

**Iftikhar Ahmad, Ph.D., Postdoc**  
Professor, Institute of Horticultural Sciences,  
University of Agriculture, Faisalabad-38040, Pakistan

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### **Personal Biodata**

**Father's Name :** MUSHTAQ AHMAD  
**Qualification :** Ph.D. (Horticulture/Floriculture), Postdoc (Floriculture)  
**D. O. Birth :** August 14, 1978  
**Gender :** Male  
**Domicile :** Gujrat (Punjab, Pakistan)  
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### **Education**

**Ph. D. (Floriculture) 2009**  
1<sup>st</sup> Division (83%) with **4.00/4.00 C.G.P.A**  
University of Agriculture, Faisalabad, Pakistan  
(IRSIP Research fellowship, **University of Queensland, Australia**)  
Title "**Production potential and postharvest management of cut rose flowers in Punjab (Pakistan)**"

**M. Sc. (Hons.) Agric. (Floriculture & Landscape) 2002**  
1<sup>st</sup> Division (88.6%) with **4.00/4.00 C.G.P.A and SILVER MEDAL**  
University of Agriculture, Faisalabad, Pakistan.  
Title "**Efficacy of different doses on nitrogen on growth, development and leaf N contents of turfgrasses**"

### **Positions**

- **Professor (Floriculture and Landscape)** in Institute of Horticultural Sciences, University of Agriculture, Faisalabad from **03-10-2024** to to-date.
- **Associate Professor (Floriculture and Landscape)** in Institute of Horticultural Sciences, University of Agriculture, Faisalabad from **28-10-2021** to **03-10-2024**.
- **Assistant Professor (Floriculture and Landscape)** in Institute of Horticultural Sciences, University of Agriculture, Faisalabad from **21-04-2014** to **28-10-2021**.
- **Postdoc Fellow/Research Specialist (Floriculture Research)** at Department of Horticultural Science, North Carolina State University, Raleigh, NC-27695, USA from **March 2011** to **March 2014**.

- **Assistant Professor (Floriculture and Landscape)** in Institute of Horticultural Sciences, University of Agriculture, Faisalabad from **04-01-2010** to **07-03-2011**.
- **Lecturer (Floriculture and Landscape)** in Institute of Horticultural Sciences, University of Agriculture, Faisalabad from **05-09-2005** to **03-01-2010**.
- **Lecturer (Floriculture and Landscape)/ Subject Specialist** in Institute of Horticultural Sciences, University of Agriculture, Faisalabad from **27-05-2004** to **31-08-2005**.
- **Teacher (per lecture basis)** in Institute of Horticultural Sciences, University of Agriculture, Faisalabad from **12-12-2003** to **27-05-2004**.
- **Research Fellow** in the Project Entitled **“Export Quality Cut Flower Production and Essential Oil Extraction of Rosa”** in Institute of Horticultural Sciences, University of Agriculture, Faisalabad from **02-05-2002** to **12-12-2003**.

## **Publications**

<b>A) Research papers</b>	<b>IF Journals</b>	<b>(66)</b>
	<b>HEC Recognized journals</b>	<b>(50)</b>
<b>B) Conference proceedings papers/abstracts</b>		<b>(136)</b>
<b>C) Trade Journal Articles</b>		
a. <b>International</b>		<b>(11)</b>
b. <b>National Newspapers</b>		<b>(09)</b>
<b>D) Books/ Booklets/Broachers</b>		
a. <b>International</b>		<b>(02)</b>
b. <b>National</b>		<b>(15)</b>
<b>E) Book Chapters</b>		<b>(07)</b>
<b>F) Proceedings</b>		<b>(02)</b>
<b>G) Research Papers Reviewed</b>		<b>(&gt;100)</b>
<b>H) Practical Manuals</b>		<b>(06)</b>
<b>I) Patents</b>		
i. <b>Ahmad, I.</b> , M.A. Sajjad, S. Rasool and K. Ziaf. 2021. A low cost novel indigenous organic soilless substrate for containerized plant production. (Patent # 143872).		
<b>J) Landscape Consultancies</b>		
i. Horticulture Consultant, Botanic Garden, Governor House, Lahore, from 2014-2019.		
ii. Horticulture/Landscape consultant, Faisalabad Development Authority, Faisalabad. Feb.-2022 – to-Aug. 2022		
iii. Floriculture Consultant, AgriFlora (Pvt.) Ltd. Awagat (Feb. 2026- to-date)		

- iv. Advisor PHA Landscape upgradation project at Railway Station, Faisalabad, 2017
- v. Team Leader UAF Landsacape designing team, Sahiwal Coal Power Plant, 2017
- vi. Landscape Designer, Sarwar Foundation Memorial Park, Peer Mahal
- vii. Landscape consultant, Mumtaz Khan Manais Agri Farm, Vehari
- viii. Team member, UAF Landscape Upgradation, Faisalabad
- ix. Focal Person Floriculture Capacity Building Trainings, Establishment of Model Farms Project, Govewrnment of Punjab (2019 and 2022)

