

Dr. Amar Singh



1. Name : Dr. Amar Singh
2. Designation : Senior Scientist (Plant Pathology)
3. Date of Birth : 28.08.1964
4. Present address : Dept. of Plant Pathology, COA, CSK HPKV, Palampur
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9. Educational Qualifications (PG onwards)

Qualification	Year	% marks	University	Subject
M.Sc. (Ag.)	1992	73.8	HPKV, Palampur	Major: Plant Pathology Minor: i) Plant Physiology ii) Vegetable
Ph.D.	1996	76.4	-do-	Major: Plant Pathology Minor: i) Plant Genetics ii) Plant Physiology

10. Title of Thesis : **M.Sc.** “Biological control of *Sclerotium rolfsii* Sacc. causing collar rot of brinjal”
: **Ph.D.** “Biology and Management of *Erysiphe pisi* DC on pea”

11. Publications

A. Research Papers

1. Singh, Amar and Singh, D. 1994. Biocontrol of *Sclerotium rolfsii* Sacc. causing collar rot of brinjal. *Journal of Biological Control*. 8: 105-110.
2. Singh, Amar and Y.S. Paul 2002. Diseases of urdbean (*Vigna mungo*) in Himachal Pradesh. *Journal of Mycology and Plant Pathology*. 32: 129-130.
3. Basandrai A. K., Tyagi, P.D., **Singh, Amar**; Singh B. M and Sharma, B.K. 2003. Pathogenic variation in conidial populations of *Erysiphe graminis* f. sp. *tritici* in Himachal Pradesh. *Journal of Mycology and Plant Pathology*. 33: 80-83.
4. Basandrai, A.K., **Singh, Amar**, Sharma, B.K., Singh D. and Singh, B.M. 2002. Slow mildewing resistance in wheat (*Triticum aestivum* L.). In Natural Resource Management for Sustainable Hill Agriculture (edited by Ghabru, S.K., Bhagat, R.M. and Kapoor, A.C.) Proceeding of International Symposium on Sustainable Agriculture in Hill Areas, Palampur. India, held on October 29-30, 1998.

5. Singh, Amar and Paul, Y. S. 2004 (2005). New records of plant pathogenic fungi from Himachal Pradesh. *Himachal Journal of Agricultural Research*. 30: 75-76.
6. Singh Dhanbir, Singh **Amar**, **Singh**, A. and Paul, Y.S. 2004 (2005). Occurrence of perfect stage (*Monographella albescens*) of rice leaf scald pathogen (*Gerlachia oryzae*) in India. *J. Mycol. Pl. Pathol.* 34: 890-891.
7. Banyal, D.K., **Singh Amar** and Tyagi, P.D. 2005. Pathogenic variability in *Erysiphe pisi* pea powdery mildew. *Himachal Journal of Agricultural Research*. 31(2): 87-92.
8. Paul, Y.S., **Singh Amar** and Vijay Thakur. 2005. Some new species of powdery mildews. *Plant Disease Research*. 20: 203-207.
9. Kapoor, A.S., Paul, Y.S. and **Singh Amar**. 2006. Integrated management of white rot and root rot /wilt disease complex of pea. *Indian Phytopathology*. 59: 467-474.
10. Rana, M.C., **Singh Amar**, Rana, S.S. and Kumar Naveen. 2007. Integrated management in pea (*Pisum sativum*) under Lahaul valley conditions of Himachal Pradesh. *Indian Journal of Agricultural Sciences*. 77 (1): 59-61.
11. Banyal, D. K. and **Singh, Amar** 2007. Integrated management of rajmash diseases in dry temperate region of north-western Himalayas. *Indian Phytopathology*. 60: 322-326.
12. Singh, Amar and Banyal, D. K. 2007. (Published in 2009) Integrated management of pea diseases in Lahaul Valley. *Plant Disease Research*. 22(2): 132-138.
13. Datt,N., **Singh Amar**, Dubey, Y.P. and Rana, M.C. 2009. Response of Rhizobium inoculation, phosphorus and carbendazim seed dressing in some rajmash cultivars. *Himachal Journal of Agricultural Research*. 35 (20): 165-167.
14. Choudhary, A.K., Yadav, D.S. and **Singh, Amar**. 2009. Technological and extension yield gaps in oilseeds in Mandi district of Himachal Pradesh. *Indian Journal of Soil Conservation*. 37(3): 224-229.
15. Kapoor A.S., Sugha S.K., Basandrai A.K., Sharma B.K., **Singh A.** and Devlash R.K. 2010. Fungicidal management of Phytophthora blight of colocasia. *Himachal Journal of Agricultural Research*. 36: 114-116
16. Kapoor, A.S. **Singh Amar**, Singh, D., Dhancholia S. and Kumar P. 2010. Evaluation of different fungicides for the management of pea root rot. *Himachal Journal of Agricultural Research*. 36: 246-247.
17. Choudhary, A.K., Rahi, S., **Singh, A.** and Yadav, D.S. 2010. Effect of vermi-compost and biofertilizers on productivity and profitability in potato in North Western Himalayas. *Current Advances in Agricultural Sciences*. 2(1): 18-21.
18. Choudhary, A.K., **Singh, A.** and Yadav, D.S. 2010. 'On Farm Testing' of wheat cultivars for site-specific refinements under varied temporal and moisture regimes in mid hill conditions of Mandi District, Himachal Pradesh. *Journal of Community Mobilization and Sustainable Development*. 6(1): 1-7.
19. Singh Amar, Banyal D.K. and Tyagi, P. D. 2012. Host range and perpetuation of *Erysiphe pisi*, the causal agent of powdery mildew pea. *Indian Phytopathology*. 65(1): 102-104
20. Basandrai, A.K., Basandrai, D., Rana, S.K., **Singh Amar**, Sharma, B.K. and Tyagi P.D. 2013. Race-specific resistance against powdery mildew in advanced Indian wheat and some commercially grown cultivars. *Crop improvement*. 40: 58-64
21. Rana, S.K., Rana, V., Srivastava, A., Sharma, B.K., **Singh Amar**, Singh, A. and Sud, D. 2013. Status of yellow rust (*Puccinia striiformis* Westend.) of wheat in Himachal Pradesh. *Himachal Journal of Agricultural Research*. 39: 135-139
22. Banyal D.K., **Singh Amar**, Upmanyu S., Chaudhary, J. and Sharma P.N. 2014. Diversity analysis of *Erysiphe pisi* populations causing pea powdery mildew in Himachal Pradesh. *Indian Phytopathology*. 67: 263-267

