SUMAYA MUMTAZ

CURRICULUM VITAE

PERSONAL INFORMATION

Name : **SUMAYA MUMTAZ**

Father's Name : MUMTAZ AHMAD MIR .

Mothers Name : NASEEMA BEGUM

Residence : Mohoura Boniyar Baramulla , Jammu and Kashmir, India

Date of birth : **19-04-1993**

Gender : Female

Nationality : Indian

Designation : Assistant Professor (Horticulture Technology)

Date of appointment : 27-12-2024

Academic details

Sumaya Mumtaz

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ACADEMIC PROFILE

DEGREE	YEAR OF PASSING	SPECIALIZATION	BOARD/UNIV.	PERCENT/OGPA	GRADE
NET	2021	Fruit Science	ASRB, New Delhi	**60.44**	
Ph.D. Horticulture (Fruit Science)	2023	Horticulture (Fruit Science)	SKUAST-K	**8.864**	Distinction
M.Sc. Horticulture(Fruit Science)	2018	Horticulture (Fruit Science)	SKUAST-K	**8.91**	Distinction

B.Sc. Horticulture (Hons.)	2016	Horticulture	SKUAST-K	**8.23**	Distinction

- **M.Sc. Horticulture (Fruit Science)** Thesis Title: **"Pollination studies in some exotic cultivars of pear (*Pyrus communis* L.)**

- **Ph. D. (Fruit Science)** Thesis Title: **Response of soil and foliar application of nutrients on growth, yield and quality of high density apple (*Malus x domestica* Borkh) cv. Silver Spur** .

TEACHING EXPERIENCE

Assistant Professor (Horticulture Technology), Government Degree College Pampore, Department of Higher Education, Jammu & Kashmir. Date of Joining Higher Education Department: 30 December 2024.

Teaching undergraduate courses in Horticulture Technology and related disciplines.

COMPUTER PROEFICIENCY

- Fundamentals of Computers, Knowledge of operating systems, Hardware & Software, MS-Word, MS-Excel, MS-PowerPoint, OP-STAT, Mini-Tab and R-Software.

PUBLICATIONS

1. **Mumtaz, S**., Ganai, N.A., Bhat, K., Hamid, M**.,** Ahad**, S.,** Ashraf, S., and Majid, I. Investigation on phenological stages, blooming behavior and pollen functional ability of different pear genotypes under Kashmir conditions. *International Journal of Chemical Studies* 2020; 8(4):3121-3126.

2. **Sumaya Mumtaz, N**.A Ganai, Mehnigar Hamid, Shabnam Ahad, Shahida Ashraf, Rehana Javid, Manzoor Sheikh and Insha Majid. 2020. Effect of pollen source on some fruit characteristics of exotic pear (*Pyrus communis* L.) cv. Carmen and Abate Fetel. *Journal of Pharmacognosy and Phytochemistry;* 9(6) :120-123.

3. **Sumaya Mumtaz**, N.A Ganai, Amit Kumar, Mehnigar Hamid, Shabnam Ahad, Shahida Ashraf and Insha Majid. 2022. Effect of different pollen sources on fruit set and maturity of exotic pear (*Pyrus communis* L.) cvs. Carmen and Abate Fetel under Kashmir conditions. *Indian journal of Plant Genetic Reseources*; 35(1): 94-100.

4. **Sumaya Mumtaz, N**.A Ganai, Amit Kumar and Rehana Javid. 2021. Pollination management in temperate fruit crops. Kisan Word; 48(7) : 23-27.

5. Shabnam Ahad, Mohammad Maqbool Mir, AH Pandit, Shahida Ashraf, **Sumaya Mumtaz**, Insha Majid, Tashi Angmo and Manzoor Ahmad Sheikh. 2020. Evaluation of exotic apple

cultivars under high density planting systems of north western Himalayan region. *Journal of Pharmacognosy and Phytochemistry* ;9(5):283-286.

6. Ahad, S., Mir, M .M ., Ashraf, S., **Mumtaz, S** and Hamid, M. 2018**.** Nutrient management in high density apple orchards – a review. *Current Journal of Applied Science and Technology* **29**(1): 1-16.

