

## CURRICULUM VITAE

**Dr. Vikas Kumar Ravat**

**Assistant Professor, Department of Plant Pathology**

**Faculty of Agriculture, Rajiv Gandhi University**

**Rono Hills, Doimukh, Arunachal Pradesh-791112**

**E-mail: [vikas.ravat@rgu.ac.in](mailto:vikas.ravat@rgu.ac.in), [vikasraavat@gmail.com](mailto:vikasraavat@gmail.com)**

**Mobile: +91-7407678201**



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### **Profile**

A motivated, responsible, Energetic Plant Pathologist, which will utilise the professional and technical experience in the field of Plant Protection. Having one and half year teaching experience as Assistant Professor (Plant Pathology), taught undergraduate and postgraduate students. Working experience as Senior Technical Officer at Regional Plant Quarantine Station, Kolkata, Ministry of Agriculture and Farmers Welfare, India. Experience of handling import and export consignment (Inspection and Laboratory examination) and requiring additional declaration on the freedom status of quarantine and non-quarantine pest in Phytosaintry Certificates by the concerned importing countries.

### **Area of expertise**

Mycology, Disease Survey and Surveillance, Disease Detection and diagnosis, Endophytes, Quarantine pest detection techniques and country condition for export and import.

**Objective:** To strive for Excellence in the field of Plant Pathology with dedication, focus, proactive approach, positive attitude and passion and to utilize my knowledge and skills in the best possible way for the fulfillment of organizational goals.

### **Education**

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Ph.D. (Plant Pathology)	(2013-2018)	“Characterization of some newly emerged economically important sheath infecting fungal pathogens causing significant crop losses on rice” during Ph.D. dissertation Thesis submitted to Department of Plant Pathology, Faculty of Agriculture, Bidhan Chandra Krishi Viswavidyalaya (B.C.K.V), Mohanpur, Nadia, West Bengal, India
MSc. (Plant Pathology)	(2011-2013)	“Studies of Post-harvest disease management of fruits” M.Sc. dissertation, Department of Plant Pathology, Faculty of Agriculture, Bidhan Chandra Krishi Viswavidyalaya (B.C.K.V), Mohanpur, Nadia, West Bengal, India

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### **Professional Strengths / Skills:**

- Data analysis and Interpretation
- Excel, SPSS, Diseases forecasting from MATLAB and R software.

### **Achievements and Awards**

1. Awarded Prof. K. S. Bilgrami best poster paper presentation award by Indian Society of Mycology and Plant Pathology during November- 2016.
2. Awarded best Poster Presentation Award by Indian Phytopathological Society (IPS) during December-2016.
3. Awarded young scientist Award by VDGGOOD Professional association.

### **Professional society membership**

- Life member of **Association of Agrometeorologists**, Department of Agricultural Meteorology, Anand Agricultural University Anand, Gujarat, India (June, 2018)

### **Work Experiences**

- Working as **Assistant Professor**, Department of Plant Pathology, Faculty of Agriculture, Rajiv Gandhi University, Arunachal Pradesh from 29.05.2023 to till now
- Working as **Senior Technical Officer (Plant Pathology)** at Regional Plant Quarantine Research Station, Kolkata from 05.09.2019 to 30.08.2022.
- Worked as an **Assistant Professor** at Akal College of Agriculture, Eternal University, Sirmour, H.P from 5/3/2018 to 30/8/2019.
- Worked on “Bioefficacy and Phytotoxicity of Kresoxim Methyl 2.0 % on Rice crop” funded by **Parijat industries Pvt, Ltd. New Delhi** during 09/09/2013 to 31/01/2016.
- Engaged as **Course instructor and General Convener on RAWEP** on August 1, 2018 to December 27, 2018 at Akal College of Agriculture, Eternal University, Sirmour, H.P

### **Projects**

- Engaged as Co- Investigator of project entitled “**Village level people Biodiversity Registers**” funded by Punjab Biodiversity Board.