**K) Flower Varieties Developed & Registered by FSC&RD**

- i. *Calendula officinalis* 'Golden Princess' (2021)
- ii. *Calendula officinalis* 'Golden Beauty' (2021)
- iii. *Rosa centifolia* 'UAF' (2023)

**L) Research Achievements/Technologies Developed/Commercialized**

- i. **New Specialty Cut Flowers**, viz. Matthiola, Antirrhinum, Delphinium, Helianthus, Celosia, Lisianthus, Ornamental kale and Craspedia
- ii. **UAF-Gro** – A Local sustainable organioc soilless substrate for containerized plant production (**Patented**)
- iii. **Development of Flower Production Statistics of Punjab, Pakistan**
- iv. **Rosa centifolia**- UAF, A new strain of rose which is high yielding and best for commercial production and value addition
- v. Development and registration of two Calendula varieties, viz. "Golden Princess" and 'Golden Beauty' with FSC&RD (2021).

**Popular articles**

- b. Local Trade Magazines/Horticultural Societies publications (33)
- c. Agricultural Magazines/ Newspapers (URDU) (74)

**M) TV/ Radio Talks (09)**

**Talks**

- A) International Conferences/ Workshops (22)
- B) National Conferences/ Workshops (26)
- C) Companies/ Organizations/ Growers (18)

**Advisory services/ Supervision Experience**

**A) Postgraduate students**

**Ph.D.**

As supervisor

- 03 Completed
- 03 In Progress

As committee member

- 01 Completed
- 01 In Progress

### **M.Sc. (Hons.) (until Dec. 2025)**

#### **As supervisor**

- 88 Completed
- 10 In Progress

#### **As committee member**

- 80 Completed
- 04 In Progress

## **Funding Grants**

### **A) International**

- i. Effects of Postharvest PGR Application on Vase Life, Quality, and Leaf/Stem Chlorosis of Cut Gladiolus and Lily. 2013. Joseph H. Hill Memorial Foundation, Inc. & International Cut Flower Growers Association, USA. US\$ 8,500. (PI) **(Completed)**
- ii. Developing effective homemade floral preservatives for extending postharvest longevity of specialty cut flowers. 2013. Association of Speciality Cut Flower Growers Research Foundation. US\$ 1,200.00. (PI) **(Completed)**

### **B) National**

- i. Export quality cut flower production & essential oil extraction of *Rosa* (Phase-II). July, 2005-June, 2009. Ministry of Science & Technology, Government of Pakistan. PKR. 21.093 Million **(Co-PD) (Completed)**
- ii. Developing production and postharvest protocols of potential native and exotic specialty cut flower and cut foliage crops for diversification of floriculture industry. December 2016- December 2019. NRP 4946. Higher Education Commission, Islamabad, Pakistan. PKR. 2.088 million **(PI) (Completed)**
- iii. Development of sustainable soilless substrate for containerized nursery production of ornamental plants. October 2016- October 2019. Endowment Fund Secretariat, UAF. PKR. 3.087 Million **(PI) (Completed)**
- iv. Developing production protocols for Exotic glamour gladiolus cultivars. Academia-Industry Linkage project. Greenworks Lahore. July 2016-June 2017. PKR. 0.200 Million **(PI) (Completed)**
- v. Demographic analysis and development of statistics of cut flower industry of Pakistan for future policy implications. January 2018 – January 2019. NRP 6442. Higher Education Commission, Islamabad, Pakistan. PKR. 0.708 million **(PI) (Completed)**
- vi. Developing production protocols for exotic gladiolus cultivars. Academia-Industry Linkage project. Greenworks Lahore. November 2017-October 2018. PKR. 0.500 Million **(PI) (Completed)**
- vii. Establishing production protocols for potential bulbous crops for cut flowers. NRP 3435. Higher Education Commission, Islamabad, Pakistan. PKR. 5.7 million **(PI) (Completed)**
- viii. Supply Chain Management of Cut Flowers Through Developing Optimal Postharvest Handling Protocols. Agricultural Linkage Program, PARC, Islamabad. February, 2022 – February 2025. PKR. 4.432 million. **(PI) (Completed)**

- ix. Promotion of Floriculture Industry Through Diversification, Value Addition and Supply Chain Management. Punjab Agricultural Research Board, Lahore. February, 2022 – January, 2025. PKR. 11.930 Million (**PM**) (**Completed**)
- x. Enhancing Indigenous Flower Seed Production Through Optimizing Production and Handling Protocols and Human Resource Development. NRP 2021. Higher Education Commission, Islamabad, Pakistan. PKR. 6.876 million (**PI**) June, 2023 – June 2026.

## International Collaborations/MoUs

- Signed an MoU as focal person with PUM netherlands and Greenworks Pakistan, on May 16, 2017, for capacity building of floriculture stakeholders (May, 2017 to May 2019).
- Collaborative research program with North Carolina State University, Raleigh, NC, USA, for specialty cut flower evaluation and introduction in Pakistan.

## National Collaborations/MoUs

- Signed an MoU as focal person with North Naturals (Pvt.) Ltd., Chitral for promotion of floriculture production & value addition in KPK
- Collaborative commercialization program of specialty cut flowers and soilless substrate with AgriFlora (pvt.) Ltd. Awagat, Jaranwala, Faisalabad.

