

CURRICULUM VITAE

AHSAN AKRAM (Ph.D.)

Father's Name : MUHAMMAD AKRAM
Qualification : Ph.D. (Horticulture)
Specialization : Floriculture
Designation : Assistant Professor
Department : Institute of Horticultural Science
Institution : University of Agriculture Faisalabad, Pakistan
Nationality : Pakistani
D. O. Birth : 14-09-1985
Marital Status : Married
Gender : Male
Domicile : Faisalabad (Punjab)
Permanent Address : Chak # 66/J.B. Dhandra (Bohar stop), Jhang Road
Address : Faisalabad, Pakistan.
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Introduction: I am young, energetic and have fantastic academic record. I have ability to work in any competitive field.
Objective : To apply academic, research and management skills with advanced technical abilities for today's world.

EMPLOYMENT / JOB EXPERIENCE

Assistant Professor (September 16, 2019 – to date)

Institute of Horticultural Science, University of Agriculture Faisalabad, Pakistan
Appointment: Teaching and Research

Information Scientist (June 19, 2018- August 30, 2019)

Asian Digital Library, Islamabad, Pakistan
Appointment: Database of research Journals, Indexing & Publishing

Post-Doctoral Researcher (March 2017 – June 14, 2017)

Department of Horticultural Science, College of Agriculture and Life Sciences,
Kyungpook National University, Daegu, South Korea
Appointment: Research

Visiting Research Professor (March 2016 – March 2017)

Department of Horticultural Science, College of Agriculture and Life Sciences,
Kyungpook National University, Daegu, South Korea
Appointment: Research

Assistant Professor IPFP (March 2015 – March 2016)

Department of Horticulture, University College of Agriculture, University of Sargodha, Punjab, Pakistan
Appointment: Teaching and Research

Foreign Faculty (December, 2011 to May, 2012)

Department of Horticulture, College of Agriculture and Life Sciences, Cornell University, Ithaca, New York, USA.

Appointment: Research

Teaching Assistant (September 2012 – February 2013)

Institute of Horticultural Science, University of Agriculture Faisalabad, Punjab, Pakistan

Appointment: Roll call, Assignment Assessment & Teaching

National Intern: ((May, 2009 to April, 2010)

National Internship Program (NIP) for Fresh Graduates, Government of Punjab, Pakistan

Appointment: Administration and Management

Graduate Intern: (February, 2007 to August, 2007)

Horticultural Research sub Station, Floriculture and Landscaping, Ayyub Agriculture Research Institute, Jhang Road, Faisalabad, Punjab, Pakistan

Appointment: Conducting Research Trails

Professional

Qualification:

Ph. D. (Horticulture)

2009-2014

1st Division (79.29%) with 3.76/4.00 C.G.P.A

University of Agriculture, Faisalabad, Pakistan.

M. Sc. (Hons.) Agric. (Floriculture & Landscape)

2009

1st Division (73.59%) with 3.51/4.00 C.G.P.A

University of Agriculture, Faisalabad, Pakistan.

B.Sc. (Hons.) Agric. (Horticulture)

2007

1st Division (72.30%) with 3.40/4.00 C.G.P.A

University of Agriculture, Faisalabad, Pakistan.

Academic Education

F. Sc. (Pre-Medical) 2001

2nd Division

Govt. College Faisalabad, Pakistan.

Matriculation (Science) 1999

1st Division (78%)

Govt. H/S School Chak# 66/J.B. Dhandra, Faisalabad, Pakistan.

Publications

- i. **Akram, A.**, M. N. Tahir, A. Younis, S. Ashraf, T. Saeed, M. H. Almas, Z. Mustafa and N. A. Khan. 2024. Impact of organic acids on floral longevity of *Gladiolus grandiflorus* cv. red fortune and white prosperity. J Agric. Res., 2024, Vol. 62(2):81-87, DOI: <https://doi.org/10.58475/2024.62.2.2110>

- ii. M. M. Ijaz, A. Younis, M. A. Hanif, and **A. Akram**. 2024. Nano-stimulants modulated morpho-physiological and anatomical attributes of lemongrass (*Cymbopogon citratus* (DC.) Stapf). *Soil Environ.* 43(2): 258-267.
- iii. Raza, A., M. M. Ijaz, A. Younis, N. A. Khan, **A. Akram**, M. A. S. Khan and M. Nadeem. 2024. Effect of various growing substrates on growth and development of ponytail palm (*Beaucarnea recurvata* Lem.). *Sarhad Journal of Agriculture*, 40:1206-1214. DOI| <https://dx.doi.org/10.17582/journal.sja/2024/40.4.1206.1214>
- iv. Nawaz, F., R. Rafeeq, S. Majeed, M.S. Ismail, M. Ahsan, K. S. Ahmad, **A. Akram** and G. Haider. 2022. Biochar Amendment in Combination with Endophytic Bacteria Stimulates Photosynthetic Activity and Antioxidant Enzymes to Improve Soybean Yield Under Drought Stress. *Journal of Soil Science and Plant Nutrition*. <https://doi.org/10.1007/s42729-022-01079-1> (IF: 3.81)
- v. Akhtar, G., F. Nawaz, M. Amin, M.A. Shehzad, K. Razzaq, N. Faried, Y. Sajjad, A. Farooq, **A. Akram**, S. Ullah. 2022. Salicylic acid mediated physiological and biochemical alterations to confer drought Stress tolerance in Zinnia (*Z. elegans*). *Botanical Sciences* 100 (4): 1-12. <https://doi.org/10.17129/botsci.2966> (IF: 0.95)
- vi. Farooq, M.F., M. Qasim, A. Farooq, A. Younis, S.J. Butt, T.U. Rehman, G. Akhtar, **A. Akram** and J.I. Wattoo. 2022. Impact of urban greenspaces on the health of people subjected to different ailments. *Pakistan Journal of Agricultural Sciences*. 59:213-222. (IF: 0.85)
- vii. **Akram, A.**, Asghar, M. A., Younis, A., Akbar, A. F., Talha, M., Farooq, A., Akhtar, G., Shafiqe, M., & Mushtaq, M. Z. (2022). Foliar application of salicylic acid and its impact on pre and post-harvest attributes of *Antirrhinum majus* L. *Journal of Pure and Applied Agriculture*, 7(2), 1-11.
- viii. **Akram, A.**, H. Ashraf, A. Younis, S. Ahmad, B. Fatima, A.F. Akbar, A. Farooq and M. Ahsan. 2022. Assessment of nutritional impact on two turfgrass species. *Soil Environ.* 41(2): 114-120.