23. Singh, Amar, Dev J., Banyal, D.K. and Katna G. 2014. Screening of Soybean (*Glycine max*) germplasm for multiple disease resistance. Soybean Research (Special issue No 2): 99-107
24. Kumar, S., **Singh Amar** and Banyal, D.K. 2015. First record of occurrence and distribution of bacterial canker of capsicum under protected cultivation in Himachal Pradesh. *Pl. Dis. Res.* 30: 61-66
25. Banyal D. K., Chaudhary Jya and **Singh Amar**. 2015. Evaluation of pea (*Pisum sativum*) germplasm for inheritance of resistance to powdery mildew (*Erysiphe pisi*). *Indian Phytopathology*. 68: 166-171
26. Basandrai Daisy, Basandrai A. K., Rana S. K., Sharma B.K., **Singh Amar**, Singh D. and Tyagi P. D. 2016. Resistance to powdery mildew (*Blumeria graminis* f. sp. *tritici* E. Marchal) in bread wheat, durum, dicoccum and triticale genotypes. *Indian J. Genet.* 76: 205-208
27. Banyal D. K., Sood, V. K., **Singh Amar** and Mawar Ritu. 2016. Integrated management of oat disease in north-western Himalaya. *Range Mgmt. & Agroforestry*. 37: 84-87
28. Kumar P., Rana S., Sharma P., **Singh Amar** and Upadhyay S. K. 2016. Evaluation of chilli and brinjal rootstocks for growth, yield and quality of bell pepper (*Capsicum annum* L var. *grossum* Sendt.) under protected conditions. *Agric. Res. J.* 53: 180-183
29. Katna G., Kumari V., Dev J., **Singh Amar** and Bala A. 2017. Stability analysis for seed yield and related traits in soybean (*Glycine max* L. Merrill). *Agric. Res. J.* 54: 165-169
30. Thakur, B.R., Kumari Nisha and **Singh Amar**. 2016 (Published 2017). Occurrence of pea root rot/wilt complex disease in Himachal Pradesh. *Himachal Journal of Agricultural Research*. 42: 187-191
31. Katoch , A., Katoch, P. and **Singh, A.** 2017. The emergence of gummy stem blight: A threat to cucurbits in India. *Agrica*. 6: 1-6
32. Katna G., Kumari Vedna, Dev Jai, **Singh Amar** and Bala, A. 2017. Stability analysis for seed yield and related traits in soybean (*Glycine max* L. Merrill). *Agric Res J* **54**: 165-169

B. Book

YS Paul, **Amar Singh** & DK Banyal 2012. Field Book of Crop Diseases (Eds.), Dept. of Plant Pathology, COA CSK HPKV Palampur. p57

C. Monograph

Paul, Y.S. and **Singh, Amar**. 2003. Indian Septoriae. Scientific Publishers. Jodhpur, 89pp.

