

Hamad Hassan

M.Sc (Hons.) Horticulture.

MNS- University of Agriculture, Multan.

🏠 Present Address: House No. 166-A/EXE Bilal Road Gulgasht colony Multan

🏠 Permanent Address: House No. 166-A/EXE Bilal Road Gulgasht colony Multan

☎ +92-3067762003

✉ gujjarhammad780@gmail.com



EDUCATION.

M.Sc. (Hons.) Horticulture | MNS-university of Agriculture, Multan.

2017 to 2019

Research Title: Performance of low temperature stored phalsa fruit with respect to harvest maturity stages.

CGPA 3.91/4.00

B.Sc. (Hons.) Agriculture | MNS-university of Agriculture, Multan.

2013 to 2017

CGPA 3.46/4.00

Intermediate/ F.Sc (Pre-Medical) | B.I.S.E. Multan (Pakistan).

2011 to 2013

640/1100

Matriculation/ Secondary Education B.I.S.E. Multan (Pakistan).

2009-2011

683/1050.

PROFESSIONAL EXPERIENCE

1. Horticultural research Fellow (October 2018 _ October 2019)

ALP-PARC funded Phalsa project entitled “Collection and characterization of Phalsa (*Grewia subinaequalis* D.C.) landraces having high sugar and carotene contents”

Duties

- Establishment and Evaluation of Germplasm Unit
- Field and Market Surveys
- Experimental Data collection and Analysis
- Report preparation (Technical, Financial)

**2. Internship: F.O. (Short term Activity)
(FMC PAKISTAN)**

Duties

- Pest and Disease Scouting
- Diagnosis of Nutrient Deficiency
- Marketing of Plant Protection Products
- Farmers Data Collection and Capacity Building

3. Internee (1-3-17 to 30-4-2017)

Arain Agriculture Farm Dhanot Lodhran.

Duties

- Field surveys
- Monitoring of Different fruits & Vegetables (Cucumber, Chillies, Strawberry, Grapes, Melons)
- Grape cultural practices.

4. Postgraduate Horticultural Research

- Product Quality and Shelflife Assessment
- Establishment and Supervision of Different Orchards
 - i. Citrus
 - ii. Mango
 - iii. Deciduous Fruits
 - iv. Horticultural Nursery Establishment (Fruits, Vegetables, Ornamentals)
 - v. High density Plantation
 - vi. Installation of High Efficiency Systems for Surface & Sub-Surface irrigation

5. Sales Manager (1-12-2019-31-10-2021)

Green Technologies Multan.

6. Other Professional Skills

Landscape Design and Implementation

Computer Skills (Proficient in Microsoft Office and Statistix 8.1)

LANGUAGE PROFICIENCY

- **English** (Writing, Speaking and Listening)
- **Urdu** (Native Language)

AWARDS

- 1st position in 1st Agricultural exhibition in 2014 held at MNS-University of Agriculture Multan.
- 2nd position in Annual Chrysanthemum & Autumn Flower Show 2017 (14-16 December, 2017).
- 1st position in Flower show held at Cantonment Board Multan.
- 1st Position in Annual Flower Show in 2019 organized by City District Government Multan.

Publications

1. **Hassan, H.**, M. Amin, I.A. Rajwana, S. Ullah, K. Razzaq, H.N. Faried, G. Akhtar, U. Naeem-Ullah, M.A. Qayyum, M.M., Aslam, K. Ali, Z. Asghar and S. Nayab. 2021. Nutritional functions and antioxidative enzymes in juice extract from two different maturity stages of low temperature stored phalsa (*Grewia subinaequalis* DC) fruit. LWT, p.112552. <https://doi.org/10.1016/j.lwt.2021.112552>.
2. Jamil, A., K. Razzaq, I.A. Rajwana, A. Naz, G. Akhtar, S. Ullah, H.N. Faried, S.B. Hussain, Y. Li, M. Amin, M.A. Sher, M.T. Altaf, **H. Hassan**, M.A.A. Ahmed, S. Alfarraj, M.J. Ansari, Characterization of indigenous phalsa (*Grewia subinequalis*) genotypes using morphological traits and ISSR markers, Journal of King Saud University - Science (2022), doi: <https://doi.org/10.1016/j.jksus.2022.102237>.
3. Nayab, S., K. Razzaq, S. Ullah, I. A. Rajwana, M. Amin, H. N. Faried, G. Akhtar, A. S. Khan, Z. Asghar, **H. Hassan** and A. Naz. 2020. Genotypes and Harvest Maturity Influence the Nutritional Fruit Quality of Mulberry. Sci. Hortic. 266: 109311. <https://doi.org/10.1016/j.scienta.2020.109311>.
4. Ahmad, M., S. Ullah, I.A. Rajwana, G. Akhtar, K. Razaaq, M. Amin, H. N. Faried, **H. Hassan** and M. Saqib. 2020. Changes in Physico-Chemical and Sensory Fruit Quality Attributes of Apricot during Ripening. J. Hort. Sci. Tech. <https://doi.org/10.46653/jhst20030236>.
5. Sajid, Z., **Hassan, H.**, Ashraf, N., Saeed, M.T., Sarwar, S., Ali, H., Tayyab, U.B., & Murtaza, G. 2021. Impact of Infested Shoot Removal and Light Trap on Leucinodes orbonalis Infestation on Eggplant Fruit, Ind. J. Pure App. Biosci. 9(1), 176-182. doi: <http://dx.doi.org/10.18782/2582-2845.8536>.
6. **Hassan, H.** and A. Mushtaq. 2019. Polyphenols, alkaloids and ethanol extracts from medicinal plants in treatment of cancer. Agric. Sci. J. 1(1): 58-64.

