

Profile of Scientist



1. **Name of the Scientist:** Dr. Dinesh Kumar Pandey

2. **Personal biodata:**

- a) **Position/Designation:** Principal Scientist
- b) **Joining date in ICAR:** March 31, 1986
- c) **Discipline and Specilization:** Plant Breeding, disease resistance
breeding in sugarcane

d) **Training/advance exposure in the area of work:**

- Techniques in germplasm conservation of orthodox seeds, NBPGR, New Delhi from Feb 12-Feb 23, 1996 (12 days)
- Advances in Crop breeding at PAU, Ludhiana from March 15-March 31, 1997(16 days)
- Training on IPR and its issues at IARI, New Delhi June 20-June 22, 2001(3 days)
- Organization and management on seed production and supply. Plant Breeding company Svalov Weibull, Svalov, Sweden from Aug. 18-Oct. 11, 1996(57 days)

e) **Contribution to the Scientific advancement (in about five bullets):**

- **Varietal development** and release of two rice varieties for high altitude and four rice varieties for mid altitude of Meghalaya
- Identified one genotype of Dhaincha(*Crotalaria juncia*) as green manuring possessing high nitrogen content.
- Identified green gram variety PS16 to fit as catch crop after wheat harvesting
- Six varieties of Sugarcane are under multi location testing in AICRP(S)
- Identified three genetic stocks of sugarcane with resistance to red rot

Received ICAR Team Research award

Publication

Research Paper : 25

Technical Articles: 7

Book chapters/manuals/bulletins : 3

Abstracts presented in seminar/symposia : 30

Books/ Conference Proceedings edited: 2

3. Future Planning of research(in bullets):

- Genetic base broadening for resistance to red rot by exploitation of interspecific hybrids/ basic *Saccharum spontaneum*
- Understanding of genetics of resistance to red rot
- Gene pyramiding for resistance to red rot pathotypes through recurrent population improvement

4. Publications (best five):

1. **D.K.Pandey** and Gupta H.S. 1993.Genetics of panicle exertion in cold tolerant rice(*Oriza sativa*) Plant Breeding, 111, 82-85.
2. **D.K. Pandey** and Nand Kumar Singh.2002. Genetic Variability, correlation and performance of short duration green gram (*Vigna radiata* L.) varieties in rice-wheat System. Progressive Agriculture 2: 94-95
3. **D.K. Pandey**, H.S. Gupta and P.S. Pandey 1999. Assessment of divergence in rice grown in iron toxic soil of Meghalaya. Indian Journal of Agric. Sciences 69(1): 69-70.
4. **D.K. Pandey** and Nand Kumar Singh.2002. Genetic Variability, correlation and performance of short duration green gram (*Vigna radiata* L.) varieties in rice-wheat System. Progressive Agriculture 2: 94-95.
5. **D. K. Pandey**, Rakesh Pandey, R.P.Mishra and Nand Kumar Singh. 2006. Variability and character association for green biomass and other green manuring traits in dhaincha (*Sesbania* sp). J. Farming System Research & Development 12(1&2):142-144
6. Sanjeev Kumar, J. Singh, P.K. Singh and **D.K. Pandey** (2007) Nonparametric measures of phenotypic stability for commercial cane sugar in sugarcane. Indian J. Genet., 67(4): 369-373.

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

- Acted as technical Project Leader of pigeon pea (germplasm & Breeder seed production) at National Level In AICRP(Pigeonpea)
- Nodal officer for IPR related issues
- Assisted as FAC member in farm related activities
- Acted as external examiner in evaluation of M.Sc.& Ph. D. Thesis