- ix. **Akram, A.**, Asghar, M. A., Younis, C.M., Ayyub, S. Ahmad, A. F., Akbar, Shafiqe, M., A., Farooq, G., Akhtar, N.A. Khan & M.Z., Mushtaq, 2021. Effect of Plant Biostimulants on Vase Life of *Gladiolus grandiflora* L. cv. "White Prosperity. Pak. j. life & soc. Sci., 19(2): 47-57.
- x. Khanda, G.-E., Shafique, M., **Akram, A.**, Ali, I., Butt, M., and Mannan, A. (2022). Effect of various media composition and rooting hormone concentrations on success of phalsa cuttings. Journal of Pure and Applied Agriculture, 7(3): 15-24 ISSN (Print) 2617-8672, ISSN (Online) 2617-8680 <http://jpaa.aiou.edu.pk/>
- xi. Yasin, M.; Younis, A.; Javed, T.; **Akram, A.**; Ahsan, M.; Shabbir, R.; Ali, M.M.; Tahir, A.; El-Ballat, E.M.; Sheteiwy, M.S.; et al. River Tea Tree Oil: Composition, Antimicrobial and Antioxidant Activities, and Potential Applications in Agriculture. Plants 2021, 10, 2105. <https://doi.org/10.3390/plants10102105>
- xii. Shafique, M. U., A. Younis, M. Asif, **A. Akram**, T. Naseem, U. Tariq, M. Ahsan, N. A. Khan, and M. Nadeem 2021. Postharvest Impact of Packaging Material And Storage Duration On Cut *Narcissus tazetta*. Acta Sci. Pol. Hortorum Cultus, 20(4) 2021, 145-154
- xiii. Farooq, A., M. Nadeem, G. Abbas, A. Shabbir, M. S. Khalid, H. M. R. Javeed, M. F. Saeed, **A. Akram**, A. Younis and G. Akhtar 2020. Cadmium Partitioning, Physiological and Oxidative Stress Responses in Marigold (*Calendula calypso*) Grown on Contaminated Soil: Implications for Phytoremediation. Bulletin of Environmental Contamination and Toxicology (2020) 105:270–276
- xiv. Younis, A., F. Zulfiqar, F. Ramzan, **A. Akram**, S. R. Wright, A. Farooq, M. Ahsan and A. H. Sagu 2020. Roof Top Gardening, A Solution For Landscape Enhancement In Urban Areas: A Case Study of Faisalabad, Pakistan. Pak. J. Agri. Sci., Vol. 57(2), 333-337; 2020 DOI: [10.21162/PAKJAS/2020.8746](https://doi.org/10.21162/PAKJAS/2020.8746)
- xv. Akhtar, G., M.J Jaskani, Y. Sajjad, **A. Akram** , A. Farooq and G. Rasool (2018). *In Vitro* Root and Shoot Formation of *Rosa centifolia* using Plant Growth Regulators. Philippine Journal of Crop Science (PJCS) August 2018, 43 (2):63-70

- xvi. Ki Byung Lim and **Ahsan Akram** (2017). Indigenous wild lily species of Korea. LILIES and Related Plants 2017-2018. The Royal Horticultural Society, pp # 26-31 ISBN:978-0992791827
- xvii. Ki Byung Lim and **Ahsan Akram** (2017). *Lilium hansonii*- A wild native of Korea. The North American Lily Society, Quarterly Bulletin Vol.71 No.4 pp # 31-40
- xviii. Akhtar, G., M.A. Khan, M.J Jaskani, Y. Sajjad and **A. Akram**, 2016. Effect of Antioxidants, Amino acids and Plant Growth Regulators on in vitro Propagation of *Rosa centifolia*. Iran J. Biotech.14(1): e 1152
- xix. Akhtar, G., **A. Akram**, Y. Sajjad, A. Farooq, R.M. Balal, A.Younis and K.B. Lim, 2016. Improving Flower Yield of Two Essential Oil Bearing Rosa Species Through Pruning Severity. Pakistan Journal of Nutrition 15 (4): 328-332.
- xx. Sardar, H., G. Akhtar, **A. Akram** and K. Naseem, 2016. Influence of mulching materials on soil conditions, weeds, plant growth and flower yield of *Rosa centifolia*. Int. J. Agric. Appl. Sci. 8(1): 1-8.
- xxi. Balal, R.M., M.M. Javaid, M.A. Shahid, H. Tariq, M. Zubair, **A. Akram** and G. Akhtar, 2016. Plant growth is highly associated with the concentration of organic and inorganic osmolytes, antioxidant activities in salt stress tomato (*Lycopersicon esculentum*) plants. Sci. Intl., 4:30-38.
- xxii. Shaukat.F., R.M. Balal, M.A. Shahid, G. Akhtar, **A. Akram**, M. W. Khan and M. Zubair. Identification of drought induced drastic effects on Guava (*Psidium guajava*) at seedling stage. International Journal of Chemical and Biochemical Sciences, 8 (2015): 15-27
- xxiii. Wani, K.F. M., R.M. Balal, M.A. Shahid, M. W. Khan, M. R. Liaqat, **A. Akram**, M. Zubair, 2015. Morphological, Physiological and Nutritional Responses of ten Tomato Genotypes at Maturity stage under heat stress. Research Journal of Innovative Ideas and Thoughts, 4(2):63-78.
- xxiv. **Akram, A.**, G. Akhtar, I. Ahmad, R.M. Balal, M.A. Shahid, A.Younis and S. Imran, 2015. Efficacy of Planting Seasons and Macro Nutritional level on Growth, Yield and Vase Life of