ABSTRACT PUBLICATIONS.

7. **Hassan, H.**, M. Amin, K. Razzaq, S. Ullah, Z. Asghar, K. Ali, M. Aiyub, M. M. Aslam, A. Mehmood, A. Fatima and S. Nayab. 2019. Performance of Low Temperature Stored Phalsa Fruit With Respect To Harvest Maturity. (1st International Conference on Horticultural Crop Production and Protection, September 19-20, 2019 at University of Sargodha, Pakistan)
8. Fatima, A., G. Akhtar, I.A. Rajwana, S. Ullah, M. Amin, K. Razzaq, N. Farid, P. Khanum, **H. Hassan**, K. Ali. 2019. Effect of Colchicine on In Vitro Grown Gladiolus Corms. (1st International Conference on Horticultural Crop Production and Protection, September 19-20, 2019 at University of Sargodha, Pakistan)
9. Ali, A., H. N. Faried, S. Ullah, H. Sardar, A. M. Arif, G. Akhtar, M. Amin, M. Bashir, **H. Hassan**, M. Aslam. 2019. Productivity and Quality of Oyster Mushroom as Influenced by Supplemented Media. (1st International Conference on Horticultural Crop Production and Protection, September 19-20, 2019 at University of Sargodha, Pakistan)
10. Asghar, Z., M. Amin, I.A. Rajwana, K. Razzaq, G. Akhtar, H. N. Faried, S. Ullah, M. Aiyub, S. Nayab, A. Mehmood, **H. Hassan**. 2019. Physico-chemical Attributes of Different Ber Cultivars Grown in South Punjab. (1st International Conference on Horticultural Crop Production and Protection, September 19-20, 2019 at University of Sargodha, Pakistan).

11. Shafa, N., S. Ullah, I. A. Rajwana, M. Amin, K. Razzaq, Z. Asghar, **H. Hassan**. 2019. Packaging and Transport Handling Influence Fruit Quality and Shelf-Life of Falsa. (1st International Conference on Horticultural Crop Production and Protection, September 19-20, 2019 at University of Sargodha, Pakistan).
12. Ali, K., M. Amin, I. A. Rajwana, **H. Hassan**, M.S. Husain, K. Razzaq, S. Ullah, H. N. Farid, G. Akhtar. 2019. Starch Based Edible Coatings Influence the Pericarp Browning of Litchi Fruit. (1st International Conference on Horticultural Crop Production and Protection, September 19-20, 2019 at University of Sargodha, Pakistan)
13. Aiyub, A., M. Amin, I. A. Rajwana, K. Razzaq, S. Ullah, H. N. Fried, G. Akhtar, G. Mustafa, Z. Asghar, **H. Hassan** and S. Nayab. 2019. Pomegranate Fruit Skin Colour is influenced by Canopy Direction and Bearing Position. (1st International Conference on Horticultural Crop Production and Protection, September 19-20, 2019 at University of Sargodha, Pakistan).
14. Mehmood, A., I. A. Rajwana, H. N. Faried, K. Razzaq, M. Amin, M. Bashir, Z. Haider, M. S. Hussain and **H.Hassan**. 2019. Evaluation of growing media for healthy vegetable nursery production. (International Horticulture Conference February 26-28, 2019).
15. Aslam, M. M., S. Ullah, I. A. Rajwana, M. Amin, G. Akhtar, U. Khalil, **H. Hassan** and K. Ali. 2019. Influence of postharvest oxalic acid on physicochemical fruit quality and shelf life of jamun. (International Horticulture Conference February 26-28, 2019).
16. Aslam, M. M., S. Ullah, I. A. Rajwana, K. Razzaq, H. N. Faried, U. Khalil, **H. Hassan** and K. Ali. 2019. Orchard locality and room storage influence fruit quality and shelf life of jamun fruit. (International Horticulture Conference February 26-28, 2019).
17. Ali, A., H. N. Faried, S. Ullah, G. Akhtar, A. M. Arif, M. Bashir, **H.Hassan** and Majid Aslam. 2019. Performance of different casing materials for quality milky mushroom (*Calocybe indica*) production. (International Horticulture Conference February 26-28, 2019).
18. Amin, M., I. A. Rajwana, K. Razzaq, S. Ullah, Z. Asghar, S. Nayab, H. N. Faried, G. Akhtar, **H. Hassan**, K. Ali, M. Aiyub, G. Mustafa, U. Khalil and M. Aslam. 2019. Postharvest research and developments in various minor fruits.(International Horticulture Conference February 26-28, 2019).
19. Fatima, A., G. Akhtar, K. Razzaq, M. Amin, S. Ullah, N. Farid, P. Khanum, **H. Hassan** and K. Ali. 2019. Effect of colchicine on morphological and physiological processes of rose cv. Queen Elizabeth under In vitro conditions. (6th International Conference Sustainable Agriculture in Changing Climate: Strategies and Management Wednuday, 19 June, 2019)
20. Shafa, N., K. Razzaq, I. A. Rajwana, S. Ullah, M. Amin, Z. Asghar and **H. Hassan**. 2019. Harvest maturity influences fruit physiological and biochemical attributes of mulberry genotypes. (6th International Conference Sustainable Agriculture in Changing Climate: Strategies and Management Wednuday, 19 June, 2019).
21. Mustafa, G., I. A. Rajwana, H.N. Faried, M. Amin, U. Khalil, J. Iqbal1, **M. Hammad** and S. Nayab. Physical fruit thinning improves the physico-chemical characteristics of "Sandhuri" pomegranate. (*International Horticulture Conference February 26-28, 2019*).
22. Raza, M. A. R., R.M. Ikram, A. Matloob, M. Amin, **H. Hassan**, N. Arshad, A. Fareed, R. Yaqub and Asmatullah. Enhancing lentil (*Lens culinaris Medic.*) productivity through weed management. (*International Horticulture Conference February 26-28, 2019*).
23. Arshad. N., A. Matloob, Asmatullah, H. Hassan and M.A. Raza. Exploring herbicide efficacy in irrigated chickpea. (*International Horticulture Conference February 26-28, 2019*).
24. Usmani, M. M., M. Aqib, H. M. A. Fareed, N. Ikram and **H. Hassan**. Alleviation of drought stress at germination and early growth stages of sunflower by seed priming with ascorbic acid. (1st International Conference on "Soil and Crop Health in Changing Climate" November 28-29, 2018)