## Awards/ Honors

- **Silver Medal** in M. Sc. (Hons.)
- **Better Incentives Award UAF 2008**
- **Research Productivity Award 2012**
- **Research Productivity Award 2014**
- **Star Award 2003**
- **HEC Approved Supervisor**
- **Certificate of Excellence** in M. Sc. (Hons.) for getting 4:00/4:00 CGPA
- **University Merit Scholarship** during M. Sc. (Hons.) for consecutive two years
- **IRSIP scholarship for 6-months oversees training** on postharvest management of cut flowers at center for Native floriculture, UQ, Australia.
- **EFS scholarship for 4-months oversees training** on postharvest management of cut flowers at deptt. of Horticultural Sciences, NCSU, Raleigh, NC, USA.
- **Certificate of Teaching Techniques (CITT)**. 2012. Office of Postdoc Affairs, North Carolina State University, Raleigh, NC, USA.
- **Certificate of Reflective Teaching**. 2013. Office of Faculty Development. North Carolina State University, Raleigh, NC, USA.
- **Certificate of Intensive English Language**. 2013. Office of International studies. North Carolina State University, Raleigh, NC, USA.
- **Certificates of appreciation** for active participation in arrangement of various university functions, workshops and symposiums.
- **Certificate of honor from Governor Punjab** for active participation in development of university sub-campus at T.T. Singh.
- **Postdoc Fellowship** from NCSU, USA from March 2011 to March 2014.

## Management Experience

- **Director, Business Incubation Center, UAF**, from January 23, 2024 to October, 30, 2025.
- **Focal Person, STZA Agri-Tech Park, UAF**, from May 2024 to October, 30, 2025.
- **Associate Director, Students Affairs, UAF**, from May 10, 2022 to to-date.
- **Deputy Director, Students Affairs, UAF**, from February, 2017 to May 10, 2022.
- **Section Editor (Postharvest Floriculture)**, Ornamental Horticulture, Brazil, from July, 2021 to to-date.
- **Section Editor (Floriculture)**, Journal of Horticultural Science & Technology, from 2018 to 2024.
- **Managing Editor, HortiMag**, A magazine published bi-annually by PSHS from 2015 to to-date.
- **Convener, Hort Club, IHS, UAF**, since its establishment in January, 2020 to to-date.
- **Incharge, Green Youth Movement Club, UAF**, since Jan. 2022 to to-date.
- **Co-Incharge, Botanic Garden, Governor House, Lahore**, from March 2014 to November 2018.
- **Convener, Autumn Flower Shows**, University of Agriculture, Faisalabad, from 2015 to 2025.
- **Incharge, Roses and Cut Flower Research Area, IHS, UAF**, from March, 2014 to October, 2019.
- **Incharge, Floriculture Research Area, IHS, UAF**, from April 2015 to March, 2016, and November, 2018 to October, 2019, and August, 2021 to to-date.
- **CO-PROJECT DIRECTOR** in the project entitled **“Export Quality Cut Flower Production and Essential Oil Extraction of Rosa” (Phase II)**.
- **Incharge, Rose Research Area**, Institute of Horticultural Sciences, U.A.F., from **12-12-2003** to **March 2011**.
- **Secretary, Board of Studies, Institute of Horticultural Sciences**, from September, 2010 to March, 2011 and Jan. 2023 to to-date.
- **Assistant Superintendent, Ayub Hall**, University of Agriculture, Faisalabad, from **03-08-2002** to **01-08-2006**.
- **Manager, Fruit Plant Nursery**, Institute of Horticultural Sciences, from **01-08-2005** to **15-01-2007** and **09-09-08** to **15-03-2009**.
- **Founding Coordinator, Pakistan Society of Horticultural Sciences**, University of Agriculture, Faisalabad since its establishment in **2004 to 2018**.
- **Deputy Superintendent**, Annual examinations of B. Com and M.C.S. of colleges affiliated with U. A. F. at **M.C.C.S. & Scholars college, Rawalpindi**.
- **Convener, Recreation Committee** and member transport, Accommodation, Advertisement and Refreshment committee during various International and National symposiums and functions at Univ. of Agriculture, Faisalabad.
- Member of Flower show organizing and evaluation committees organized by various private and Government organizations.
- Management of **Flower Festivals 2008 & 2009** at Univ. of Agric., FSD.

## Societies Affiliation

- **Pakistan Society of Horticultural Sciences**  
Founding Coordinator (2004-2018)
- **Pakistan Society for Horticultural Science**  
Founding General Secretary (Feb., 2016 – April 2018)  
Finance Secretary (Feb., 2020 to to-date)
- **International Society for Horticultural Sciences (ISHS)**  
Active member (2026)
- **UAF Horticulture Club**  
Founding Convener (Jan., 2020 – to-date)
- **Green Youth Movement Club, UAF**  
Incharge (Jan., 2022 – to-date)

Organization of Conferences/Workshops/Trainings (22)

Indigenous Conferences Participation (41)

References Available upon request