Carnation *Dianthus Caryophyllous* L. Science Technology. & Development, Vol. 34 (3), 169-178

- xxv. Zubair, M., R. M. Balal, M. A. Aqueel, M. A. Shahid, G. Akhtar, **A. Akram**, M.W. Khan and M.A. Sadiq, 2015. Nutritional Assesment of Kinnow Mandrin Fruit (*Citrus reticulata* Blanco), Infected by Few Sucking Insect Pests of Citrus. Pak. J. of Nutri. Vol. 14 (8), 487-491
- xxvi. Akhtar, G., **A. Akram**, Y. Sajjad, R. M. Balal, M. A. Shahid, H. Sardar, K. Naseem, S. M. Shah, 2015. Potential of Plant Growth Regulators on Modulating Rooting of *Rosa centifolia*. American Journal of Plant Sciences. 6, 659-665
- xxvii. **Akram, A.**, M.A. Khan, A.Younis, M. Ashfaq, 2014. Exogenous application of 24-Epibrassinolide on Morpho-physiological, biochemical attributes and essential oil contents of *Jasminum sambac* L. Pak. J. Agri. Sci., Vol. 51 (3), pp 881-886
- xxviii. Imran, S., I. Afzal , M. Amjad, **A. Akram**, K. M. Khawar and S. Pretorius, 2014. Seed priming with aqueous plant extracts improved seed germination and seedling growth under chilling stress in Lentil (*Lens culinaris* Medik) Acta Adv. Agri. Sci. Vol. 02 (2014), Issue 11, pp 58-69
- xxix. Ahmad, I., J. M. Dole, M. Saleem, A. Ahmad, M. A, Khan, A.S, Khan, and **A. Akram**. 2013. Preservatives and packaging material have an impact on the post-harvest longevity of cut *Rosa hybrida* L. ‘Kardinal’ flowers. Journal of Horticultural Science & Biotechnology 88 (3) 251–256
- xxx. Ahmad, I., A. Ahmad, S. Ahmad, A. Amjad, M. Saleem and **A. Akram**. 2011. Physico-chemical characteristics of various agricultural substrates and their effects on biometric and qualitative characteristics of *Ruscus hypophyllum* L. International Journal of Agriculture & Biology. 14(1) 116–120.
- xxxi. Shahid, M.A., M.A. Pervez, R.M.B. Chaudhry, M. Ayyub, U. Ghazanfar, T. Abbas, A. Rashid, F.G. Sancehz, M.S. Mattson and **A. Akram**. 2011. Effect of salt stress on growth, gas exchange attributes and chlorophyll contents of pea (*Pisum sativum*). African Journal of Agricultural Research. 6(27):5808-5816.

- xxxii. Ahmad, I., T. Ahmad, M. Asif, **A. Akram** and M. Saleem. 2009. Effect of Bulb size on growth, flowering and bulbils production of tuberose. *Sarhad J. Agric.* 25(3): 391-397
- xxxiii. **Ahsan Akram** , Muhammad Aslam khan and Iftikhar Ahmad. 2012. Planting season and Nutrition Effects on Carnation production. Book , LAMBERT Acadmic Publishing. (**Thesis Book**)

RESEARCH PROJECTS

- Achieve Higher Education Commission, Pakistan (HEC) project entitled “Exploitation, production potential and Value Addition of Aromatic Floricultural crops to uplift poverty elevation of farmers.” Higher education commission, Pakistan Approved a Research grant of PKR 4.062 million under NRPU (University of Agriculture, Faisalabad) 2022-25 (as **PI**)
- Achieve Higher Education Commission, Pakistan (HEC) project entitled “Investigations on Physio-biochemical attributes and vase life of Tuberose *Polianthes tuberosa* L in response to inoculation with endophytic fungi.” Higher education commission, Pakistan Approved a Research grant of PKR 0.5 million under SRGP.(University college of Agriculture, University of Sargodha) 2015-16 (as **PI**)
- Exogenous application of 24-Epibrassinolide on morpho-physiological and biochemical attributes of *Jasminum sambac* L. in greenhouse conditions. (completed in 2012, Cornell University, New York, USA)
- Ph. D. Project : Effect of 24-Epibrassinolide on flower production and comparison of essential oil extraction techniques for *Jasminum sambac* L (completed in 2014, University of Agriculture Faisalabad, Pakistan)
- M. Sc. (Hons.) Project : Comparison of various planting seasons and macr nutritional (NPK) levels on growth, yield and vase life of Carnation (*Dianthus caryophyllous*) (completed in 2009, University of Agriculture Faisalabad, Pakistan.)
- B.Sc. (Hons.) Project: Identification and tagging of woody ornamentals in University of Agriculture, Faisalabad campus. (completed in 2007, University of Agriculture Faisalabad, Pakistan.)

International Proceedings/Abstracts/Posters:

- Balal., R. M, M. M. Khan, M. U. Ghazanfar, Z. Iqbal, M. A. Shahid, T. Abbas, A. V. Pizaro, F. G. Sanchez, **A. Akram** and M. Mceue. 2011. Characterization of different rootstock and interstock combinations for alleviating citrus greening disease. 8th

National Conference of Pakistan Phytopathological Society, Challenges and options for plant health management, pp.12.

