

Curriculum vitae

Dr. Sachin Upmanyu

Associate Professor and Head

Personal Details

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Citizenship India

Professional Qualifications

S.No	Degree	Subject/Title of Thesis	University	Year of Passing
1	Ph.D.	Mycology and Plant Pathology Thesis Title: Epidemiology and management of root rot and web blight of French bean caused by <i>Rhizoctoniasolani</i> Kuhn	Dr. YS Parmar University of Horticulture and Forestry, Nauni, Solan (HP) -173230	2002
2	M.Sc.	Mycology and Plant Pathology Thesis Title: Studies on purple blotch of onion caused by <i>Alternariaporri</i> (Ellis.) Cif.	Dr. YS Parmar University of Horticulture and Forestry, Nauni, Solan (HP) -173230	1999
3	B.Sc. (Medical)	Botany, Zoology, Chemistry, English	Himachal Pradesh University, Shimla	1996

Employment History

Teaching Experience

S.No	Designation	Department/Centre	Institution
1	Associate Professor (26.12.2022 till date)	Department of Plant Sciences, School of Life Sciences	Central University of Himachal Pradesh
2	Assistant Scientist (02.09.2009 till 26.12.2022)	Department of Plant Pathology; Rice and Wheat Research Centre, Malan (HP)	CSKHPKV, Palampur

Previous Research Experience

S.No	Designation	Department/Centre	Institution	Area of Research
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1	SRF	Department of Mycology and Plant Pathology	Dr. YSPUHF, Nauni, Solan (HP)	Epidemiology and management of root rot and web blight of French bean
2	SRF	Department of Mycology and Plant Pathology	Dr. YSPUHF, Nauni, Solan (HP)	Soil solarization for the management of <i>Fusarium</i> wilt of gladiolus
3	SRF	Department of Mycology and Plant Pathology	Dr. YSPUHF, Nauni, Solan (HP)	Refinement and dissemination of eco-friendly technologies for the integrated management of diseases and pests of gladiolus
4	SRF	Mountain Agricultural research and Extension Centre, Sangla Distt. - Kinnaur (HP)	CSKHPKV, Palampur	Development of planting materials of Kala Zira (<i>Bunium persicum</i>) through seed nursery to popularize its cultivation in Kinnaur
5	DST Scientist	Department of Plant Pathology	CSKHPKV, Palampur	Studies on genetic diversity and molecular characterization of anastomosis groups of <i>Rhizoctonia solani</i> Kuhn associated with root/collar and aerial blights in Himachal Pradesh

Personal Distinctions

- i) **PP Singhal Memorial Pesticide India Award** for the Ph.D. research paper entitled, "Innovative approaches for the management of root rot and web blight (*Rhizoctonia solani*) of French bean" presented at the Asian Congress and Annual Meeting of the Indian Society of Mycology and Plant Pathology held at Mysore w.e.f. 1-4 October 2002.
- ii) Adjudged as best paper for **Prof. M.J. Narasimhan Academic Award** for paper entitled, "Patterns of variation among isolates of *Rhizoctonia solani* Kuhn." in the annual meeting of Indian Phytopathological Society (NZ) held at PAU, Ludhiana w.e.f. 22-23 November 2002.

- iii) Awarded **Prof. M.J. Narsimhan Academic Merit Commendation Certificate** for the paper, "Patterns of variation among isolates of *Rhizoctonia solani* Kuhn." at 55th Annual Conference of the Indian Phytopathological Society held at Hyderabad w.e.f. 16-18 January 2003.
- iv) Awarded **best paper (poster presentation) in Global Conference** on, "Management of *Sclerotium rolfsii* insensitive to carbendazim" held at MPAUT- Udaipur during Nov., 2005 by the Indian Society of Mycology and Plant Pathology, Udaipur.
- v) Working as co-operator (Rice Pathology) and received **Best AICRIP Centre Award for RWRC, Malanfor outstanding contribution to AICRIP during the year – 2014 in the discipline of Plant Pathology**. The award was presented during 50th Annual Rice Research Group Meeting held at Indian Institute of Rice Research, Rajendranagar, Hyderabad w.e.f. April 11-15, 2015.
- vi) Received **Second Prize** in Poster presentation under Theme: Natural Farming on research article entitled, "Effect of date of planting on intensity of blast in mid hills of Himachal Pradesh" presented in conference on "Doubling Farmers' Income: Challenges and Strategies" held during April 23-24, 2018 in CSK HPKV, Palampur (HP)-176 062.
- vii) Received '**Certification of Appreciation**' as a team member from the Hon'ble Vice Chancellor on 28.12.2021 for popularization of Red Rice and efforts for getting **Plant Genome Saviour Community Award 2018-19** to the Rice Farmers of Chirgaon, Rohru (Shimla) from the PPVFRA, Government of India by Sh. Narendra Singh Tomar, Hon'ble Minister of Agriculture and Farmers Welfare on 11th November, 2021.

