

Proforma for information to be provided by the Teaching/Academic/Research Staff

Employee No. 16311



1. Name : (first name) **Vijay** (middle name) **Bahadur** (surname) **Chauhan**
2. Designation : **PROFESSOR**
3. Academic Qualifications :

Degree/Diploma	University/Institution	Year
B.Sc. (Ag)	Allahabad University	1972
M.Sc. (Ag)	Allahabad University	1974
Ph.D.	Banaras Hindu University	1985

4. Area of Specification : (brief writeup) : Epidemiology, biodiversity and management of Phytophthora blight, wilt and sterility mosaic of pigeonpea.
5. Contact Information :
6. Projects Undertaken as PI/Co PI:

Achievements

- Identified resistant and moderately resistant lines of pigeonpea against Phytophthora blight pathogen.
- Identified *Aspergillus niger* and *Trichoderma viride* as biocontrol agent against *Phytophthora drechleri* f. sp. *cajani*.
- Established practices for the management of Phytophthora blight of pigeonpea through integration of various components viz., moderately resistant genotype (KPBR 80 - 2 - 1), ridge (20cm height) method of sowing at the distance of 60 x 20cm. and intercropping with

mungbean.

Important publications:

1. Relationship between field levels , light and darkness on the development of Phytophthora blight of pigeonpea (*Cajanus cajan* (L) Millsp.). Phytopath. Z. 114: 160-167.1985.
2. Effect of weed infestation on the severity of Phytophthora blight of pigeonpea. Plant Disease, 75: 1230- 1232.,1991.
3. Influence of environmental factors on Phytophthora blight of pigeonpea. Indian. J. Pulses Research, 12: 206- 210.1999.
4. Role of endole-3-acetic acid in gall formation in Phytophthora infected stem of pigeonpea.J. Plant diseases and protection 107: 637- 642,2000.
5. Effect .of ajoen, a compound derived from garlic (*Allium sativum* L.) on *Phytophihora drechsleri* f. sp. *cajani*. Mycologia, 84: 104-108,1992.
6. Variability in pathogenicity and mycelial growth of *Phytophthora drechsleri* f.sp. *cajani* causing blight of pigeon pea. Ann. PI. Protec. Sci. 9: 244- 247,2000.
7. Multilocal evaluation of pigeonpea for resistance to Phytophthora blight. Indian J. PI. Protec. 21: 26- 27,1993.
8. Multilocal evaluation of pigeonpea (*Cajanus cajan*) for broad based resistance to sterility mosaic disease. Indian J. AgriI.Sci. 63 : 542 -546,1993.
9. An integrated management of Phytophthora blight of pigeonpea (*Cajanus cajan* (L.) Millsp.). Indian J. of Pulse Research. 18, 46-49,2005.
10. Evaluation of pigeonpea genotypes for resistance to *Phytophthora* blight. International chickpea and pigeonpea News Letter, 9, 42,2002.

Date :

Signature

Place :