

# DEPARTMENT OF PLANT PATHOLOGY



**Dr. Sushil Kumar Singh**

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**Head of Department**

**Acharya Narendra Deva University of Agriculture &  
Technology Kumarganj, Ayodhya - 224229**

# Historical Background

The department was established to educate the UG and PG students in Plant Pathology. The department was started in 1983 with 04 students of M. Sc. (Ag). Later on doctoral Programme was started in 1985 with 02 students.

Masters Degree				Ph.D. Programme		
Department	Programme started in year	No. of seats/ Intake at start	No. of seats/ Intake 2019	started in year	No. of seats/ Intake at start	At present No. of seats/ Intake
Plant Pathology	1983	04	15	1985	02	04

# Faculty

1	Dr. Sushil Kr. Singh,	Assoc. Professor/HOD,
2	Dr. S. K. Pande	Asstt. Professor
3	Dr. Ramesh Chand	Asstt. Professor
4	Dr. S. N. Rahul	Asstt. Professor
5	Dr. H. K. Singh	Assoc. Professor, AICRP on Arid Fruit
6	Dr. S. P. Singh	Asstt. Professor, AICRP on Wheat & Barley
7	Dr. V.P. Chaudhary	Asstt. Professor, Directorate of Extension
8	Dr. S. Chandra	Asstt. Professor, AICRP on MULLaRP Crops
9	Dr. V. Prasad	Asstt. Professor, AICRP on Rice
10	Dr. R. S. Mishra	Asstt. Professor, AICRP on MAP
11	Dr. Pradip Kumar	Asstt. Professor, AICRP on Spices
12	Dr. Ratul Moni Ram	Guest Faculty, Dept. of Pl. Pathology

## Facility Available

No. of Classrooms	Laboratories available	Net House	Mushroom Unit	Library	Seminar Room
03 for PG	02 for UG and 04 for PG	01	01	01	01

# Major equipment's

Sl. No.	Equipment's	Number
1.	RTPCR	01
2	PCR	01
3	Lyophilizer	02
4	Centrifuge	02
5	Laminar Flow	03
6	Hot Air Ovens	03
7	BOD Incubators	03
8	Autoclave	04
9	Refrigerators	04
10	Gel Electrophoresis Unit	02
11	Seed Germinator	01
12	ELISA Unit	01
13	Electronic Weighing Balance	01
14	Water Distillation Unit	02
15	pH Meter	01
16	Shaker	02
17	Microscope	40
18		01

# Placement

▶ Dr. Krishna Kumar, Dean (Agriculture), RPCAU, Bihar. Mob.+91-9818740144; email- [kkpath@gmail.com](mailto:kkpath@gmail.com)

▶ Dr. D. K. Srivastava, Joint Director, UPCST, Lucknow, Mob.+91-9450771894

▶ Dr. H.V. Singh, Principle Scientist, Plant Pathology, Silvi-Pasture,I.G.F.R.I., Jhansi, Mob.+91-9455924615

▶ Dr. Dinesh Singh, Sr. Scientist, Plant Pathology, Indian Institute of Sugarcane Research, Lucknow, Mob. 07233953770

▶ Dr. Rajendra Pratap Singh, Sr. Scientist-cum Head KVK, KVK, Gorakhpur, Mob. 09532460717

▶ Dr. Gireesh Chand, Professor, Plant Pathology, CAU, Pasighat Arunachal Pradesh Mob.+91-9472613638; email- [gireesh\\_76@rediffmail.com](mailto:gireesh_76@rediffmail.com)

▶ Dr. R. K. Singh, Scientist, Plant Pathology, RVSKVV, College of Agriculture, Indore, M.P. , Mob.+91-9407119090; email- [rakesh0429@gmail.com](mailto:rakesh0429@gmail.com)

▶ Dr. Shyam Singh, Astt. Professor, Plant Pathology, College of Agriculture, IGKVV, Jagdalpur, Chhatisgarh. Mob.+91-9406240365

▶ Dr. Atal Bihari Tiwari, SMS (Plant Protection, KVK Gumala, Jharkhand Mob.+91-9431591726; email- [atalbiharitiwari@yahoo.com](mailto:atalbiharitiwari@yahoo.com)

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▶ Dr. D. P. Singh, Asstt. Professor, Department of Plant Pathology Banda University of Agricultural & Technology, Banda, U. P.,

▶ Dr. Sunil Kumar, SMS, Plant Protection, Banda University of Agricultural & Technology, Banda, U. P.,Mob.+91-9402682097

▶ Dr. Ramesh Kumar Shaikwar , Asstt. Professor, Department of Plant Pathology CAU, Pasighat, Arunachal Pradesh, Mob.+91-9402477033

▶ Dr. Satguru Prasad Yadav,Asstt. Plant Protection Officer (Plant Pathology), Directorate of Plant Protection, Quarantine & Storage,Faridabad, Haryana.Mob.+91-9793249327; email- [satgurucsa@gmail.com](mailto:satgurucsa@gmail.com)