7. Mehnigar Hamid, G. I. Hassan, Ab Waheed Wani, **Sumaya Mumtaz**, Shahida Ashraf, Shabnum Ahad**,** M. Younus Wani and Amit Kumar. Physiology of Flowering in Apple and Almond: A Review. *Int.J.Curr.Microbiol.App.Sci* (2020) *9*(9): 1912-1929.

8. Ahad, S**.,** Mir, M.M., Ashraf, S., **Mumtaz, S**., Hamid, M and Majid, I. 2020. Blooming Behaviour and pollen Characteristics of exotic apple cultivars under high density planting system of Kashmir**.** *International Journal of Chemical Studies* 8(4): 2998-3001.

9. Javid, R., Wani, W.M., Rather, G.H., Wani, J.A., Bhat, S.A., Baba, T.R., Dar, S.Q., **Mumtaz, S**. and Sadiq, A. 2019. Response of different irrigation levels on vegetative parameters of sweet cherry grown in a high density planting system. *Current Journal of Applied Science and Technology.* **32**(04): 1-8.

10. Insha Majid, Aroosa Khalil, Fouzea Nisar, Shaila Din, Nowsheen Nazir, Shabnam Ahad and **Sumaya Mumtaz**. Comparative tree growth, fruit set, fruit yield and physical characteristics of some plum cultivars grown under temperate conditions of Kashmir. *International Journal of Chemical Studies* 2020; 8(4): 2343-2347.

11. Insha Majid, Aroosa Khalil, Fouzea Nisar, Shaila Din, Nowsheen Nazir, Shabnam Ahad and **Sumaya Mumtaz**. Morphological and pomological evaluation of some plum cultivars grown under temperate conditions of Kashmir. Journal of Pharmacognosy and Phytochemistry 2020; 9(5): 1799-1802.

12. Shahida Ashraf, Nowsheen Nazir, MK Sharma, KM Bhat, Shabnam Ahad, Mehnigar Hamid and **Sumaya Mumtaz**. Standardization of grafting method and time in kiwifruit under temperate conditions of Kashmir. *International Journal of Chemical Studies* 2020; 8(5): 1512-1516.

13. Shahida Ashraf, Nowsheen Nazir, MK Sharma, Shabnam Ahad, **Sumaya Mumtaz**, Mehnigar Hamid, Manzoor Ahmed Sheikh and Aamina Sadiq.2020. Effect of method and time of grafting on bud sprouting percentage, time of leaf burst, total number of branches and leaf length of kiwifruit under temperate conditions of Kashmir. *Journal of Pharmacognosy and Phytochemistry* ; 9(5) : 2793-2797.

14. Rauoof Ahmad Rather, Abdul Waheed Wani, **Sumaya Mumtaz**, Shahid Ahmad Padder, Afzal Husain Khan, Abdulaziz Ibrahim Almohana, Sattam Almojil, Shah Saud Alam and

Tawseef Rehman Baba. 2021. Bioenergy: a foundation to environmental sustainability in a changing global climate scenario. *Journal of King Saud University- Science* ; 34(1) : 101734.

15. Shahid Qayoom Dar, **Sumaya Mumtaz**, Shabnam Ahad, Ab Waheed Wani and Tawseef Rehman Baba.2021. Genetic and genomic resources of chestnut .In : Neglected and underutilized crops-Towards nutritional security and sustainability. Springer.

16. Insha Majid, Aroosa Khalil, Nowsheen Nazir, Shaila Din, Fouzea Nisar, Shabnam Ahad, Mehnigar Hamid and **Sumaya Mumtaz**. Evaluation of plum cultivars based on storage behaviour under ambient conditions of Kashmir. *International journal of current Microbiology and Applied Sciences* pp. 2038-2043.