- **Akram., A**, A. Younis and A. Riaz. Characterization and qualitative Analysis of *Jasminum sambac* Essential oil Through GC/MS technique. 2015 Annual Autumn Conference of Korean Society of Horticultural Science, Yeosu, Korea, 28 Oct.-30 Oct 2015
- **Akram., A**, W.B. Miller, A. Younis, I. Ahmad and G. Akhtar. 2016. Efficacy of 24-EBL on morpho-physiological and biochemical attributes of *Jasminum sambac* under greenhouse conditions. 2nd International Conference on Horticultural Sciences, (ICHS 2016/AB_172, pp.97)
- Akhtar., G, M. M. Khan, M. J. Jaskani, A. Farooq, D. H. Byrne, F.S. Awan, M. Kiani and **A. Akram**. 2016. Genetic analysis of different genotypes of *Rosa centifolia* and *Rosa damascena* from Pakistan, USA and Iran. 2nd International Conference on Horticultural Sciences, (ICHS 2016/AB_123, pp.79)
- Ramzan,**F.**, A. Younis, **A. Akram**, S. Bae, M.J. Kwon, S. Ahn, V. Co, Guo Ge and K.B. Lim. Comparative Karyotype efficacy among *Lilium* hybrids by using FISH analysis. 2016 Annual Autumn Conference of Korean Society of Horticultural Science, Changwon, Korea, 25 May.-28 May, 2016
- **Akram., A**, A. Younis, F. Ramzan, S.Bae, M.J. Kwon, S. Ahn, V. Co and K.B. Lim. Standardization of Supercritical Fluid Extraction (SCFE) technology for Essential Oil extraction of *Jasminum sambac*. 2016 Annual Autumn Conference of Korean Society of Horticultural Science, Gwangju, Korea, 26 Oct.-29 Oct 2016
- Ramzan,**F.**, A. Younis, **A. Akram**, S. Bae, M.J. Kwon, S. Ahn, V. Co and K.B. Lim. GISH Analysis: A tool to identify Genomic status in *Lilium* Hybrids. 2016 Annual Autumn Conference of Korean Society of Horticultural Science, Gwangju, Korea, 26 Oct.-29 Oct 2016
- Ramzan,**F.**, A. Younis, **A. Akram**, S. Bae, S. Ahn, M.J. Kwon, Y. K. Jo and K.B. Lim. Hybridity and Genomic Categorization of F1 *Lilium* Hybrids through Genomic *in Situ* Hybridization (GISH) Analysis. Annual Conference of The Korean Society for Floricultural Science, Muju, Korea, 12 Jan.-13 Jan. 2017

Popular Online Articles :

- Iqra Noor, **A. Akram**, A. Younis, A. F. Akbar and A. Parveen. Roman Chamomile Daisy (*Chamaemelum nobile* L.). Biological Times. 2024. September 3(7): 47-48

- Nimra Y., **A. Akram**, A. Younis, A. Hassan and A. F Akbar. *Socimum basilicum*, A Comprehensive Exploration of Basil: A Review. Biological Times. 2024. September 3(7): 43-44
- Sufian K., **A. Akram**, A. Younis, S. Hussain and A. F. Akbar. Impact of Drought Stress on Growth Dynamics of *Pelargonium graveolens* (Rose-Scented Geranium). Biological Times. 2024. September 3(7): 45-46
- **Ahsan Akram**, M. Talha, A. Younis and A.F. Akbar. Vertical Gardening: Edible Landscape a way forward to sustainable urban Horticulture. Published in Technology Time. Online Available at <https://technologytimes.pk/>
- M. Muzamil Ijaz, M. Asad Shabbir, Adnan Younis, **Ahsan Akram** and Nasir Ahmad. . Horticultural Therapy. Published in Technology Time. Online Available at <https://technologytimes.pk/>
- G. Akhtar, M.M. Shahzad, K. Razzaq and A. Akram. Use of Plant growth retardants in turfgrass management Horti Mag January-June, 2021.
- Rashad Mukhtar Balal, Muhammad Wajid Khan, Gulzar Akhtar, Muhammad Zubair, **Ahsan Akram**. Role of Humic Acid in Plants Growth. 8th September, 2015. Online Available at <http://zaraimedia.com/2015/09/08/role-of-humic-acid-in-plants-growth>
- Rashad Mukhtar Balal, Gulzar Akhtar, Muhammad Wajid Khan, **Ahsan Akram**. Pakistan: Cucumber growers shift to tunnels to meet growing demand. 8th September, 2015. Online Available at <http://www.hortidaily.com/article/20294/Pakistan-Cucumber-growers-shift-to-tunnels-to-meet-growing-demand>
- Rashad Mukhtar Balal, Gulzar Akhtar, Muhammad Ammar Jabbar and **Ahsan Akram**. Enhancing growth of roses by using tea seed extract. 2 November, 2015. Online Available at <http://www.floraldaily.com/article/2605/Enhancing-growth-of-roses-by-using-tea-seed-extract>
- Rashad Mukhtar Balal, Muhammad Wajid Khan, Gulzar Akhtar, **Ahsan Akram**, Muhammad Zubair. An overview of chili vegetables in Pakistan. 11 December, 2015. Online Available at <http://www.hortidaily.com/article/22724/An-overview-of-chili-vegetables-in-Pakistan>
- Gulzar Akhtar, Muhammad Adnan Nawaz and **Ahsan Akram**. Ikebana; An important technique of flower arrangement. Volume 06 Issue 51, 21 December 2015. Weekly Technology Times. On line available at <http://technologytimes.pk/post.php?id=9475>
- Asad Abbas, Gulzar Akhtar, **Ahsan Akram** and Rashad Mukhtar Balal. Pakistan: Farming, post harvest handling and marketing of gladiolus. 16 February, 2016. Online Available at

<http://www.floraldaily.com/article/3929/Pakistan-Farming.-post-harvest-handling-and-marketing-of-gladiolus>

- Mehwish Siddique, Gulzar Akhtar, **Ahsan Akram**, Rashad Mukhtar Balal. Postharvest only entity to boost cut flower industry of Pakistan. March 1, 2016. Online Available at <http://www.floraldaily.com/article/4112/Postharvest-only-entity-to-boost-cut-flower-industry-of-Pakistan>
- **Ahsan Akram**, M. A. Shahid, R.M. Bilal and Gulzar Akhtar. Carnation beautiful ornamental flower. Urdu article. March 2011. Page. 49-50.
- Gulzar. Akhtar, Dr. R.M. Bilal, M.A. Shahid, T. Abbas, **A. Akram**. 2010. Green Biotechnology, Advance approach [Agrihunt.http://agrihunt.blogspot.com/2012/08/green-biotechnology-advanced-technique](http://agrihunt.blogspot.com/2012/08/green-biotechnology-advanced-technique)
- Gulzar Akhtar, M. Adnan Shahid, Dr. R.M. Bilal, T. Abbas, **A. Akram**. 2010. How to supercharge the Citrus, Agrihunt. <http://agrihunt.blogspot.com/2012/08/how-to-supercharge-citrus-industry>