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▶ Dr. Chaudhary Kuwar Yaswant, Dy. General Manager- Product Registration Crop Life Science Ltd., Ahmadabad.Mob.+91-9312325058;

▶ Dr. Santosh Kumar Yadav, Technical Assistant, Agriculture Department, Azamgarh. Village- Pakkakot, PS- Phephna, District- Ballia Mob.+91-9889909098; email- [sky9889909098@gmail.com](mailto:sky9889909098@gmail.com)

▶ Dr. Santosh Kumar, Technical Assistant Soil Testing Lab, DDA Office, Khairabad, Sitapur, Mob.+91-9984795717; email- [santoshpatho4543@gmail.com](mailto:santoshpatho4543@gmail.com)

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▶ Sri. Pushpendra, Technical Assistant, Deptt. of Agriculture, U.P.

▶ Sri. Ram Khelawan, Technical Assistant, Deptt. of Agriculture, U.P.

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▶ Dr. H. K. Singh, Asstt. Professor, Deptt. of Plant Pathology, N. D. University of Agril.& Tech., Kumarganj, Faizabad., Mob.+91-9415720178

▶ Dr. Subhash Chand, Asstt. Professor, Deptt. of Plant Pathology, N. D. University of Agril.& Tech., Kumarganj, Faizabad., Mob.+91-9450768159.

▶ Dr. Jai Prakash Singh, Lecturer, Plant Pathology, TDPG College, Balia. UP, Mob.+91-9007646945

▶ Sri. Suneel Kumar Yadav, Asstt. Manager, SBI., India.

▶ Sri. Abhinav Kumar Singh, Asstt. Manager, Axis Bank.

▶ Sri. Ketan Kumar, Asstt. Manager, Union Bank of India.

▶ Sri. Mahesh Kumar Tripathi, Asstt. Manager, SBI., India.

▶ Dr. Bhartendu Singh, Plant Protection Officer, Deptt. of Agriculture, Uttarakhand.

▶ Dr. Raja Ram Yadav, Dy. Director, U. P. Handloom, Govt. of Uttar Pradesh, U. P.

▶ Sri. Ashok Kumar, Lab Assistant, Banda University of Agricultural & Technology, Banda, U. P. , Mob.+91-894000063.

▶ Namrata Rastogi, Technical Assistant, CIMAP, Lucknow.

▶ Dr. Mohamd Rajic, Technical Assistant, IIPR, Kanpur., Mob.+91-9984364960.

▶ Dr. Rajesh Kumar, Asstt. Teacher, Deptt. of Basic Education, Govt. of U.P.

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▶ Dr. Bhanu Pratap Singh, Asstt. Teacher, Deptt. of Basic Education, Govt. of U.P., Mob.+91-9118079562.

▶ Dr. Mahesh Singh, Lecturer, Plant Pathology, ITM University, Gwalior, M.P.

▶ Dr. Gyan Manjari Rao, Technical Assistant (Plant Protection), UPCAR, Lucknow., Mob.+91-8874404686.

▶ Dr. A. N. Chaubey, Lecturer, IFTM University, Moradabad, Mob.+91-9451350323

▶ Dr. Ajay Kumar, Lecturer in Lakhawati P.G. College, Muzaffernagar

# Awards

- **Dr. S. K. Singh, Assoc.. Professor, Deptt. of Plant Pathology recognized as Fellow in Indian Phytopathological Society, IARI, New Delhi in 2020 and Fellow in Indian Society of Pulse Research and Development, IIPR, Kanpur in 2014.**
- **Dr. S. K. Singh, Assoc. Professor, Deptt. of Plant Pathology received Dr. Kirti Singh Vishisht Krishi Vaigyanik Puraskar 2016 U.P. Academy of Agricultural Sciences, U. P. Council of Agricultural Research, Lucknow.**
- **Dr. H. K. Singh, Assoc.. Professor, Deptt. of Plant Pathology recognized as Fellow in Indian Phytopathological Society, IARI, New Delhi in 2016.**

## REPORTED FOUR NEW PHYTOPLASMAS IN LEGUMES-

REPORTED 'CA. P. TRIFOLII' SUBGROUP D (16SRVI-D) CAUSING WITCHES' BROOM ON LENTIL FROM AYODHYA, INDIA WHICH IS FIRST REPORT IN THE COUNTRY AND THE WORLD.

REPORTED CA. P. PHOENICIUM SUBGROUP C (16SR IX-C) CAUSING WITCHES' BROOM ON PIGEONPEA FROM AYODHYA, INDIA WHICH IS A NEW SUBGROUP REPORT ON PIGEONPEA FROM THE WORLD.

REPORTED 'CA. P. CYNODONTIS (BERMUDA GRASS WHITE LEAF) SUBGROUP A (16SRXIV-A) CAUSING FLAT STEM DISEASE IN COWPEA FROM KERALA. THIS IS A NEW REPORT.