17. Mehnigar Hamid, Angrej Ali, Amit Kumar, Amarjeet Singh Sundouri, Shabnam Ahad, **Sumaya Mumtaz** and Shahida Ashraf. Storability and quality attributes of pear (Pyrus communis L.) cv. Carmen fruits at ambient storage conditions as influenced by foliar application of salicylic acid and calcium chloride. 2022. International journal of Environment and climate change. Pp.655-663.

18. Tajamul Farooq Wani, Shabeena Majid, Amit Kumar,G. H. Rather, Sehrish Jan, Shemoo Nisar, Shaila Din, **Sumaya Mumtaz**. Floral Phenology and Pollination Studies in Exotic Cultivars under High Density Plantation of Apple under Kashmir Conditions; *Environment and Ecology* 40 (1) : 156—162.

19. Mehnigar Hamid, Angrej Ali, Amit Kumar, Shabnam Ahad, **Sumaya Mumtaz**, Shahida Ashraf. 2021. Effect of foliar application of salicylic acid and calcium chloride on growth, yield and quality of pear (*Pyrus communis* L) cv. Carmen. *Indian journal of Hill Farming* .pp 271-277.

20. Shabnam Ahad, Shamim A. Simnani, M.K. Sharma, Shakeel A. Mir, Sajad A Bhat, Imtiyaz Murtaza, **Sumaya Mumtaz**, Shahida Ashraf, Mehnigar Hamid and Insha Majid. 2022. Influence of growth retardants on vegetative growth of apple (*Malus x domestica* Borkh.) cultivars under high density planting system. *Current Journal of Applied Science and Technology.*

21. Shahida Ashraf, K. M Bhat, M. A Mir, Amjad M Hussaini, Khalid Z Masoodi, Sajad Ahmed Bhat, Shabnam Ahad and **Sumaya Mumtaz.** 2022. Morphological characterization of wild apple genotypes in Kashmir valley. *The Pharma Innovation Journal* 11(12) : 971-973.

22. **Sumaya Mumtaz**; K. R. Dar; Amit Kumar; Ishtiyaq Ahmad Khan; Zaffar Mehdi; J. A. Wani; J. I. Bhat; Shabnam Ahad; Mehnigar Hamid; Shahida Ashraf.2023. Effect of soil application of nutrients on growth, yield and quality of apple (Malus x domestica Borkh.) cv. Silver Spur under high density plantation. SKUAST Journal of Research 2023; 25(4):585–591DOI: 10.5958/2349-297X.2023.00066.1

23. Shabnam Ahad; Mohammad Maqbool Mir; Sajad Ahmad Bhat; Nowsheen Nazir; Aroosa Khalil; Shahida Ashraf; **Sumaya Mumtaz**; Mehnigar Hamid.2023. Physico chemical evaluation of exotic apple cultivars under high density planting systems of Kashmir. SKUAST Journal of Research 2023; 25(2):228–234 DOI: 10.5958/2349-297X.2023.00031.4

24. Mehnigar Hamid; Zahoor Ahmad Bhat; Hamidullah Itoo; Asif Shikari; F. A. Khan; I. T. Nazki; Bilal Ahmad Padder; Kouser Javid; Rafiq Ahmad; Shah**; Sumaya Mumtaz**; **S**habnam Ahad.2024. Effect of gamma radiation on percent survival, lethality percentage of axillary buds of apple cv. Ambri and determination of Lethal Dose (LD50). International Journal of Advanced Biochemistry Research 2024; 8(9S):1229–1232 DOI: 10.33545/26174693.2024.v8.i9So.2368

ABSTRACTS/CONFERENCES

1. **Mumtaz,S.,** Ganai, N.A., Hamid, M., Ashraf,,S.and Ahad, S. **Biodiversity and conservation of tropical fruits .** *International conference on advances in agricultural and biodiversity conservation for sustainable development* 27- 28 october, 2017.

2. **Mumtaz,S**., Ganai, N.A., Hamid, M., Ahad, S. and Ashraf,,S. Sequel of ecotourism on environment EWS 3RD international research conference on ecotourisim and environment on 29th-31st july 2018.

