

✚ **Name: Dr. Avinash Pandey**

✚ Designation: Scientist

✚ **Contact**

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✚ **Google Scholar Profile** (if available)

<https://scholar.google.co.in/citations?user=EZxVvzUAAAAJ&hl=en>

✚ **Research Gate Profile**(if available) https://www.researchgate.net/profile/Avinash_Pandey3

✚ **Career**

Institution Place	Position	From (Date)	To (date)
ICAR-IIAB, Ranchi	Scientist	June, 2017	Continuing
ICAR RC for NEH Region, Umiam Meghalaya	Scientist	August, 2010	June, 2017
NAARM, Hyderabad	Scientist Trainee	April, 2010	August, 2010

✚ **Awards and Honours**

- Joint CSIR-UGC Junior Research Fellowship (JRF) in subject Life Sciences during Ph.D.
- JRF (ICAR) during M.Sc.
- National Talent Scholarship (ICAR) during B.Sc.
- Chaudhary Charan Singh Smriti Pratibha Puraskar
- Chancellor's Gold Medal in B.Sc.
 - Aspee Gold Medal in B.Sc

✚ **Research Area: Genetics and Plant Breeding**

✚ **Group members**

✚ **Publications:**

1. VK Verma, **Avinash Pandey**, Pankaj Baiswar and AK Jha (2019) Molecular characterisation of eggplant and related species: stability analysis for yield and reaction to bacterial wilt under the humid subtropics of North Eastern India. *The Journal of Horticultural Science and Biotechnology*. <https://doi.org/10.1080/14620316.2019.1631126> .
2. Binay K. Singh, SP Singh, K Shekhawat, SS Rathore, **Avinash Pandey**, Sudhir Kumar, DK Singh, SB Choudhry, Saurav Kumar and Dhiraj Singh (2019) Comparative analysis for understanding salinity tolerance mechanism in Indian Mustard (*Brassica juncea* L.) *Acta Physiologiae Plantarum* **41**: 104. <https://doi.org/10.1007/s11738-019-2894-x>.

3. MA Ansari, **Avinash Pandey et. al.** (2019) Evaluation of genetic variation in *Perilla* for agro-morphological and quality traits. *Indian Journal of Agricultural Sciences* **89**(6): 940-945.
4. SS Dutta, Wricha Tyagi, Gratify Pale, Judith Pohlong, C Aochen, **Avinash Pandey**, Arunava Pattanayak and Mayank Rai (2018) Marker-trait association for low light intensity tolerance in rice genotypes from Eastern India. *Molecular Genetics and Genomics* **293**(6): 1493-1506.
5. BK Singh, SB Choudhary, S Yadav, EV Malhotra, R Rani, S Ambawat, Priyamedha, **Avinash Pandey**, R Kumar, S Kumar, HK Sharma, DK Singh and PK Rai (2018) Genetic structure identification and assessment of interrelationships between *Brassica* and allied genera using newly developed genic-SSRs of Indian Mustard (*Brassica juncea* L.). *Industrial Crops and Products* **113**: 111-120.
6. YS Devi, **Avinash Pandey**, A Kumar, MA Ansari, W Tyagi, M Rai and A Das (2018) Genetic divergence, path coefficient and cluster analysis of ricebean (*Vigna umbellata*) genotypes in the mid-altitudes of Meghalaya. *Indian Journal of Agricultural Sciences* **88**(7): 1054-1062.
7. Gayacharan, IS Bisht, **Avinash Pandey**, M C Yadav, AK Singh, SR Pandravada and JC Rana (2018) Population structure of some indigenous aromatic rice (*Oryza sativa* L.) landraces of India. *Indian Journal of Biotechnology* **17**(1): 110-117.
8. VK Verma, **Avinash Pandey**, AK Jha and SV Ngachan (2017) Genetic characterization of chayote [*Sechium edule* (Jacq.) Swartz.] landraces of North Eastern Hills of India and conservation measure. *Physiology and Molecular Biology of Plants* **23**(4): 911-924.
9. Amit Kumar, **Avinash Pandey** and MVC Gowda (2015) Evaluation of groundnut genotypes for tolerance to phosphorus deficiency. *Journal of Plant Nutrition* **38**(5): 687-699.
10. Kumar Durgesh, RS Raje, Anand K Singh, AM Singh, **Avinash Pandey** and NK Singh (2015) Assessment of genetic diversity based on agro-morphological traits and genic microsatellite markers in inter-specific derivatives and cultivars of pigeonpea. *The Indian Journal of Genetics and Plant Breeding* **75**(2): 215-224.
11. Gayacharan, IS Bisht, **Avinash Pandey**, MC Yadav and JC Rana (2015) Genetic diversity of upland red rice (*Oryza sativa* L.) landrace populations from North-western Indian Himalayas. *Indian Journal of Biotechnology* **14**(1): 42-48.
12. A Kumar, **Avinash Pandey** and A Pattanayak (2015) Assessment of genotypic variation in soybean (*Glycine max*). *Legume Research* **38**(2): 174-177.
13. R Kumar, M Kumar, A Kumar and **Avinash Pandey** (2015) Productivity, profitability, nutrient uptake and soil health as influenced by establishment methods and nutrient management practices in transplanted rice (*Oryza sativa*) under hill ecosystem of North East India. *Indian Journal of Agricultural Sciences* **85**(5): 634-639.
14. SR Kumar, VK Khanna, **Avinash Pandey** and M Rai (2014) Quantitative evaluation of lentil (*Lens culinaris* Medikus.) germplasm under low-input acidic upland soil conditions