REPORTED 'CA. P. AURANTIFOLIA SUBGROUP D (16SR II-D) CAUSING LITTLE LEAF, YELLOWING, EXTENSIVE PROLIFERATION OF BRANCHES IN MUNGBEAN FROM DELHI, INDIA, WHICH IS A NEW REPORT.



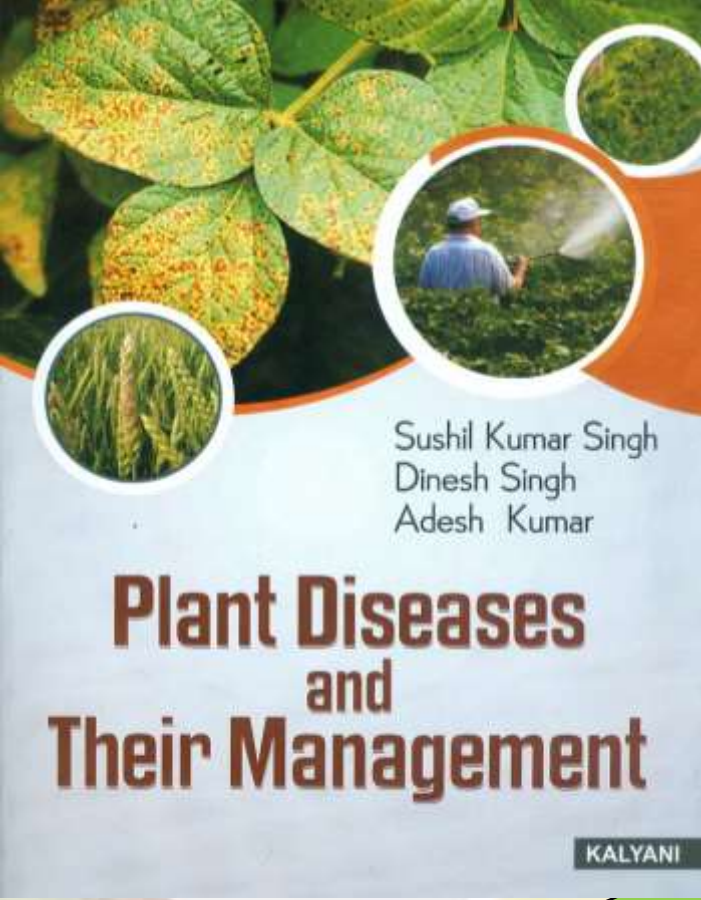
**Fig.1. a-b: Witches' broom, little leaf, stunting symptoms on pigeonpea (Faizabad), 1c: flat stem symptoms on cowpea (Kerala) and 1d: little leaf, yellowing, extensive proliferation of branches in mungbean (Delhi) and 1e-f: witches' broom of *LENTIL* (Faizabad).**

**Reported two new Phytoplasma like rice yellow dwarf (16SrXI-B) and clover proliferation (16Sr VI-D) subgroups of phytoplasmas on mustard .These Phytoplasma causes proliferation of shoots and virescence (a, b); and flattened stem and little leaf (c, d) symptoms in mustard. This is the first report of occurrence of rice yellow dwarf (16SrXI-B) and clover proliferation (16Sr VI-D) phytoplasmas on mustard in the world.**

Rao,G.P.,Pandey, Madhupriya., **Singh, S .K.**, Dubey, D. and Rao, S. (2016). Association of rice yellow dwarf (16SrXI) and clover proliferation (16SrVI) phytoplasma with flattened stem and phyllody disease in mustard. *Phytopathogenic Mollicutes* **6 (2)**: 82-86.



Symptoms of proliferation of shoots and virescence in *Brassica juncea* at Jhangha, Gorakhpur (a, b); flattened stem and little leaf at Kumarganj, Ayodhya (c, d).

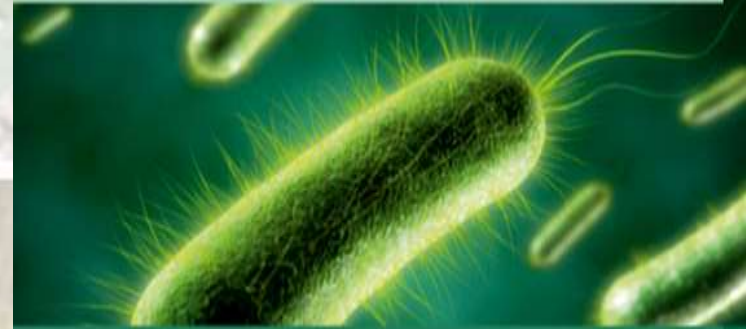


Sushil Kumar Singh  
Dinesh Singh  
Adesh Kumar

# Plant Diseases and Their Management

KALYANI

## Question Bank of **MICROBIOLOGY**



Adesh Kumar  
Sushil Kumar Singh



# THANKS