Popular Extension Articles in Urdu Magazine/Newspaper:

- i. Younis A., **A. Akram**, M. Ahsan, M. M. Ijaz. Roof Gardening. (in Urdu) Zarai Digest- Page 41-42, April-June 2024
- ii. Nimra Y., **A. Akram**, M. Shahbaz, A. Younis, and A. Ahmad. Tulsi a Miracle Plant (in Urdu). Zaari Digest:63-65 (Oct-Dec. 2024)
- iii. **Ahsan Akram**, A. Saeed, A. Younis, M.N. Tahir گلڈولس ایک پیداواری منصوبہ Zari Digest. 2022. April-June. PP 58.
- iv. **Ahsan Akram**, M. Talha, A. Younis عمودی باغبانی، خوراک و جمالیاتی حسن کا امتزاج Rahber e kishan. Shumara 2022. No. 319 PP 2.
- v. **Ahsan Akram**, M.A. Asghar, A. Younis انٹرائینم کٹ فلاور کی پیداواری ٹیکنالوجی Rahber e kishan. Shumara 2022. No. 319 PP 2.
- vi. **Ahsan Akram**, A. Younis, M. Adeel Asghar. چھوٹی موٹی Zarai Zari Digest. January-March. 2021 PP 36
- vii. M. A. Asghar, A. Akram, A. Younis گل خوشبو کی پیداواری ٹیکنالوجی Zari Digest. January-March 2021 PP 37
- viii. M. A. Asghar, A. Akram, A. Younis گھریلو انڈور ہوائی آلودگی کے اثرات اور ان کا تدارک Zari Digest. 2020. October-September. PP 38.

- ix. Ahsan Akram, A. Younis, C.M. Ayub. Value Addition in Floriculture, Zari Digest. April-June 2020 PP 32

Abstracts in Scientific Proceedings and Conferences:

- Poster presented at two days International Symposium on Medicinal Plants and Natural Products organized by UAF Community College, PARS Campus on March 7-8, 2024.
- i. GILGIT-BALTISTAN POTENTIAL: COMMERCIAL OPPORTUNITY FOR ESSENTIAL OILS PRODUCTION IN PAKISTAN TO REDUCE THE IMPORT BILL. Yasir Majeed, Hasil Khan, Ahsan Akram, Irsan Ali, Muhammad Din, Muhammad Ayub, Munir Hussain
- ii. Abida Parveen, Farooq Ahmad, Adnan Younis, Ahsan Akram, Ahmed Faiz Akbar, Ayesha Faiz, Adeeba Zafar and Shamsa Rana. Anatomical Modification in *Ziziphus* Species from the Faisalabad Region. 8th International Horticulture Conference and Expo, Department of Horticultural Sciences, FA & E, IUB, Pakistan (February 26-28, 2024).
- Participated as poster presenter at International Conference on Recent Trends in Environmental Sustainability organized by The Department of Environmental Sciences, COMSAT University Islamabad, Vehari Campus on February 21-23 2022.
- iii. Effect of citric and malic acid on vase life of *Gladiolus grandiflorus* CV. red fortunate and white prosperity. M.N. Tahir, A. Akram, A. Younis, M. Hanif, A. Saeed and M. Talha.
- iv. Exogenous application of gibberellic acid and malic acid for developing production protocols and vase life of *Gladiolus grandiflorus* CV. white prosperity. A. Saeed, A. Akram, A. Younis, M. Shahbaz, M. Talha and M.N. Tahir.
- v. Impact of different organic soilless substrate on vegetative and reproductive growth of *Petunia x hybrid* cv. "Blush pink". M. Talha, A. Akram, A. Younis, A. Saeed and S. Tahir.
- vi. Display characteristics of different varieties of gladiolus (*Gladiolus grandiflorus*) in landscape. M.A. Shabbir, A. Younis, A. Akram M. Asif, R.M.A. Jamil.
- vii. An approach to access tree diversity changes in urban parks and its consequences on sustainable functioning of urban ecosystem. M.U. Shafique, A. Younis, M.A. Shabbir, A. Akram, M. Asif, R.M. A. Jamil.

- viii. Low street tree diversity: a possible threat to the sustainable urban ecosystem functioning. M.U. Shafique, A. Younis, A. Akram, M.A. Shabbir, M. Asif, R.M.A. Jamil, M. Ijaz, A.F. Akbar, A. Ahmad.
- ix. Field Evaluation of Turf Grass Species Korean (*Zoysia japonica*) and Tifway (*Cynodon transvaalensis* x *Cynodon dactylon*) in response to herbicide treatments. A. Akram, H. Ashraf, A. Younis, M. Asif, H. Abbas and M. Talha. International Horticulture Conference-2022, 17-19, May, 2022, D. I. Khan, KPK.
- x. Effect of plant Based extract on Phytochemicals and Morphological Properties of Calendula (*Calendula officinalis* L.) International Horticulture Conference-2022, 17-19, May, 2022, D. I. Khan, KPK.
- xi. Plant Water Relations and Efficiency of Various Commonly used houseplants. International Horticulture Conference-2022, 17-19, May, 2022, D. I. Khan, KPK.
- xii. Participated as poster presenter with title “Efficacy of Planting Seasons and Nutritional Levels on Growth, Yield and Vase Life of Carnation *Dianthus caryophyllous* L. at PSHS International Horticultural e-Conference on 22-23 February 2021 at Institute of Horticultural Sciences, University of Agriculture, Faisalabad.
Following Abstracts were published at PSHS International Horticultural e-Conference which was held on 22-23 February 2021 at Institute of Horticultural Sciences, University of Agriculture, Faisalabad.
- xiii. Effect of Different Soil Amendments on Growth and Flowering of Ranunculus Flower under Agro-Climatic Conditions of Faisalabad. M.U. Asif , A. Younis, A. Akram F. Ramzan, N.A. Khan , M. Ahsan and U. Tariq
- xiv. Display Characteristics of Different Varieties of Gladiolus (*Gladiolus grandiflorus* L.) In Landscape. M.A. Shabbir, A. Younis, A. Akram, F. Ramzan , N.A. Khan, M. Ahsan and U. Tariq
- xv. Effect of Different Potting Media on Growth and Development of Dahlia Cultivars Under Agro-Climatic Condition of Faisalabad. M. Abrar, A. Younis, A. Akram, F. Ramzan, N.A. Khan, M. Ahsan and U. Tariq.
- xvi. Impact of Fertilizers and Weedicide Applications on Growth and Density of Different Turf Species. H. Ashrafa, A. Akram, A. Younis, M. Shafique, M.A. Asghar, M. Talha, A. Saeed, M.N. Tahir, S.A.A. Hassan

