



Bio-Data

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Name of the Institute from where: G.B. Pant University of Agriculture and Technology,
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Joining date in ICAR : 12.08.2015

Publications (Top 10 Publications with first or corresponding author only)

1. Deepak Singh, Ashish Kumar, Anil Kumar Singh and Shivdatt (2013). Induction of Resistance in Field Pea against Rust Disease through Various Chemicals/Micronutrients and Their Impact on Growth and Yield. *Plant Pathology Journal*, 12(2):36-49.
2. Deepak Singh, A. K. Singh, H.S. Tripathi, A.K. Singh and A. Kumar (2013). Influence of planting time, planting geometry, intercropping and row direction on disease severity of rust (*Uromyces viciae fabae*) on field pea (*Pisum sativum* L.). *Legume Research*, 37(5):542-546
3. Deepak Singh, Kumar A and Singh AK (2013). Evaluation of field pea germplasm against rust disease caused by *Uromyces viciae fabae* de Bary in glasshouse and field conditions. *Bangladesh Journal of Botany*, 44(3):443-449.
4. Deepak Singh and H.S. Tripathi (2004). Evaluation of fieldpea germplasm for resistance to *Uromyces* rust. *Journal of Mycology and Plant Pathology*,34(2):588-590.
5. Deepak Singh and Tripathi, H.S (2004). Epidemiology and management of rust of fieldpea. *Journal of Mycology and Plant Pathology*,34 (2):675-679.
6. Deepak Singh, Ashish Kumar, Anil Kumar, C.R. Prajapati and H.S.Tripathi (2013). Studies on survivability of field pea rust caused by *Uromyces Viciae fabae* (Pers.) de

Bary in Tarai region of Uttarakhand (India). *African Journal of Agricultural Research*. **8** (17):1617-1622.

7. A.K. Gupta, R. Choudhary, Deepak Singh and I.S. Solanki (2019). First Report of Root and Stem Rot Disease on Papaya caused by *Fusarium falciforme* in India. Published on line 4th June, 2019, <https://doi.org/10.1094/PDIS-11-18-2118-PDN> Plant Disease vol.103 (10).2676-2676.
8. Bishnu Maya Bashyal, Ashish Kumar Gupta, Deepak Singh, Ravish Choudhary, and Rashmi Agrawal (2021) First Report of *Sclerotium hydrophilum* Sacc Causing Stem Rot Disease of Rice in North Eastern Plain Zone of India. *Plant Disease*, 105(3). 700-700. Published Online <https://doi.org/10.1094/PDIS-07-20-1529-PDN>.
9. Ashish Kumar Gupta, C.R. Prajapati and Deepak Singh (2013). Autobiocromatography: A technique for detection and estimation of thiram from treated seeds of wheat. *Pakistan Journal of Botany* 45(6):2001-2004. .
10. Bhupenchandra I, Singh Deepak, Bhagowati S, Devi CP, Singh HR and Khaba CI et.al (2022). Role of biostimulants in mitigating the effects of climate change on crop performance. *Front. Plant Sci.* 13:967665. doi: 10.3389/fpls.2022.967665.
11. M.A. Ansari, Deepak Singh, S. Hazarika, P. Punitha, S.K. Sandhu and N. Prakash. (2021). Energy and carbon budgeting of traditional land use change with groundnut based cropping system for environmental quality, resilient soil health and farmers income in eastern Indian Himalayas. *Journal of Environmental Management*. 1-11.

Patent / Technologies / Varieties / Methodologies / System etc.:

- Developed induced resistance in field pea against rust disease through chemicals/micronutrients.
- Developed three number of IDM modules for rust of field pea.
- Developed Autobiocromatography technique for detection and estimation of thiram from treated seeds of wheat.
- First Report of Root and Stem Rot Disease on Papaya caused by *Fusarium falciforme* in India.
- First Report of *Sclerotium hydrophilum* Sacc Causing Stem Rot Disease of Rice in North Eastern Plain Zone of India.

No. of Students Guided (M.Sc.): Nil

No. of Students Guided (Ph.D.): Nil

Awards / Recognitions / Fellowship:

- “*Distinguished Scientist Award-2014*” in National Conference on Rural Livelihood Security through Innovative Agri-entrepreneurship during 12-13th March 2016 held at ICAR Central Potato Research Station Patna.
- “*Distinguished Scientist Award*” for the outstanding performance of Plant Pathology on the occasion of 2nd International Conference on “Global Initiatives for Sustainable Development : Issues and Challenges” held at Bangkok, Thailand from June 23 to 27th, 2019.
- “*Best ICAR-Institute KVK Award-2018*” in NEH region under ICAR Research Complex for NEH Region, Barapani, Meghalaya.
- “*Bharat Jyoti Award*” in seminar on “Economic Growth & National Integration at New Delhi on 3rd October.2013.
- “*Reviewer Excellence Award*” as a reviewer of NASS rated Indian Journal of Agriculture Research and Legume Research an International Journal” for the significant and outstanding contribution to the Journal on dated 19thNov.2016.
- “*Best Oral Presentation Award*” for paper entitled “Field efficacy of bio-control agents and seed dressing fungicides for management of false smut disease of rice caused by [(Ustilaginoidea virens (Cooke.) Tak.) and their impact on yield attributes under submergence prone ecology”. in National Symposium on “Emerging and Re-emerging Plant Diseases in North East India: Challenges and Strategies” Indian Phytopathological Society (IPS) , New Delhi at ICAR Manipur Centre during 10-11th Oct,2017.
- “*Best Oral Presentation Award*” for paper entitled “Mushroom cultivation transforms the livelihood of farmers :a success story of Mrs.S.R. Shanghnu” in National Symposium on Emergence and Re-emerging Plant Diseases in North East India: Challenges and Strategies, organized by IPS New Delhi at ICAR Research Complex for NEH Region, Manipur Centre Imphal from Oct 10-11th ,2017.
- *Best Oral Presentation Award*” for paper entitled Integrated Management of False Smut Disease of Rice caused by [(Ustilaginoidea virens (Cooke.) Tak.) and their Impact on Yield Attributes under Submergence Prone Ecology. In National Symposium on : Plant Health

Management: Embracing Eco-Sustainable Paradigm at AAU Jorhat from Feb,15-17,2018 organized by Indian Phytopathological Society, New Delhi.

- *Best Oral Presentation Award*” for paper entitled Integrated Management of False Smut Disease of Rice caused by [(Ustilaginoidea virens (Cooke.) Tak.) and their Impact on Yield Attributes under Submergence Prone Ecology. In National Symposium on : Plant Health Management: Embracing Eco-Sustainable Paradigm organized by Indian Phytopathological Society, New Delhi.at AAU Jorhat from Feb,15-17,2018.
- *Best Oral Presentation Award*” for paper entitled. Integrated Disease Management of Important Diseases of Soybean Crop and their Impact on Yield Attributes under field condition In Platinum Jubilee Conference: Plant and Soil Health Management-Issues and innovations, organized by IPS New Delhi at University of Mysore, Karnataka from Feb,2-4,2023 .