D. Book Chapters

1. Kapoor, A.S. and **Singh, Amar** 1999. Pea Diseases and their management. *In Diseases of Horticultural crops-Vegetables, Ornamentals and Mushrooms* (Eds. Sharma, R.C. and Verma, L. R.) Indus Publishing C. New Delhi. Pp 278-300.
2. Paul, Y.S. and **Singh, Amar** 2002. Diseases of Medicinal Plants-V. *In Recent progress in Medicinal Plants*. Vol. 6-Diseases and their management (Eds. Sinha, P., Govil, J.N. and Singh, V.K.) Sci. Tech. Pub. USA, P 95-104.
3. Singh Amar. 2011 I General techniques : Practical Manual of Mycology and Plant Pathology. Edited by YS Paul, DK Banyal and BM Sharma

4. Singh Amar. 2011. III Bacteriology: Practical Manual of Mycology and Plant Pathology. Edited by YS Paul, DK Banyal and BM Sharma
5. Singh Amar 2014. Identification of major diseases of important vegetable crops and their management” in practical manual “Vegetable Crop Production” (eds Akhilesh Sharma, Viveka Katoch and Yudvir Singh ISBN: 978-81-927975-4-0

E. Booklet

- Singh, Anand. Verma, K.S. **Singh, Amar**, Yadav, D.S. and Chaudhary Ram. 2007. Pramukh faslon ke rogon va keeton ka samekit prabandhan. Technical bulletin No. 1, KVK, Sundernagar (H.P.) pp 1-32.
- Rahi, S., Singh, A., **Singh, Amar**, Yadav, D.S., Choudhary, A.K. and Arya, K. 2008. Harit grih mein sabji utpadan- Technical bulletin No. 4, KVK, Sundernagar (H.P.) pp 1-30.
- Singh, Anand., **Singh, Amar** and Yadav, D.S. 2008. Khumb kee kheti. Technical bulletin No. 2, KVK, Sundernagar (H.P.) pp 1-30.
- Singh, Amar**, Singh, A., Verma, K.S., Sood, Pankaj., Yadav, D.S., Thakur, S.K., Rahi, S. and Choudhary, A.K. 2010. Pramukh faslon ke rogon va keeton ka samekit prabandhan (Hindi) Technical bulletin No. 6, KVK, Sundernagar (H.P.) pp 1-32.
- Sood, Pankaj, Yadav, D.S., **Singh, Amar**, Choudhary, A.K., Thakur, S.K. and Rahi, S. 2010. Dalhani va tilhani faslon kee vaigyanik dhang se kheti (Hindi) Technical bulletin No. 5, KVK, Sundernagar (H.P.) pp 1-60.
- Singh, Amar**, Singh, A., Verma, K.S., Sood, Pankaj., Yadav, D.S., Thakur, S.K., Rahi, S. and Choudhary, A.K. 2010. Pramukh faslon ke rogon va keeton ka samekit prabandhan (Hindi) Technical bulletin No. 6, KVK, Sundernagar (H.P.) pp 1-32.
- Sood, Pankaj, Yadav, D.S., **Singh, Amar**, Choudhary, A.K., Thakur, S.K. and Rahi, S. 2010. Dalhani va tilhani faslon kee vaigyanik dhang se kheti (Hindi) Technical bulletin No. 5, KVK, Sundernagar (H.P.) pp 1-60.

