

**Name:** Dr. Ajay Kumar Singh

Date of Birth: 30.12.1970

**Qualifications:** Ph. D. (Agronomy)

**Designation:** Senior Scientist (Agronomy)

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Past Services:

Scientific Officer	29.05.2001	02.07.2007	U. P. Council of Sugarcane Research (GSSBRI, Kushinagar)
Scientific Officer	05.02.2007	04.09.2012	U. P. Council of Sugarcane Research, Shahjahanpur
Senior Scientific Officer	05.09.2012	15.10.2012	U. P. Council of Sugarcane Research (SRSMC, Kheri & SRI, Shahjahanpur)
Senior Scientist	18.10.2012	31.07.2017	ICAR-IINRG, Ranchi
Senior Scientist	11.08.2017	Continuing	ICAR-MGIFRI, Motihari

Major Research Areas

- Agronomic practices for sugarcane production
- Utilization of lac mud (waste of lac processing unit) as valuable manure
- Transfer of scientific lac production technologies

Significant Research Contribution

- Development of a new planting method “Modified Trench Method of Sugarcane Planting” which produced 25-30% higher cane yield and net returns as well as very well suited for intercropping.
- Developed many diversification systems of sugarcane production system including ratoon:- autumn sugarcane based cropping systems to replace the late planting of sugarcane, pulse intercropping with sugarcane ratoon, relay intercropping of autumn sugarcane with rice following potato, etc.
- Integrated nutrient management and cultural practices including trash management in sugarcane.
- Development of “Enriched lac mud (waste of lac processing factory) application technology in vegetables and floriculture”.
- Refinement and validation of lac production technologies:- conserving broodlac on *Flemingia semialata* in *Albizia procera (siris)* plantation during summer season under rainfed condition,

Research Publications:

- Research papers: 41
- Books authored: 1
- Books edited: 5
- Book Chapters: 12
- Extension/Technical bulletins: 7
- Popular articles: 21