Profile

DR. RAMJI SINGH
PROFESSOR
Born on 1st July, 1965
Ph.D. From GBPUA&T Pantnagar in 1990

Thesis Research Area: Epidemiology and Management of Karnal bunt of Wheat caused by *Neovossia indica* (Mitra) Mundkur

Ph.D. Guide: Dr. Amerika Singh**,**

Teaching:

Teach following cources

1. APP-111 Plant Pathogens and Principles of Plant Pathology.
2. APP-121 Crop Diseases and Their Management
3. APP-504: Principles of Plant Pathology
4. APP-513: Disease Resistance in Plants
5. APP-591/691: Master and Doctoral Seminar

Trained in the following relevant field of specialization

1. Sanitory and Phytosanitory certification.
2. Plant diseases diagnosis and management.
3. Priority Setting, Monitoring and Evaluation of research projects.
4. Development of good agricultural practices.
5. Organic farming.
6. Integrated diseases management.
7. Management of diseases in cereals, pulses, orchards ,vegetable crops, medicinal and aromatic plants, ornamemental plants etc.
8. Overall nursery management for vegetable crops.

Publications:

- ❑ Books-02
- ❑ Manuals-02
- ❑ Edited Books-01
- ❑ Research Papers-40
- ❑ Popular articles-10
- ❑ Students guided: Ph.D. 5 , 9 M.Sc.(Ag).

Awards: Vigyan Bhaarti Samman (For Hindi Vigyan Lekhan).

Research area: Wheat Diseases, Rice Diseases, Biological Control and Molecular Plant pathology

Major Research Achievements:

1. Reported the role of weather factors and time of planting in relation to leaf blight and collar rot in elephant Foot yam.
2. Worked out Integrated Management of collar rot disease of Elephant foot yam caused by *Sclerotium rolfisii*.
3. Worked out fungicidal spray schedule for the management of leaf blight of Elephant foot yam.
4. Worked out the losses caused by microbial corm rot in storage in Elephant foot yam.
5. Worked out the integrated management strategy for sheath blight of rice using integrated nutrient management, modern chemicals and antagonists in various combinations.
6. Reported the role of Macro and micro nutrients in relation to resistance/ susceptibility of rice plants against *Rhizoctonia solani.*
7. Reported some new virulences of *Bipolaris sorokiniana* causing spot blotch of wheat using molecular tools like RAPD.
8. Reported the role of Macro and micro nutrients in relation to resistance/ susceptibility of wheat crop against spot blotch, yellow rust and powdery mildew.
9. Reported some new virulences of *Rhizoctonia solani* causing sheath blight of rice using morphological and molecular tools like RAPD

10. Explored the possibilities of de-oiled cakes of Neem, Jatrofa, Mahua and Karanja as substrate for mass multiplication of *Trichoderma harzianum.*
11. Explored the possibilities of de-oiled cakes of Neem, and Jatrofa, as substrate for mass multiplication of *Pseudomonas flourescens.*
12. Reported the role of *Trichoderma harzianum.* and *Pseudomonas flourescens* in root and shoot growth enhancement, yield enhancement and induced systemic resistance in crop plants against various fungal diseases.

Research Projects at present:

1. Development of Value added products from leaves and oilcakes of Jatropha Neem Mahua and Karanja, using as substrate for mass multiplication of *Trichodarma* spp. Funded by NOVOD Board
2. Disease Susceptibility of Stress Tolerant Rice Varities and use of microbes for management of abiotic stresses in rice. Funded by Bill and Milinda Gates Foundation sponsored Project " **Stress Tolerant Rice for Africa and South Asea(STRASA)** under International Rice Research Institute.

Extension area: Diagnosis and Management of Crop Diseases and General Farm Advisory services.

Addetional Responcibilities:

1. University Jan Suchana Adhikari
2. Chairman, Annual Report Publication committee.
3. Secretary, PG faculty.
4. Member secretary in the Committee for providing Medical facilities to university employees of SVPUA&T Meerut.

Recent Publications:

Authors	Year	Title	Journal
1.Ramji Singh;Ram Samujh Yadav; Pushpendra Pratap Singh; P.K.Singh; Binayak Pratap Shahi and Mayank Rai	2011	Ecofriendly approaches using biological control and induced systemic resistance for management of leaf blight in elephant foot yam	Progressive Horticulture 43(2) 285-288
2.Ramji Singh; Laxmi Shankar Singh; Durga Prasad; R.S.Kureel; Rakesh Sengar & Alka Singh	2010	An unique inoculation technique to develop epidemic of sheath blight in rice	*Journal of Applied and Natural Sciences* 2(2) 230-233
3. Durga Prasad; **Ramji Singh,** and Alka Singh	2010	Management of sheath blight of rice with Integrated nutrients.	*Indian Phytopathology* 63 (1) 11-15
4. Ramji Singh; B.P. Singh; Alka Singh; Udai Prakash Singh and R.S.Kureel	2010	Management of sheath blight in rice through application of Validamycin, *Trichoderma herzianum* and *Pseudomonas fluorescens.*	*Journal of Applied and Natural Sciences* 2 (1) 121-125.
5. Ramji Singh, and Bhuneshwar Pratap Singh	2009	Efficacy of Validamycin at different crop srtages against sheath blight of rice.	*Indian Phytopathology* 62 (3) 319-323
6. Udai Prakash Singh and **Ramji Singh,**	2009	Molecular basis of resistance in wheat varities against spot blotch	*Journal of Applied and Natural Sciences*1(2)191-195
7. Ramji Singh,; Durga Prasad and Alka Singh	2009	Integrated nutrient management to enhance biochemical resistance in rice against sheath bligh	*Journal of Applied and Natural Sciences* 1(1) 82-88
8. Amit chauhan, R.V.singh and **Ramji Singh**	2007	Cultural and pathogenic variability in Bipolaris sorokiniana causingh spot blotch of wheat in north India	*Indian Phytopathology* 60 (4) 274-276

9. Ramji Singh, Pushpendra pratap singh and Vineeta Singh	2006	Integrated management of collar rot of *Amorphophallus paeoniifolius* Blume caused by *Sclerotium rolfsii* saccardo	*Vegetable science* 33(2) 194-198
10. **Ramji Singh, R**am Samuj Yadav, Vineeta Singh and Pushpendra Pratap Singh.	2005	Integrated Management of Leaf Blight of *Amorphophallus paeoniifolius* Blume	*Vegetable science* 32(2) 169-172