F. Popular article

- Kumar, R., **Singh Amar**, Sharma, P.C. and Singh, V. 2005 (Hindi). Lahaul Ghati Frasbean beejoutpadan ke liye upyukat sathan. Parvatiya Khetibari. 25 (3): 12-13.
- Singh, Amar**, Sugha, S.K. and Banyal, D.K. 2005 (Hindi). Gobhi vargiya sabjion kee pramukh bimarian. Parvatiya Khetibari. 25 (4): 15-16.
- Yadav, D.S. and **Singh Amar**. 2005 (Hindi). Labhkari vayavsay hai khumb kee kheti. Punjab Kesari. 26.09.2005: 9.
- Singh, Amar** and Yadav, D.S. .2005. Beej ka upchar jaruri. Punjab Kesari (Hindi) 41 (154) 14.11.2005.
- Yadav, D.S., Singh, R. and **Singh Amar**. 2005. Conducting Demonstrations: Some considerations for success. Agro Bios Newsletter. 4 (6): 46-47.
- Singh, Amar**. 2006(Hindi). Jarh sadan avam wilt jatil rog lahaul ghati main matter kee bheeshan bimari tatha eski roktham. Parvatiya Khetibari. 26(1): 6, 12.

- Kumar, R., **Singh Amar** and Singh, V. 2006. Medicinal & Aromatic plants of cold desert area in HP. *Agro Bios Newsletter*. 4(9): 52-55.
- Yadav, D.S., **Singh, Amar** and Singh, A. 2006 (Hindi). Kya Bharat main duseri harit kranti kee aavshyakta hai. *Kheti Duniya (Kisan mela vishesank)*. 23.09.2006: 10.
- Yadav, D.S., **Singh, Amar** and Singh, A. 2006 (Hindi). Toria kee phasal se bharpur munafa kamain. *Kheti Duniya (Kisan mela vishesank)*. 23.09.2006: 23.
- Yadav, D.S., Singh, A and **Singh, Amar**. 2006 (Hindi). Hamari moujudha krishi sambandhit kshetra ke liye kya badlab aavshyak hai? *Kheti Duniya (Kisan mela vishesank)*. 23.09.2006: 31.
- Singh, A., Yadav, D.S. and **Singh, Amar** 2006 (Hindi). Chane kee vigyanic dang se kheti. *Kheti Duniya*. 14.10.2006: 3.
- Yadav, D.S., **Singh, Amar** and Sharma, S.K. 2006 (Hindi). Krishi technique hastantarn main Krishi Vigyan Kendra kee bhumika. *Krishi Samridhi*. February, 2006 (1): 35-36.
- Singh, Amar**. Yadav, D.S and Verma, K.S.. 2007 (Hindi). Dalhan avm tilhan ka utpadan kyon jaruri? *Kheti Duniya (Mela vishesank)* 15.9.2007 p11.
- Singh, Amar**. Yadav, D.S and Verma, K.S.. 2007(Hindi). Utpadan va upaj kaise bare? *Kheti Duniya (Mela vishesank)* 15.9.2007 p24.
- Yadav, D.S., Singh, Anand, **Singh, Amar** and Verma, K.S. 2007(Hindi). Bharat anaj paksh se kaise atamnirbhar ho? *Kheti Duniya (Mela vishesank)* 15.9.2007 p23.
- Yadav, D.S., **Singh, Amar** and Chaudhary Ram. 2007(Hindi). Krishi kee moujuda taknikon mein parivartan kyon? *Kheti Duniya (Mela vishesank)* 15.9.2007 p3.
- Yadav, D.S., **Singh, Amar**, Choudhary, A.K. and Singh, A. 2008. Agrim pankti pradarshan- Khadyan utpadkta badane mein yogdan. *Kheti Duniya*. 13(43):18.
- Yadav, D.S., **Singh, Amar**, Verma, K.S., and Singh, A. 2008. Krishi vikas mein krishi prodyogiki pabandhan abhikaran (ATMA) kee bhumika. *Krishi Vistar Samiksha*. 18(1):19-23.
- Yadav, D.S. and **Singh, Amar**. 2008. Rashtriya pragti kee reed: Swayam sahayata samooh. *Krishi Amrit*. 5(1):5.
- Yadav, D.S., **Singh, Amar**. and Choudhary, A.K. 2009. Utpadan va upaj kaise bade? *Kheti Duniya*. 14(13):11.
- Choudhary, A.K., Yadav, D.S., **Singh, Amar** and Rahi, S. 2010. Kharif pyaj kee vaigyanik dhang se kheti va aarthik vishleshan. *Parvatiya khetibari*. 30(1):15-17.
- Yadav, D.S., **Singh, Amar**, Thakur, S.K., Choudhary, A.K. and Sood, P. 2011. Kisan Call Centre: 1800 180 1551 Free Call Service (in hindi). *Parvatiya Khetibarhi*. 31(1): 27-28.
- Singh, Amar**, Yadav, D.S., Thakur, S.K., Choudhary, A.K. and Sood, P. 2011. Samekit rog prabandhan main beejopachar ka mahtav tatha bidhian (in hindi). *Parvatiya Khetibarhi*. 31(1): 9-10.
- Yadav, D.S., **Singh, Amar**, Choudhary, A.K., Thakur, S.K., and Sood, P. 2011. HRI-152: A ray of hope for paddy growers in low hill region of Himachal Pradesh (in hindi). *Parvatiya Khetibarhi*. 31(2): 3-4.
- Verma, K., **Singh, Amar**, Sharma, P.C. and Chandel, R.S. 2011. Maki main rog avam kit pravandhan (in hindi). *Parvatiya Khetibarhi*. 31(3): 9-10.

