

Dr Bunty Shylla

Senior Scientist

Specialization: Orchard Management, Precision Farming,
Soilless Cultivation and Molecular Biology

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Research/Extension Projects

- Precision Farming Development Centre funded by National Committee on Plasticulture Applications in Horticulture, Government of India for Rs. 40.0 Lakh (Annual) from 1997 to 2006 (Co-Principal Investigator).
- Production of runners of strawberry on soilless substrates by using VAM fungi under polyhouse, funded by Ministry of Agriculture, GOI ICAR- New Delhi (Mini Mission-I Project) for ₹ 8 lakh from 2004 to 2008 (Principal Investigator).
- Protected Cultivation of elite planting material of apple and stone fruits and its popularisation for enhancing fruit quality and productivity, funded by Ministry of Agriculture, GOI, New Delhi – (RKVY Project) for ₹ 24.37 lakh from 2010 to 2013 (Principal Investigator).
- Network Project on Creation of bud wood and rootstock bank for temperate fruits funded by Ministry of Agriculture and Farmers' Welfare, GOI, New Delhi – (Mini Mission-I Project) for ₹ 45.40 lakh from 2011 to 2013 (Co-Principal Investigator).
- Infrastructure Strengthening at HRTS&KVK, Kandaghat for the production of elite planting material of temperate fruit crops and its popularization as a remunerative venture, funded by Ministry of Agriculture and Farmers' Welfare, GOI, New Delhi – (RKVY Project) for ₹ 96.73 lakh from 2016 to 2018 (Principal Investigator).
- Himachal Pradesh Horticulture Development Project (Research Component: Development of package of practices for high density plantation on clonal rootstock) funded by World Bank for Rs 1065.86 lakhs from 2016 to 2020 (Co-Principal Investigator).
- Empowerment of Rural Youth and Retaining in High value Agri-Entrepreneurship in Solan District of Himachal Pradesh , funded by ICAR- ATARI, Ludhiana for ₹ 22 lakh from 2018 to 2020 (Co-Principal Investigator)

Important Research Publications

- Kumar A, Sharma DD, Sharma DP, **Shylla B**, Singh U, Verma P, Mushtaq M, Parihar NS, Wani OA, Casini R, Almutairi KF & Elansary HO. 2024. Integrated Nutrient Management as a low cost and eco friendly strategy for sustainable fruit production in apricot (*Prunus armeniaca* L.). *International Journal of Fruit Science*. **24**:18-32.

- Maher MM, **Shylla B**, Sharma DD, Sharma U and Kuchay MA. 2020. Yield and quality of polyhouse grown strawberries as affected by soilless media and jeevamrit. *International Journal of Chemical Studies* **8**:585-589.
- Kumar A, Sharma DD, Sharma, DP, **Shylla B** and Sharma S. 2019. Effect of integrated nutrient sources on fruit quality of apricot (*Prunus armeniaca* L.) under mid hill conditions of Himachal Pradesh. *Journal of Pharmacognosy and Phytochemistry* **8**:1120-1123.
- **Shylla B**, Sharma A, Thakur M and Handa A. 2018. Perlite - An effective soilless substrates for producing strawberry plants free from nematode transmitted viruses. *International Journal of Current Microbiology and Applied Sciences* **7**: 398-403.
- Thakur M and **Shylla B**. 2018. Influence of different growing media on plant growth and fruit yield of Strawberry (*Fragaria x ananassa* Duch.) cv. Chandler grown under protected conditions. *International Journal of Current Microbiology and Applied Sciences* **7**:2724-2730.
- **Shylla B** and Sharma U. 2014. Production of elite planting material of strawberry using soilless substrates under protected condition. *Himachal Journal of Agricultural Research*. **40**:34-38.
- **Shylla B** and Sharma CL. 2010. Evaluation of mulch colour for enhancing winter-strawberry production under polyhouse in the mid hills of Himachal Pradesh. *Journal of Horticultural Sciences* **5**:34-37.
- **Shylla B** and Chauhan JS. 2004. Influence of orchard floor management practices on cropping and quality of Santa Rosa plum grown under mid hill conditions. *ActaHorticulturae* **662**:213-216.
- **Shylla B**, Bhandari AR, Thakur BC, Sharma U and Kumar P. 2003. Evaluation of rooting media for kiwifruit softwood cuttings under controlled conditions. *Journal of Current Sciences* **3**:129–132.
- **Shylla B**, Chauhan JS, Awasthi RP and Bhandari AR. 1999. Effect of orchard floor management practices on leaf nutrient status of plum. *Indian Journal of Horticulture*. **56**:34-37.

Books/Manual

- Handa A, Shylla B, Gupta BK and Chandel S. 2023. Navigating Plant Quarantine in the Temperate Fruit Farming World . DEE, UHF, Nauni, Solan, HP. p99.
- Shylla B, Sharma DP, Sharma DD, Handa A and Singh U. 2021. Vegetative Propagation Techniques in Temperate Fruits. DEE, UHF, Nauni, Solan, HP. p25.
- Shylla B, Sharma U and Sharma T. 2008. Strawberry Production-A guide. DEE, UHF, Nauni, Solan, HP. p20.

Awards & Recognitions

- **Best Oral Presentation (Second Position) Award** received for the presentation on Nectarines: A viable Option for Diversification and Prosperity in the Mid Hill Zone of Himachal Pradesh” presented during the “**National Symposium on Modern Agro-Technologies for Nutritional Security and Health**” held at UHF, Nauni, w.e.f. 21-23 April, 2015
- **3rd Prize** as team member for Exhibition installed at the Annual University Level Workshop of KVKs of HP in 2012

- **2nd Prize** as team member for Exhibition installed at the State Level Workshop of KVKs of HP in 2011
- **Best Poster award** received for the poster on “Growth and quality of off-season strawberry grown under polyhouse in the mid-hills of Himachal Pradesh” presented during the 2nd Indian Horticulture Congress held at Barapani, Shillong w.e.f. 18-21 April, 2007
- Nominated as a **resource person** by Indo Dutch Project of Haryana (HOPP) for the gender sensitization programme held at Karnal in 1998.
- Nominated as **Indian representative** for participation in Training programme on hands-on workshop for application of GIS & remote Sensing in planning for mountain agriculture & land use management w.e.f. Nov.2-27, 1998 organized by ICIMOD at Kathmandu, Nepal.
- Nominated as **Indian representative** for participation in Regional training on “Recent concepts, knowledge, practices & new skills in participatory integrated watershed management in Asia” w.e.f.3-10, April, 1998 organized by F.A.O. at Kathmandu, Nepal.
- Selected as Scientist under Agricultural Research Services (**ARS**) during 1995