- xvii. Effect of Citric Acid and Ascorbic Acid on Vase life of Gladiolus cv. Red Fortunate. M.A. Asghar, A. Akram , A. Younis, H. Ashraf, M. Talha, A. Saeed, M.N. Tahir and S.A.A. Hassan
- xviii. Optimization of Aluminum Sulphate and Calcium Chloride for Maximum Vase Life of Gladiolus cv. White Prosperity. M.A. Asghar, A. Akram and A. Younis
- xix. Influence of 24-Epibrassinolide on growth, yield and Physiological traits of *Jasmiunm sambac* L.” at PSHS International Horticultural Conference from 26-28 February 2020 at Institute of Agricultural Science, University of the Punjab, Lahore.

Books / Practical manual published at National levels with ISBN#

- i. Published practical manual of **Interioscaping** ISBN # 978-969-2277-78-5 (Print); 978-969-2277-79-2 (e-Book)
- ii. Published practical manual of **Environmental Horticulture** ISBN # 978-969-2277-72-3 (Print) ISBN # 978-969-2277-73-0 (e-Book)
- iii. Published practical manual of **Home Gardening** ISBN # 978-969-2277-40-2 (Print) ISBN # 978-969-2277-41-9 (e-Book)
- iv. Published practical manual of **Landscape Designing** ISBN # 978-969-2277-28-0 (Print) ISBN # 978-969-2277-29-7 (e-Book)

Book Chapters (Foreign publisher):

- i. Celocia Breeding: Classical and Molecular Approaches. Adnan Younis, M. Muzamil Ijaz, **Ahsan Akram**, and Muhammad Ahsan. 2025. In: Al-Khayri, J.M., Jain, S.M., Wani, M.A. (eds) Breeding of Ornamental Crops: Annuals and Cut Flowers. Advances in Plant Breeding Strategies, vol 6. Springer, Cham https://link.springer.com/chapter/10.1007/978-3-031-78653-2_2
- ii. Muhammad Ahsan, Adnan Younis, Fahad Ramzan, Usman Tariq, Muhammad Nafees, Fahim Nawaz, Gulzar Akhtar, **Ahsan Akram**, and Aneela Ramzan. 2022. Bio stabilization of Sewage Sludge. Springer Nature Switzerland AG 2022 147 V. D. Rajput et al. (eds.), Sustainable Management and Utilization of Sewage Sludge. https://doi.org/10.1007/978-3-030-85226-9_7
- iii. Adnan Younis, Muhammad Ahsan, **Ahsan Akram**, Ki-Byang Lim, Faisal Zulifqar and Usman Tariq. 2022. Use of Organic substrates in Sustainable Horticulture. CABI International 2022. M. Hassanuzzaman et al. (eds.), Bio stimulants for Crop Production and Sustainable Agriculture. <https://doi.org/10.1079/9781789248098.0000>

Students' supervision:

Ph.D. Scholars Supervised:

Sr. #	Name of Student	Thesis Title	Status
1	Muhammad Asad Shabbir 2014-ag-4826	Effect of Horticultural Therapy on Human Health	Comprehensive Written + Oral Exam (Qualified) Thesis Write up
2	Ali Ahmad 2015-ag-7019	Plant growth, physiological and bioactivities responses of basil (<i>Ocimum</i> species) essential oil to nano-biostimulants and bio isolates	Comprehensive Written + Oral Exam (Qualified) Thesis Write up

3	Rao Muhammad Aftab Jamil 2014-ag-4788	Ethnobotany, Phytochemistry and Bioactivities of medicinal and Aromatic plants of Rupal Valley, Pakistan	Comprehensive Written + Oral Exam(Qualified), Synopsis Defense
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Ph.D. on going as Committee member:

S.NO.	Name of Student	Title of Thesis	Status
1	Muhammad Muzamil Ijaz 2018-ag-84.	Role of Nano-stimulants in triggering the release of secondary metabolites in lemongrass (<i>Cymbopogon citratus</i> L.)	Ph.D. Degree notified

M.Sc. (Hons.) thesis completed as Supervisor:

S.No.	Name of Students	Thesis title	Passing year
1	Sufyan Khalid 2018-ag-7329	Efficacy of plant based super absorbent polymers on morphological growth of geranium (<i>Pelargonium Graveolens</i> L) under drought conditions	2024
2	Muhamad Absar 2022-ag-69	Characterization of <i>Muraya koenigii</i> essential oil by using hydro-distillation and its antifungal properties	2024
3	Iqra Noor 2018-ag-6778	Effect of bio-stimulants on growth and development of roman chamomile daisy (<i>Chamaemelum nobile</i> L.)	2024
4	Nimra Younas 2019-ag-3256	Efficacy of bio-stimulant on growth and yield of basil (<i>Ocimum basilicum</i> L)	2024
5	Munaza Komal 2021-ag-1212	Effect of Copper and Cadmium on its Physiological attributes of African Marigold (<i>Tagetes erecta</i> L.)	2023
6	Sana Tahir 2021-ag-86	Comparative efficacy of chemical and Bio- stimulant preservatives for vase life and quality of Gladiolus (<i>Gladiolus grandifloras</i> L.) cut flower CV. Red Magma	2023
7	Muhammad Toqeer 2015-ag-5252	Effect of Biochar on growth and development of Money plant (<i>Epipremnum aureum</i> L.)	2023
8	Hamza Nawaz 2021-ag-87	Effect of growing substrates on growth and development of Carnation (<i>Dianthus</i> <i>caryophyllus</i> L.)	2023
9	Faizan Shabbir 2017-ag-9961	Comparative efficacy of essential oil extraction of <i>Rosa centifolia</i> through different extraction techniques	2023