Banyal, D. K., **Singh, Amar** and Choudhary J, 2014. Polyhouse main sabjion kee bimariyan avam roktham (in hindi). *Parvatiya Khetibari*. 34(1):31-32.

Banyal, D. K., **Singh, Amar** and Choudhary J, 2015. Aalu ke rog avam unkee roktham (in hindi). *Parvatiya Khetibari*. 35(1):10-11.

12. Projects handled/in hand

Sr. No.	Title of the project	Funding	Budget (Lakh)	Year of start and duration	Remarks
1	Standardization and popularization of integrated management of root rot /wilt complex of green pea in Lahaul valley	HTM	13.5	2006 (Three year)	As PI for first year and then Co- PI
2	Characterization of variability in <i>Erysiphe pisi</i> on pea	DST (GOI)	25.0	2007 (Three year)	Co-PI
3	Crop demonstration/ adaptive trials and training programme on integrated crop management practices for efficient use of irrigation water in command area of minor irrigation project	IPH, Division, Sarkaghat	26.0	2007 (2.5 years)	Co-PI
4	Technological Interventions for Protected Cultivation of Vegetable crops in Himachal Pradesh- Plant Pathology (Fungal diseases-I) State ad hoc Misc. 2148-17(i)	RKVY	4.648	2014-2015	PI
5	Deciphering diversity at <i>er</i> loci for diversification of powdery mildew resistance in pea (Adhoc-GOI-5016-17)	DST	31.698	2015-2017	Co-PI
6	Development of Phytophthora blight resistance genotypes through <i>in vivo</i> mutagenesis	BARC	24.94	2013-2016	Co-PI
7	Bio-intensive disease management of soil-borne diseases of vegetable crops under protected cultivation	HIMCOSTE	8.59	2018 for two years	PI continue

13. Refresher course/ advance training attended

Sr. No.	Title of the training/course	Duration	Name of the organizing institute
1.	ICAR Winter school on “Recent Advances in disease management in crops of arid region”	21 days (06.11.2006 to 26.11.2006)	Department of Plant Pathology College of Agriculture, Rajasthan Agricultural University Bikaner
2.	Advance training on “Plant Pathology in	21 days (22.03.2010 to	Centre of Advanced Faculty Training in Plant Pathology, G.B. Pant University of

	Practice”	11.04.2010)	Agriculture and Technology Panatnagar-263 145 (Uttarakhand)
3.	Computer Net working and E- connectivity	5 days (01.08.08 to 05.08.08)	ERNET India, Ministry of Communication and Information Technology GOI, New Delhi sponsored by ICAR, New Delhi
4.	Office automation, web design and development	11 days (06.10.2008 to 17.10.2008)	-Do-
5.	“Plant Pathology in Practice”	21 days (22.03.20010 to 11.04.2010)	CAFT in Plant Pathology, G.B. Pant Uni. Of Agriculture & Technology Pantnagar-263 145(Uttarakhand)
6.	Fundamental of Plant Health Management for Plant Health Doctors”	21 days (17.01.2014 to 06.02.2014)	NIPHM Hyderabad

14. Member ship of Professional Society/Journal

- i)Life member of Indian Phytopathological Society(IPS), New Delhi
- ii)Life member of Indian society of Plant Pathologists, Ludhiana (Pb)
- iii)Life member of Indian Society of Vegetable Science
- iv) Life member of Society for Soybean Research and Development
- v) Himachal Journal of Agricultural Research

15. Students guided

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