Division of Crop Research

Personal Details

Dr A K Choudhary
Principal Scientist (*Plant Breeding*)

Address : Room No. 205, Division of Crop Research, ICAR Parisar, PO: Bihar Veterinary College, Patna 800 014, Bihar, India P.O.- B.V.College, Patna-800014
Email-ID : akicar1968@gmail.com; akiipr23@yahoo.com

Research Interest

Pulses Improvement, Pulse Seed Hub

Research Highlights

Varieties, Donors and Prototypes Developed/Registered/in Process

1. IPA 203, IPA 206, IPA 204, IPA 234 and RCEA 14-5 (Pigeonpea)
2. DBGC 1, DBGC 2, DBGC 3, DBGC4, RCECK 15-2 and RCECK 15-4 (Chickpea)
3. DBGL 62, DBGL 105, DBGL 135 and DBGL 138 (Lentil)
4. RCEGP 16-1 (Grass pea)

Memberships / Fellowships

1. Indian Society of Genetics and Plant Breeding, IARI, New Delhi
2. Indian Society of Pulses Research and Development, IIPR, Kanpur
3. Indian Arid Legume Society, CAZRI, Jodhpur
4. Society for Upliftment of Rural Economy, Varanasi

Technology Developed

Publication Details

1. **Choudhary AK**, Chaudhari LB and Sharma KC. 2000. Combining ability estimates in early generation inbred lines derived from two maize populations. *Indian J Genet Plant Breed* 60: 55-61.
2. **Choudhary AK** and Singh VV. 2001. Inheritance pattern of growth habit in fenugreek. *Indian J Genet Plant Breed* 61: 369-370.
3. **Choudhary AK** and Shekhawat SS. 2004. Inheritance of growth habit and isolation of a natural determinate mutant in cluster bean. *J Arid Leg* 1(2): 183-184.
4. **Choudhary AK.** 2010. A wilt resistant line 'IPA 204' of long-duration pigeonpea (*Cajanus cajan*). *Indian J Agric Sci* 80: 907-909.
5. **Choudhary AK** and Singh D. 2011. Screening of pigeonpea genotypes for nutrient uptake efficiency under aluminium toxicity. *Physiol Mol Biol Plants* 17: 145-152.
6. **Choudhary AK,** Singh D and Iquebal MA. 2011. Selection of pigeonpea genotypes for tolerance to aluminium toxicity. *Plant Breed* 130: 492-495.
7. **Choudhary AK,** Sultana R, Pratap A, Nadarajan N and Jha UC. 2011. Breeding for abiotic stresses in pigeonpea. *J Food Leg* 24: 165-174.
8. **Choudhary AK,** Iquebal MA and Nadarajan N. 2012. Protogyny is an attractive option over emasculation for hybridization in pigeonpea. *SABRAO J Breed Genet* 44: 138-148.

9. **Choudhary AK,** Raje RS, Datta S, Sultana Rafat and Ontagodi T. 2013. Conventional and molecular approaches towards genetic improvement of pigeonpea for insects resistance. *American J Plant Sci* 4 (2A): 372-385.
10. **Choudhary AK,** et al. 2013. Narowing yield gaps through genetic improvement for Fusarium wilt resistance in three pulse crops of semi-arid tropics. *SABRAO J Breed Genet* **45**: 341-370.
11. **Choudhary AK**, Sultana Rafat, Vales MI, Saxena KB, *et al*. 2018. Integrated physiological and molecular approaches to improvement of abiotic stress tolerance in two pulse crops of the semi-arid tropics. *The Crop Journal* 6: 99-114.