10	Muhammad Talha 2016-ag- 6949	Physiochemical analysis of different Soilless substrates and their effect on growth and development of <i>Petunia x hybrida</i> CV. 'Pink Morn'	2022
11	Afzal Saeed 2020-ag-117	Exogenous application of Gibberellic acid and Malic acid to check the growth, development and longevity of <i>Gladiolus grandifloras</i> CV. White prosperity	2022
12	Muhammad Noman Tahir 2020-ag-97	Effect of Citric and Malic acid on vase life of <i>Gladiolus grandifloras</i> CV. Red Fortunate and White prosperity	2022
13	Muhammad Adeel Asghar. 2015-ag-6874	Effect of Exogenous Application of Salicylic Acid on Pre- and Post- Harvest Attributes of <i>Antirrhinum majus</i> L.	2021
14	Hamza Ashraf. 2014-ag- 5633	Impact of Fertilization and Weedicide Application on different Turf Species	2021

M.Sc. (Hons.) thesis completed as Committee member:

S.No.	Name of Students	Thesis title	Passing year
1	Faisal Rafiq 2018-ag-8544	Effect of gibberellic acid and salicylic acid on growth, physiology, and anatomy of <i>Celosia cristata</i> L.	2024
2	Hooria Mushtaq 2016-ag-5423	Impact of seed priming technique on germination of <i>Coleus blumei</i>	2024
3	Nimra Mubasher 2018-ag-7294	Effects of different organic growing media on growth, quality, anatomical and physiological characteristics of <i>Ruscus hypophyllum</i>	2024
4	Fajar-un-Nisa 2018-ag-6701	Extraction of lemongrass essential oil and exploiting its potential activity against <i>Xanthomonas citri</i> sub sp. Citri and <i>Aedes aegypti</i>	2024
5	Muhammad Asad Ali 2018-ag-8582	Impact of Potassium Application on Cold Stress Resilience in <i>Cynodon dactylon</i> (L) Pers. 'Fine Dacca'	2024
6	Mirza Abdul Saboor 2018-ag-6862	Landscape Establishment and student perception at Jinnah Hall, UAF: A Case Study	2024
7	Shah Zaib 2018-ag-8688	Impact of IBA and NAA on rooting and growth of coleus cuttings (<i>Plectranthus scytellarioides</i>)	2024
8	Gul Zaib Hassan 2022-ag- 33	Ecological Weed Management in Sunflower (<i>Helianthus annus</i> L.) Through Hybrid Mixture and Reduced Herbicide Dose	2024
9	Ali Rubab	Effect of Macronutrients, Micronutrients,	2023

	2021-ag-1209	Amino acids and plant growth regulators (PGRS) on vegetative, reproductive and biochemical attributes of Garlic (<i>Allium sativum</i> L.)	
10	Sibgha Rana 2016-ag-6339	Effect of different potting media on growth and development of <i>Sanchezia speciosa</i>	2022
11	Muhammad Asad Saleem 2016-ag-6311	Response of <i>Beaumontia grandiflora</i> wall. Cuttings to various concentrations of IBA	2022
12	Fatima Irshad Alvi 2020-ag-96	Effect of various growing substrates on growth and development of Foxtail palm (<i>Wodyetia bifurcata</i>)	2022
13	Muhammad Sayyab Rasheed 2016-ag-6878	Quality production of <i>Passiflora incarnate</i> and <i>Clerodendrum splendens</i> by exploiting various organic rooting substances	2022
14	Aimen Raza 2020-ag-111	Effect of various growing substrates on growth and development of Ponytail palm (<i>Beaucarnea recurvata</i>)	2022
15	Hafiz Tanveer Ali Khan 2020-ag-99	Assessment of indole butyric acid (IBA) effect on rooting of <i>Petra volubilis</i> cuttings	2022
16	Zaryab Mahfooz 2019-ag-105	Effect of vermicompost and various growth substrates on growth and development of Hawaiian Ti (<i>Cordyline fruticose</i>)	2021
17	Muzamil Ijaz 2018-ag-84	Effect of plant based extract on phytochemicals and morphological properties of calendula <i>Calendula officinalis</i>	2020
18	Muhammad Kashif 2018-ag-85	Effect of GA ₃ and plant growth promoting rhizobacteria (PGPR) on growth and development of Foxtail palm (<i>Wodyedia bifurcade</i>)	2020
19	Sumiya Yaseen 2018-ag-73	Effect of Physical energies on germknation and growth behavior of <i>Celosia cristata</i> Cocks- comb	2020
20	Urwa Irshad 2014-ag-4632	Effect of seed priming and pelleting on germination and growth behavior of Cock-s comb (<i>Celosia cristata</i> L.)	2020
21	Muhammad Asad Shabbir 2014-ag- 4826	Display characteristics of different varieties of Gladiolus (<i>Gladiolus grandifloras</i> L.) in landscape	2020
22	Abrar Msood 2014-ag-5611	Effect of different potting media on growth and development of Dahlia cultivars under Agro climatic condition of Faisalabad	2020

COURSES TAUGHT (During last Five years)**Winter Semester 2020-25**

Sr.#	Course code & Course name	Credit Hours	Class
1	Hort-605 Research Methods in Horticulture (Practical)	3(2-1)	B.Sc. (Hons) Agriculture-Horticulture
2	Hort-607 Propagation and Nursery Management (Practical)	3(2-1)	B.Sc. (Hons) Agriculture-Horticulture
3	Hort-609 Commercial Flower Production (Practical)	3(2-1)	B.Sc. (Hons) Agriculture-Horticulture
4	Hort-509 Organic Horticulture (Practical)	3(2-1)	B.Sc.(Hons) Agriculture-Horticulture (5th Semester)
5	Hort-401 Home Gardening (Practical)	3(2-1)	B.Sc. (Hons) Home Sciences
6	Hort-301 Horticultural Crop Production (Evening) (Theory + Practical)	3(2-1)	B.Sc. (Hons) Human Nutrition & Dietetics
7	Hort-717 Environmental Horticulture (Practical)	3(2-1)	M. Phil & Ph.D.
8	Hort-719 Special Problem	1(1-0)	M. Phil & Ph.D.
9	Hort-720 Seminar I	1(1-0)	M. Phil & Ph.D.
10	Hort-720 Seminar II (Ph.D. Synopsis Defense)	1(1-0)	Ph.D.

