

Profile of Scientist



1. **Name of the Scientist:** Dr. J. Singh

2. **Personal Biodata:**
 - a. **Position/Designation:** Principal Scientist
(w.e.f. October, 2006)
 - b. **Joining Date in ICAR:** 05th October, 1989
 - c. **Discipline & Specialization:** Plant Breeding (Ph.D. in Genetics & Plant Breeding)
 - d. **E-mail:** jyotsnendra@yahoo.com
 - e. **Mob.:** +91-9455038993
 - f. **Training/Advance exposure in the area of work:**
 - 21 days Training workshop on “**Theory and Methodology for Physiological and Molecular Basis of Stress Resistance in Crop Plants**” at WTC, IARI New Delhi in 1995
 - 11 days Training on “Adaptation of Plants to Waterlogging and Submergence at CAS, NDUA&T Kumarganj , Faizabad in 2004
 - 6 days *Training Programme* on “**DUS Testing – Principles and Procedures**” from September 13 – 18, 2004
 - 6 days *Training Programme* on “**Statistical Techniques Useful for DUS Testing**” in 2005
 - g. **Contribution to the Scientific Advancement:**
 - Publications in Research Journals: 25
 - Presentations in Seminar/ Symposia: 50
 - Book Chapters, Bulletins, Lead Papers, etc: 04
 - Seminar/ Symposia/ Workshops etc Attended: 25
 - Varieties Developed: 04
 - Varieties Developed [under AICRP(S)testing]: 15
 - Germplasm Registration: 02

3. **Future Planning of research (in bullets):**
 - To develop high yielding high sugar, red rot resistant and varieties for normal as well as stress conditions such as low input and waterlogging condition.
 - To develop techniques for seed cane packaging to increase quality and reduce cost of transportation

4. Publications (Best five):

1. P.K. Singh, A.K. Singh, Sanjeev Kumar and J. Singh (2010) Seed Cane Marketing – A multi-million industry in the offing. Current Science, Vol. 99, No.7: 883-887 (October 2010).
2. Gupta V., Raghuvanshi S., Gupta A., Saini N., Gaur A., Khan M.S., Gupta R.S., Singh J., Duttamajumder S.K., Srivastava Sangeeta, Suman A., Khurana J.P., Kapur R. and Tyagi A.K. (2009) The water-deficit stress- and red-rot-related genes in sugarcane. Functional Integrative Genomics published online 7th October (DOI 10.1007/s10142-009-0144-9) (NAAS Rating 6).
3. P.K. Singh, J. Singh Sanjeev Kumar and D.K. Pandey (2008). Effect of planting season on the growth behaviour of early maturing sugarcane (*Saccharum* spp. *hyb.* complex) variety under sub-tropical condition. Indian Journal of Agricultural Sciences 78(3): 220-
4. Archana Suman, A.K. Shrivastava, Asha Gaur, Pushpa Singh. J. Singh, R.L. Yadav. Nitrogen use efficiency of sugarcane in relation to its BNF potential and population of endophytic diazotrophs at different N levels. Plant Growth Regulation Vol: 54: 1-11.
5. R. K. Singh, M. S. Khan, S. Yadav, M. R. Singh, H. L. Madhok, S. Srivastava and J Singh (2011). Agrobacterium-mediated genetic transformation of subtropical sugarcane variety with Cry 1b gene. NATL ACAD SCI LETT, Vol. 34, No. 3&4: 1-9.

5. Other relevant activities of the Scientist (in bullets):

- Incharge, Seed Production Unit, IISR Lucknow
- Member of Different Committees of Institute
- Nodal Officer-II for DUS Testing of Sugarcane at IISR, Lucknow
- Nodal Officer for Seed Production of Sugarcane under ICAR Seed Project