### **Workshop attained**

1. Participated in “**Fertilizer orientation course**” conducted by Fertilizer association of India during April 26-27, 2011.
2. Attained six-day training programme entitled “**Hands on training in Molecular Techniques**” sponsored by “**Department of Biotechnology (DBT)**” Govt. of India, New Delhi conducted by Central Agricultural University, Pashighat, Arunachal Pradesh, India from February 22-27,2018.

### Published Research Papers

1. S. Sikder, **V. K. Ravat**, S. Basfore and P. Hazra (2015). "Isolation of induced mutants using gamma ray and ethyl methane sulphonate in Tomato (*Solanum lycopersicum* L.)" *Electronic Journal of Plant Breeding*. **6(2): 464- 471** (ISSN 0975-928X).
2. V. Singh, S. Gampala, **V. K. Ravat**, S. K. Chakraborti and A. Basu (2015). "Effect of foliar spray of salicylic acid on sheath infecting pathogen and yield attributes in hybrid rice". *The Ecoscan*. **9(1&2): 507-512**. (ISSN 0974-0376).
3. Md Sarfraz Alam, **Vikas Kumar Ravat** and Amitava Basu (2016). "Effect of Weather Parameters on Progression of Fruit Rot Disease of Chilli Caused by *Colletotrichum capsici* in West Bengal". *J Mycol Pl Pathol* .**46** (1):219-225. (ISSN 0973- 0971-9393).
4. V. Yeka Zhimo, Darsana Dilip, Jessica Sten, **Vikas Kumar Ravat**, Dawa Dolma Bhutia, Birendranath Panja, Jayanta Saha (2017). "Antagonistic Yeasts for Biocontrol of the Banana Postharvest Anthracnose Pathogen *Colletotrichum musae*". *Journal of Phytopathology*. **165** (1): 2719-2722. (ISSN 0931-1785).
5. Veera Suresh, N. Sumalatha, **Vikas Kumar Ravat** and Amitava Basu. (2017). "First Report of *Corynespora* Leaf Spot Caused by *Corynespora cassiicola* on Chilli in West Bengal, India". *International Journal of Current Microbiology and Applied Sciences*.**6** (8). 3216-3219. (ISSN 2319-7706).
6. **Vikas Kumar Ravat** and Amitava Basu. (2017). "Current Status of Fungal Diseases on Swarna Cultivar (MTU 7029) of Rice in Gangetic Alluvial Zone of West Bengal, India". *International Journal of Current Microbiology and Applied Sciences*.**6** (9). 3216-3219. (ISSN 2319-7706).
7. **Vikas K. Ravat**, Sanchari Roy and Amitava Basu (2015). Rice: A new host of *Choanephora cucurbitarum* in West Bengal. *Ann. Pl. Protec. Sci*. **23** (1). (ISBN 0971-3573).
8. Sanchari Roy, **Vikas Kumar Ravat** and Amitava Basu (2015). "First Report of *Corynespora cassiicola* (Berk & M A Curtis C T Wei) causing Leaf Spot on Cowpea (L.) in West Bengal, India". *J Mycol Pl Pathol* .**45** (3):219-225. (ISSN 0973- 0971-9393).
9. **Vikas Kumar Ravat**, Adyant Kumar and Amitava Basu (2017). "Evaluation of Interactive Relationship Among Rice Fungal Pathogens with Special Reference to the Production of Extracellular Enzymes". *J Mycol Pl Pathol* .**47** (3): 405-415. (ISSN 0971-9393).
10. **Vikas Kumar Ravat** and Amitava Basu (2019). "Supplement of carbon and nitrogen nutrition towards assessment of biomass and virulence of rice fungal pathogen and endophytes". *Journal of Pharmacognosy and Phytochemistry*; **8(2): 285-295**.
11. **Vikas Kumar Ravat**, JK Meher, Rede GD and A Basu (2019). "Quantification of sheath blight pathogen infesting swarna rice cultivar in the alluvial zone of West Bengal, India". *International Journal of Chemical Studies*; **7(3): 3337-3345**.
12. Robinsh Kamboj, Sushma Sharma, Rahul Kumar, Prachi Sharma, **Vikas Kumar Ravat**, Parveen Chhuneja, Pritesh Vyas, Imran Sheikh and H. S. Dhaliwal (2020). "Introgression of powdery mildew resistance from *Aegilops triuncialis* into wheat

through induced homeologous pairing” *Journal of Plant Biochemistry and Biotechnology*, 29, pages 418–426.