Invited Seminars and Invited Conference Presentations (last 5 years)

S.No.	Title	Seminar/Conference/Workshop	Organised by	Duration
1	Sheath Rot: An emerging threat to rice cultivation in Himachal Pradesh	National Symposium on "Novel Strategies in Plant Stress Diagnosis and Management" held in Dr. YSP UHF, Nauni, Solan (HP)	Dr. YSP UHF, Nauni, Solan (HP)	02 days (06-07 May 2022)
2	Disease Management in Rice and Wheat	Seminar organized by Himalayan Life Science society and VaidyaSushen Club, CUHP, ShahpurParisar (HP)	Himalayan Life Science Society and VaidyaSushen Club, CUHP, ShahpurParisar (HP)	One day 08 March 2022

Professional Contributions (last 5 years)

Varietal Development Programme:

- As a part of the team of ICAR-All India Coordinated Rice improvement Programme, remained involved in the evaluation, development and release/ recommendation of new rice varieties/ hybrids in Himachal Pradesh.
- Conducted field evaluation of some rice varieties recommended for different ecosystems of Himachal Pradesh as well as other states like Sikkim, Manipur and Meghalaya of which two rice varieties namely, HPR 2922 (IET 26579) and HPR 2774 (IET-23539) have been released as **Sikkim Dhan-2** and **Sikkim Dhan-3** for irrigated and upland/ rain-fed conditions, respectively by State Variety Release Committee for **Sikkim**.

Capacity Building:

1. Actively participated for the popularization of Red Rice and for getting **Plant Genome Saviour Award 2018-19** to the Rice Growers of Rohru (Shimla) from Hon'ble Union Minister of Agriculture and farmers Welfare which was conferred on November 11, 2021.
2. As a team member, submitted five farmers' varieties for registration as farmers' variety under Protection of Plant Varieties & Farmers Right Act from HP and also submitted a proposal for registration of **Japanica Red Rice of HP** under *Geographical Indications Act* 1999.
3. Extension Lectures/ interactions with farmers: >50

Teaching

Actively involved in teaching M.Sc. and Ph.D. students since December, 2022 and also coordinating Certificate Course in Mushroom Cultivation.

Doctoral Thesis Supervision

1. As co-supervisor guided one student, Mrs. Ruchika Kumari (CUHP20RDANS06) from the Department of Animal Sciences, who submitted her doctoral thesis entitled, Eco-friendly management of major mushroom flies associated with *Agaricus bisporus* (Lange) Imbach (Agaricaceae: Agaricales) on 29.07.2025.
2. Currently supervising 5 students who are pursuing Ph.D. in different areas of Mycology and Plant Pathology.

University Administration

- Head, Department of Plant Sciences w.e.f. 10.05.2023.
- Co-ordinator of Certificate Course in Mushroom Cultivation since 28.12.2022.

Research Projects and Income: Nil

Publications

Authored Books: Nil

Edited Books: Nil

Refereed Journal Articles

1. Kumari D., Thakur N. and Upmanyu S. 2025. Ethnobotanical and phytochemical assessment of selected traditional food grains of Chamba district, Himachal Pradesh. *Journal of Cereal Research* 17(1): 101–104.

2. Kumari R., Choudhary K., Sharma D., Rana A., Thakur P., Upmanyu S. and Kumar S. 2025. Bio-efficacy of synthesized nanoparticles and methanolic leaf extract of *Meliaazedarach* on *Megaseliahalterata*. *Research & Reviews in Biotechnology & Biosciences* 12(1): 116–128.
3. Kumari R., Thakur A., Thakur P., Sharma V., Sharma R., Upmanyu S., Singh R., Almarhoon Z.M., Calina D., Sharifi-Rad J. and Chaudhary A. 2025. An update on the nutritional and therapeutic potential of *Dioscoreaoppositifolia*. *Food Science & Nutrition* 13: e70179. <https://doi.org/10.1002/fsn3.70179>
4. Sood R., Thakur N. and Upmanyu S. 2025. Evaluation of botanicals against sclerotinia stalk rot in cauliflower. *Discover Plants* 2: Article 88. <https://doi.org/10.1007/s44372-025-00176-6>
5. Sharma S., Banyal D.K., Parwan S., Dhiman S., Upmanyu S., Bhardwaj N. and Thakur A. 2025. Status of rice diseases in Northern Himalayas: A case study of Himachal Pradesh. *Archives of Current Research International* 25(1): 1–10.
6. Kumari D., Thakur N. and Upmanyu S. 2024. The world of millets: A comprehensive overview of millets and their significance. *Journal of Cereal Research* 16(3): 239–245.
7. Shree P., Singh A., Upmanyu S. and Sud D. 2024. Evaluation of isolates of different *Trichoderma* spp. against *Ustilaginoideavirens* causing false smut of rice. *Himachal Journal of Agricultural Research* 50(2): 298–305.
8. Kumari R., Upmanyu S., Sharma D., Choudhary K., Yangchan J., Kumari P., Rana A. and Kumar S. 2024. Incidence and occurrence of insect pest associated with white button mushroom *Agaricusbisporus* (Lange) Imbach in Himachal Pradesh, India. *Journal of Mountain Research* 19(1): 91–97.
9. Preeti, Upmanyu S., Banyal D.K. and Bhardwaj N. 2023. Screening of rice genotypes against *Ustilaginoideavirens*, an incitant of false smut. *Himachal Journal of Agricultural Research* 49(2): 257–260.
10. Brar B., Thakur K., Mahajan D., Sharma D., Kumar S., Upmanyu S. and Kumar R. 2023. Mapping water quality parameters in Baner and Gaj rivulets: Insights into the potential impact on river Beas in Himachal Pradesh using ArcGIS. *World Water Policy*: 1–41. <https://doi.org/10.1002/wwp2.12122>
11. Shilpa, Pankaj P.P., Thakur K., Brar B., Kumar S., Upmanyu S., Sharma D., Mahajan D. and Kumar R. 2023. Ecological implications of dam and barrage construction in the Indian Himalayan region: A comprehensive assessment. *International Journal of Oceanography & Aquaculture* 7(2): 000239