of planting geometry on physiological traits affecting sugarcane and sugarcane yield in subtropical India. *Indian Journal of Agricultural Sciences*, 79(4):317-320.
07. **Singh, A.K.**, Singh, S.N., Rao, A.K. and Sharma, M.L. 2012. Enhancing sugarcane (*Sacharum* hybrid complex) productivity through modified trench method of planting in sub-tropical India. *Indian Journal of Agricultural Sciences*, 82(8): 692-696.
08. Singh, S.N., **Singh, A.K.**, Malik, J.P.S., Kumar, R., Sunderpal and Sharma, M.L. 2012. Cultural-practice packages and trash management effects on sugarcane ratoons under sub-tropical climatic conditions of India. *Journal of Agricultural Science, Cambridge*, 150 (2): 237-247.
09. **Singh, A.K.**, Singh, S.N., Rao, A.K. and Kumar, A. 2013. Productivity, uptake of nutrients and soil fertility status under modified trench method of sugarcane planting. *Sugar Tech*, 15(2): 219-222.
10. Singh, S.N., **Singh, A.K.**, Singh, S.C., Kumar, R., Mohanty, M. and Sharma, M.L. 2013. Relay intercropping of autumn sugarcane with rice following potato for enhanced cane and sugar productivity in sub-tropical India. *International Journal of Agricultural and Statistical Sciences*, 9(1): 229-234.
11. **Singh, A.K.**, Singh, J.P., Yogi, R.K., Jaiswal A.K., Sequeria, D. and Singh, A. 2015. Impact of lac cultivation on economic strengthening of tribal women. *International Journal of Tropical Agriculture*, 33(2): 1027-1032.
12. Kumar, A., Jaiswal, A.K.; **Singh, A.K.** and Yogi, R.K. 2015. Knowledge up-gradation of extension functionaries on Non timber forest produce i.e. Lac via Model Training Course. *Journal of Community Mobilization and Sustainable Development*, 10(2): 199-205.

13. **Singh, A.K.**, Jaiswal, A.K., Bhattacharya, A., Singh, R.K., Singh A.K., Monobrullah M. and Ghosal S. 2015. Maximization of Profitability through Lac Production on *Flemingia semialata*- A Bushy Lac host. *Vegetos*, 28 (2): 219-222.
14. Jaiswal, A.K., **Singh, A.K.**, Singh, J.P. and Patamajhi P. 2015. Management of pod fly, *Elanagromyza obtusa* in a bushy lac host, *flemingia semialata* for quality seed production. *Indian Journal of Entomology*, 77(3): 278-282.
15. **Singh, A.K.**, Jaiswal, A.K., Monobrullah, M., Sinha, N.K. and Raizada A. 2018. Conserving broodlac on *Flemingia semialata* in *Albizia procera* (siris) plantation during summer season under rainfed condition. *Journal of Pharmacognosy and Phytochemistry*, SP1: 1157-1159.
16. **Singh, A.K.**, Ghosal, S., Sinha, N.K. and Kumar Nirmal. 2018. Utilization of lac factory waste for integrated nutrient management in brinjal and its effect on soil fertility. *Multilogic in Science*, 8 (Special E): 246-249.
17. Ghosal, S., Sharma, K.K., **Singh, A.K.** and Singh, B.P. 2018. Recent advances in lac production technologies. *Journal of Pharmacognosy and Phytochemistry*, SP1: 1598-1600.
18. Sinha, N.K., Ghosh, J., Lohot, V.D., Monobrullah, M., Ghosal, S., Sharma, K.K., **Singh, A.K.** and Brajendra. 2018. Effect of some plant growth regulators on growth, seed setting, seed shattering and seed yield in lac insect host plant *Flemingia Semialata* Roxb. *Journal of Pharmacognosy and Phytochemistry*, SP1: 2290-2292.
19. Yogi, R.K., **Singh, A.K.**, Kumar, N. and Sharma, K.K. 2018. Assessing minimum support price for non-wood forest products (NWFPS): A priority based policy intervention in India. *Multilogic in Science*, 8 (Special C): 261-267.
20. **Singh, A.K.**, Ghosal, S. and Monobrullah, M. 2021. Evaluation of lac factory waste on flower production. *Journal of AgriSearch*, 8(1):45-49.