3. Hamid, M., Kumar, A., Mumtaz, S. , Ashraf , S. and Ahad, S. . Ecotourism : an important tool with its prodigious benefits . EWS 3RD international research conference on ecotourism and environment on 29th-31st july 2018.

4. Ashraf, S., Nazir, N., Ahad,S., Hamid,M. and **Mumtaz, S.** Ecotourism concern in protecting and preserving the environment. EWS 3RD international research conference on ecotourism and environment on 29th-31st july 2018.

5. Ahad, S., Mir, M.M., Ashraf,S., **Mumtaz, S** and Hamid, M .Environment concerns in india : troubles and solutions . EWS 3RD international research conference on ecotourism and environment on 29th-31st july 2018.

6. Hamid, M., Ali, A., **Mumtaz, S.** , Ahad, S. and Ashraf , S. Effect of climate change and gobal warming on temperate horticulture. International conference on advances in agricultural and biodiversity conservation for sustainable development 27- 28 october, 2017.

7. Hamid, M., Ali, A, Kumar, A and **Mumtaz , S**. IPM an effective solution for less use of pesticides and their drastic threat to environment. International conference on advances in agricultural and biodiversity conservation for sustainable development 27- 28 october, 2017.

8. **Mumtaz, S**., Ganai, N.A., Hamid, M., Ahad, S. and Ashraf,,S. Biotechnological approaches for conservation of plant biodiversity. One day national seminar on biodiversity and climate change: challenges and prospects 26th october, 2017.

9. Ahad, S., Mir, M.M., Ashraf, S., **Mumtaz, S** and Hamid, M. Biotechnological interventions for genetic modification of kiwifruit. One day national seminar on biodiversity and climate change: challenges and prospects 26th october, 2017.

10. **Sumaya Mumtaz** and N. A Ganai. Integrated pest management : An approach for sustenance of agriculture and environment . National seminar on horticulture for next generation in eastern india. 5th-6th august, 2021.

11. **Sumaya Mumtaz**, N. A. Ganai, Khalid Rasool, Amit Kumar and Shabnam Ahad. Nutrient interactions in fruit crops. International web conference on soil health management for sustainable crop productivity 7th-8th September ,2020.

12. **Sumaya Mumtaz**, N. A Ganai , Amit Kumar, Khalid Rasool , Shabnam Ahad and Shahida Ashraf. Managing soil biology for sustainable crop production. Nutrient interactions in fruit crops. International web conference on soil health management for sustainable crop productivity 7th-8th September ,2020.

13. Shabnam Ahad, **Sumaya Mumtaz**, N. A. Ganai and Shahida Ashraf. Soil health remunerations for sustaining crop production . International web conference on soil health management for sustainable crop productivity 7th-8th September ,2020.

14. Sumaya Mumtaz, Khalid Rasool. N A Ganai, Amit Kumar ,Mehnigar Hamid and Tajamul Farooq Wani. Understanding role of phytohoromones in fruit development and ripening. Technological options and market intelligence for enhancing profitability in Horticulture.

15. Mehnigar Hmaid, Zahoor Ahmad Bhat, Angrej Ali, Amit Kumar, Sumaya Mumtaz and Tajamul Farooq Wani. Technological options and market intelligence for enhancing profitability in Horticulture.

TRAININGS

1 Participated in Ten days training programme on Postharvest management of apple and walnut for export trade. Division of Food science and technology under AICRP, FoH. Skuast-K, Shalimar.

2. Participated in Seven days training on Scientific beekeeping .Research and training centre for pollinators, pollinizers and pollination management, Skuast –K Shalimar.

3. Participated in Seven days training programme on Production of quality seed of vegetable crops with special reference to tissue culture techniques. Division of Vegetable Science ,FoH SKUAST-K,Shalimar.

Faculty Development Programmes

Faculty Induction Programme

Successfully completed the 4-Week Faculty Induction Programme (Guru-Dakshta) organised by the UGC-Malaviya Mission Teacher Training Centre (MMTTC), Indian Institute of Teacher Education, Gandhinagar, Gujarat, from 01 December 2025 to 28 December 2025.

(Sumaya Mumtaz)