of North-East India. *The Indian Journal of Genetics and Plant Breeding* **74**(4 suppl.): 682-687.

15. PD Thongbam, A Kumar, KKL Nonglait and **Avinash Pandey** (2014) Effect of total protein, total phenol, polyphenoloxidase, and peroxidase activity in rice (*Oryza sativa*) genotypes against *Magnaporthe grisea*. *The Indian Journal of Agricultural Sciences* **84**(2): 198-204.
16. Sanjay Gupta, **Avinash Pandey**, A Kumar and A Pattanayak (2014) Evaluation of genotypic variation and suitability of rice bean genotypes for mid-altitudes of Meghalaya, India. *Legume Research* **37**(6): 568-574.
17. VK Verma, AK Jha, **Avinash Pandey**, A Kumar, P Choudhury and TL Swer (2014) Genetic divergence, path coefficient and cluster analysis of French bean (*Phaseolus vulgaris*) genotypes. *Indian Journal of Agricultural Sciences* **84**(8): 925-30.
18. R Kumar, D Chatterjee, N Kumawat, **Avinash Pandey**, A Roy and M Kumar (2014) Productivity, quality and soil health as influenced by lime in ricebean cultivars in foothills of northeastern India. *The Crop Journal* **2**(5): 338-344.
19. Amit Kumar, **Avinash Pandey** and A Pattanayak (2013) Evaluation of rice germplasm under jhum cultivation in North East India and breeding for Aluminium tolerance. *The Indian Journal of Genetics and Plant Breeding* **73**(2):153-161. 10.
20. **Avinash Pandey**, Sanjay Gupta, Amit Kumar, PD Thongbam and A Pattanayak (2013) Genetic divergence, path coefficient and cluster analysis of chickpea (*Cicer arietinum*) cultivars, in the mid-altitudes of Meghalaya. *Indian Journal of Agricultural Sciences* **83**(12):1300-4
21. Julia S Yumnam, Wricha Tyagi, **Avinash Pandey**, N Tombisana Meetei and Mayank Rai (2012) Evaluation of Genetic Diversity of Chilli Landraces from North Eastern India Based on Morphology, SSR Markers and the *Pun1* Locus. *Plant Molecular Biology Reporter* **30**(6):1470-1479.
22. **Avinash Pandey**, IS Bisht and KV Bhat (2012) Population structure of rice (*Oryza sativa*) landraces from high altitude area of Indian Himalayas. *Annals of Applied Biology* **160**(1):16-24.
23. Ramya P, KV Bhat and **Avinash Pandey** (2012) Transgressive segregants for yield and its component traits in Recombinant Inbred Line population from a wide cross of sesame (*Sesamum indicum*) involving *Sesamum malabaricum*. *Indian Journal of Agricultural Sciences* **82**(11): 934
24. **Avinash Pandey**, IS Bisht, KV Bhat and PS Mehta (2011) Role of informal seed system in promoting landrace diversity and their on-farm conservation: a case study of rice in Indian Himalayas. *Genetic Resources and Crop Evolution* **58**(8):1213-1224.
25. S Kumar, **Avinash Pandey**, IS Bisht, KV Bhat and PS Mehta (2010) Diversity among different populations of a local common rice (*Oryza sativa* L.) landrace from north-western Indian Himalayas. *Plant Genetic Resources* (Cambridge) **8**(2):151–1586.