### **Practical Manuals**

- Published a **Laboratory Manual** on “**Diseases of Field Crop**” by Eternal University, Sirmour, HP.

### **Symposia and Conferences** **International Symposia and Conferences**

1. International Symposium on “Role of fungi and microbes in the 21<sup>st</sup> century- a global scenario” research paper entitled “Management of Post-harvest disease using biocontrol agents”. Indian Mycological Society in collaboration with Department of Botany, University of Calcutta, West Bengal, India. 20-22 February 2014.
2. International Seminar on “Groundwater, Issues and Challenges of the 21<sup>st</sup> century” paper entitled “Variation in spore production among isolates of Panama wilt pathogen in banana”. Organized by Sripat Singh College, Jiaganj, Murshidabad, West Bengal, India. 29-30 December 2014.
3. 4th International Symposium on “Minor fruits, Medicinal and Aromatic Plants (ISMFM&AP)” research paper entitled “In vitro and in vivo screening of antagonistic yeast towards Banana Postharvest Anthracnose Pathogen *Colletotrichum musae*”. College of Horticulture and Forestry, Central Agriculture University, Pasighat, Arunachal Pradesh, India. December 5-6, 2017.
4. International symposium on “100 years of wheat cytogenetics: its impact and crop improvement” research paper entitled “Incidence and impact of fungal pathogen of rice (MTU 7029) at new alluvial zone of West Bengal” organized by Department of Genetics and Plant Breeding, Chaudhary Charan Singh University, Meerut, UP.

### **National Symposia and Conferences**

- a) National Symposium on “Challenges towards plant health under changing climate scenario for sustainable Agriculture” research paper entitled “Spore dynamics of fungal endophytes in different rice growth stages resulting severe outbreak on cultivar Lalswarna”. Organized by Department of Plant Pathology, BCKV in collaboration with Indian Society of Mycology and Plant Pathology, Udaipur, Rajasthan, India. 24-26 November 2016.
- b) East zone cum National Symposium on “Plant health management for food security and safety” research paper entitled “Yeast as a biocontrol agent for controlling post-harvest disease”. Organized by Indian Phytopathological Society, Department of Plant Pathology, BCKV, West Bengal, India. 8-9 December 2016.
- c) National Symposium on “Impact of climate change, biodiversity and good plant protection practices on crop productivity” research paper entitled “Production of

extracellular enzymes: A competitive edge to rice fungal endophytes”. Organized by Association of Advancement in Plant Protection Department of Plant Pathology, BCKV, West Bengal, India. 22-23 December 2016.

- d) National Symposium on “Recent Advances on Floriculture and Urban Horticulture in Global Perspective” research paper entitled “Integrated Pest Management Strategies for combating biotic stresses of Ornamental Plants”. Department of Floriculture & Landscape Architecture, BCKV, India. 4-5 January 2018.

### **Referees**

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**1. Professor Amitava Basu**

Head, Department of Plant Pathology

Faculty of Agriculture, BCKV

West Bengal, India

E-mail: [basuamitava1961@hotmail.com](mailto:basuamitava1961@hotmail.com)

**2. Prof. H. S. Dhaliwal, FNAAS**

Vice-Chancellor

Eternal University

Baru Sahib Via Rajgarh, Distt. Sirmour

Himachal Pradesh-173101, Mob:

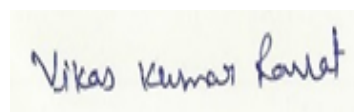
9805098702, Fax: 01799-276006

Email: [hsdhaliwal07@gmail.com](mailto:hsdhaliwal07@gmail.com),

[hsdhaliwal@eternaluniversity.edu.in](mailto:hsdhaliwal@eternaluniversity.edu.in)

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I hereby declare that the above-furnished information is true and correct to the best of my Knowledge.



Signature

(Vikas Kumar Ravat)