



Dr Ravinder Singh, Scientist (Vegetable Science)

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Field of Specialization and Research interest

Specialization: Vegetable Production

Research Interest:

- Standardization of production technology of elephant foot yam (zimikand), Greater yam (Tardi, Dregal), Colocasia and other minor tuber crops.
- *Kharif* onion production technology.
- Development of year round vegetable nutri garden
- Vegetable Grafting

Education Qualification:

Examination	Year	Division Obtained	University/Board	Subjects
B.Sc. (Agri.)	1992	First	CSKHPKV, Palampur	Vegetable Science as elective
M.Sc. (Veg. Science)	1994	First	CSKHPKV, Palampur	Vegetable Production
Ph.D (Veg. Science)	1998	First	Dr YS Parmar Uni. of Hort. & Forestry, Nauni, Solan	Vegetable Production
NET (Veg.)	1999	-	ASRB ICAR, New Delhi	Horticulture-Vegetable Sci.

Employment Record along with Professional Experience (in year)

Post Held	Station & Period	Nature of Job
Scientist (Veg.)	Deptt. of Veg. Sci. and Flori., CSK HPKV, Palampur	Vegetable grafting. Vegetable production technology
Subject Matter Specialist (Vegetable)	Krishi Vigyan Kendra, Berthin, Distt Bilaspur (14.7 years)	Mandatory activities of KVK w.r.t. transfer of technology to farmers and handling AICRP on Tuber Crops as PI
Research Associate/ Sr. Research Fellow	At UHF, Nauni, Solan; Krishi Vigyan Kendra, Kandaghat; VRS Kalpa, Kinnaur (April, 1996 to March, 2006)	<ul style="list-style-type: none"> ➤ Involved in development of male sterile line (s) in bell pepper (<i>capsicum annum L.</i>) at UHF Solan. ➤ Involved in approaches for marketing and crop diversification of commercial vegetables in H.P at UHF Solan ➤ Involved in development of insect pests and disease resistant superior varieties of cabbage and cauliflower at UHF Solan ➤ Worked at Remandated ZARS to take up function of KVK at Kandaghat, Solan. ➤ Involved in collection, evaluation and seed production of chicory (<i>Cichorium intybus</i>) ➤ Involved in breeding for resistance to

		buckeye (<i>Phytophthora nicotinae</i> var. <i>parasitica</i>) in tomato at UHF
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Research Project handled: P.I : 1 Component PI: 4

Research Publications:

Best 5 publications:

1. Kumar S, Bhatti D, Kumar S and **Singh R**. 2019. Prevalence, distribution and symptomatology of bacterial canker of tomato in Himachal Pradesh. *Plant Disease Research*. 34(1):70-73.
2. **Singh R**, Kumar S and Kumar S. 2013. Performance and preference of broccoli varieties grown under low hill conditions of HP. *Indian Res J. Ext. Edu.* **14** (1):112-114.
3. Sharma KD, Sharma V, **Singh R** and Nayyar H. 2011. Control of chickpea blight disease caused by *Didymella rabiei* by mixing resistance inducer and contact fungicide. *International Journal on Crop Protection*. XXX: 1-4.
4. Kanwar HS and **Singh R**. 2004. Assessment of exotic brussels sprouts germplasm in dry-temperate region of Himachal Pradesh. *Indian Journal of Agricultural Sciences*. 74 (8): 441-42.
5. Nandal TR and **Singh R**. 2002. Integrated weed management in onion (*Allium cepa* L.) under Himachal Pradesh conditions. *Indian Journal of Weed Science*. 34 (1&2): 72-75.

Publications/Extension activities	Number
Research papers (NAAS rating 3-7.5)	44
Presented in International Conference	7
Abstract published in International/National Symposium	19
Book chapter	12
Popular articles	47
Pamphlet/bulletin	16
Radio/TV talk	20
Newspaper coverage	13
Total	178
Teaching related experience	
Major Advisor (No. of MSc Students)	2
MSc/PhD thesis evaluation and viva-voca examination (No. of Students)	6
End term paper setting as External Examiner (No. of papers)	13
End term paper evaluation as External Examiner (No. of papers)	725

Miscellaneous Achievements /activities:

Awards/ appreciation/Additional work:

1. Got released first elephant foot yam variety “**Him Palam Zimikand-1**” for cultivation in HP in state level Agricultural officers workshop on vegetable crops in Sept. 2013. Its package is included in Package of Practices of Vegetable Crops of CSKHPKV Palampur (2018).
2. Appreciation letter from Director ATARI Zone -1, PAU Ludhiana for work **on Elephant foot yam in the state**.
3. Rated **Outstanding Extension Specialist** in Annual Performance Appraisal Report 2016-17 and 2019-20 by Hon’ble Vice Chancellor, CSKHPKV Palampur.
4. Acknowledgment Letter by Prof. & Head, Deptt. of Veg Sci. & Flori., CSKHPKV Palampur **for contribution in thirteen vegetable varieties**.
5. Appreciation letter issued by Scientist Incharge Research Sub Station, Berthin, Bilaspur for

Elephant foot yam (Zimikand) variety **“Palam Zimikand-1” notification in the GAZETTE OF INDIA** by the Ministry of Agriculture and Farmers Welfare, Govt. of India on 26th Nov., 2019.

6. Appreciation letter issued by Scientist Incharge Research Sub Station, Berthin, Bilaspur for **Kharif onion recommendation acceptance and approved for inclusion in the Package of Practices of Vegetable Crops.**
7. Appreciation letter issued by Programme Coordinator, KVK Berthin, Bilaspur **for developing and maintained year round vegetable nutri garden at KVK campus**, demonstrated and popularized Zimikand and Kharif onion production technology.
8. Adjudged as one of the **outstanding participant during summer school on “Protected cultivation for enhanced profitability”** w.e.f. 03.09.2010 to 23.09.2010 by Head –cum–Course Director, Deptt of Veg. Sci. and Flori., CSK HPKV, Palampur.
9. **Worked as Programme Coordinator-cum-DDO of KVK, Berthin, Bilaspur w.e.f. Nov., 2007 to Aug., 2010.** As Programme Coordinator achievements are:
 - Earned Rs 40.6 lakhs as revolving fund through sale of vermi culture and seed (2007-08 to 2010-11).
 - Prepared success story of Zimikand grower and ultimately he got National Award in Feb., 2009 at IARI, New Delhi .
 - KVK Bilaspur adjudged as second in installation of exhibition in Annual State Level workshop on 21-22.03.2010 by Zonal Project Director, Zone-I at Directorate of Extension Education, CSK HPKV, Palampur.