CONFERENCES AND SEMINARS ATTENDED

- **Cotton Seminar and Kissan Mela (30-31 March 2016)**
Organized by MNS-University of Agriculture, Multan.
- **Anti-Corruption Seminar (September 2016).**
Organized by Character Building Society, MNS-University of Agriculture, Multan.
- **Annual Chrysanthemum & Autumn Flower Show 2017 (14-16 December, 2017)**
Organized by, Institute of Horticultural Sciences, university of Agriculture, Faisalabad.
- **SINO-PAKISTAN International Horticultural Conference (22-23 March, 2018)**
Organized by, Department of Horticulture, MNS-University of Agriculture, Multan.
- **Flower Exhibition and Competition (21-23 March, 2018)**
Organized by, Department of Horticulture, MNS-University of Agriculture, Multan
- **Organization of Mango Festival (14-16 July, 2018)**
Organized by, Department of Agribusiness and Applied Economics, MNS-University of Agriculture, Multan.
- **Seminar on Innovation in strawberry production and marketing (29 August, 2018).**
Organized by, Department of Horticulture, MNS-University of Agriculture, Multan.
- **Organized of Debate Competition (May, 2019).**
Organized by Debating Club, MNS-University of Agriculture, Multan.
- **Organization of Mango Festival (5-7 July, 2019)**
Organized by, Department of Horticulture, MNS-University of Agriculture, Multan.
- **DICE Agriculture and Food Sciences (October 2019).**
Organized by ORIC Office, MNS-University of Agriculture, Multan.

TRAININGS AND WORKSHOPS

- **Tunnel Farming (1-3-17 to 31-4-17)**
Arain Agriculture Farm, Dhanote Lodhran.
- **Grapes orchard Management (1-3-17 to 31-4-17)**
Arain Agriculture Farm, Dhanote Lodhran.
- **Gardner training (1-11-17 to 30-11-17)**
Directorate of Floriculture, Govt. of Punjab, conducted at Floriculture Sub-Station, Multan.
- **Mango Ultra High Density Plantation (06-10 February, 2019)**
Organized by, (a) MNS-University of Agriculture, Multan, (b) Mango Research Institute, Multan

REFERENCES

1. Prof. Dr. Ishtiaq Ahmad Rajwana

Professor, Department of Horticulture, MNS-University of Agriculture, Multan.

Contact No. +92-61-9210242 (Office)

Email. ishtiaq.rajwana@mnsuam.edu.pk

2. Dr. Muhammad Amin

Associate professor, The Islamia University Bahawalpur-Pakistan

Email: m.amin@iub.edu.pk

Mobile No: +92 300 6853074

3. Dr. Kashif Razzaq

Assistant Professor,

Department of Horticulture, MNS-University of Agriculture, Multan.

Contact No. +92-345-7901236

Email. kashif.razzaq@mnsuam.edu.pk.