Sr.#	Spring Semester 2020-25	Contact Hours	Class
1	Hort-514 Organic Horticulture Production (Practical)	3(2-1)	B.Sc. (Hons) Agriculture-Horticulture
2	Hort-302 Introductory Horticulture (D) (Theory)	3(2-1)	B.Sc. (Hons) Agriculture
3	Hort-302 Introductory Horticulture (J) (Practical)	3(2-1)	B.Sc. (Hons) Agriculture
4	MAT-212 Flower Gardening and Landscaping (Theory)	4(2-2)	Modern Agriculture Technology (Diploma Agriculture (3rd Semester)
5	MAT-212 Flower Gardening and Landscaping (Practical-1)	4(2-2)	Modern Agriculture Technology (Diploma Agriculture (3rd Semester)
6	Hort-719 Special Problem	1(1-0)	M. Phil & Ph.D.
7	Hort-720 Seminar I	1(1-0)	M. Phil & Ph.D.
8	Hort-720 Seminar II (Ph.D. Synopsis Defense)	1(1-0)	Ph.D.

Editorial member & Reviewer:

- Regional editor of Pakistan Journal of Nutrition, member of editorial board of four journals and potential reviewer of many national & International Peer reviewer Journals.

Trainings & Courses:

- i. Participated in one day training workshop held on 24th June 2024 on Demonstration of Vegetable Seed Production Technology to Stakeholders conducted under Quality Seed Production Supply to the Farming community for ensuring Food Security in Pakistan .
- ii. Participated in one day webinar held on 08th July 2024 on Monitoring & Management of Citrus Greening (HLB) .
- iii. Participated in one day Wiley Research Training held on 12th March 2024 on Improving Discoverability of Research.
- iv. Attended international training workshop on Citrus Prospects of Citrus Production Challenges and Opportunities held on 1-2 October 2024 organized by Institute of Horticultural Sciences, University of Agriculture Faisalabad.
- v. Attended training workshop on Crop Monitoring using Kisan 360 App held on 1-10th October 2024 organized by Center of Advanced Studies in Agriculture and Food Security, University of Agriculture Faisalabad.
- vi. **Professional Certification in Mushroom cultivation** organized by Pakistan Society of Horticultural Sciences at HIS, UAF from 27-11-2006-02-12-2006.
- vii. **Training course on tunnel technology** organized by Pakistan Society of Horticultural Sciences at HIS, UAF from 19-24 Feb., 2007.
- viii. **Essential oil extraction by using supercritical fluid extraction technology**, Rose project, Institute of Horticultural Sciences, University of Agriculture, Faisalabad-38040, Pakistan from 13-10-08 to 23-10-08.
- ix. **Federal Worker Protection Standard Training** conducted at 301 C Rice Hall, Cornell University, NY USA on 16th Dec. 2012

Foreign Training

IRSIP International Research Support Initiative Program awarded by Higher Education Commission (HEC), Pakistan a six months Ph.D. Fellowship at Dept. of Horticulture, Cornell University, Ithaca, New York, USA dated on 01-11-2011 to 30-05-2012.

Short Courses

- i. Conducted ten days short course entitled “Kitchen Gardening & Floriculture” held on 18th March 2024 in the Institute of Horticultural Sciences, University of Agriculture Faisalabad.
- ii. Conducted ten days short course entitled “Kitchen Gardening & Floriculture” held on 22nd July 2024 in the Institute of Horticultural Sciences, University of Agriculture Faisalabad.

Seminars &

Conferences: (Participation & member of organizing committee)

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- Served as committee member Organized Flower and Landscape Expo-2024 on spring festival held at University of Agriculture Faisalabad from 6th to 7th March 2024 by the approval of Worthy Vice Chancellor Notification No. Endst. No. A-5/409/2642-2840 dated 23-01-2024.
- Served as committee member Organized Three-day Annual Chrysanthemum & Autumn Flower Show 2024 on spring festival held at University of Agriculture Faisalabad from 10th to 12th December 2024 by the approval of Worthy Vice Chancellor Notification No. Coord./7-D/10025 dated 21-09-2024.
- Served as committee member Organized one-day International Seminar on Urban Horticulture at Institute of Horticultural Sciences/ interaction with students held at University of Agriculture Faisalabad from 11th October 2024 by the approval of Worthy Vice Chancellor Notification No. Coord./60-B/12211 dated 02-10-2024.
- Virtually participated in International Horticulture Conference held on 17-19 May 2022 organized by Department of Horticulture, Faculty of Agriculture, Gomal University Dera Ismail Khan, Khyaber Pakhtunkhawa, Pakistan. Online presentation
- Participated in training “3D Landscape Designing Techniques” held at University of Agriculture Faisalabad from 16th to 17th August 2022.
- Participated in training “International Conference on Urban Horticulture: Global Scenario and Local Prospects” held at PMAS- Arid Agriculture University Rawalpindi, Pakistan from 23rd -24th June 2022.
- Participated in training “International Conference Climate Change: Impacts & Solutions” held at University of Agriculture Faisalabad from 07th to 09th November 2022.
- Participated in one day seminar on “Germplasm diversification in Fruit Crops” organized by Institute of Horticultural Sciences, University of Agriculture Faisalabad on 06th December 2022.
- Participated in one day Chrysanthemum Day, 2022 at University of Agriculture Faisalabad on 15th December 2022.

- Attended International webinar on “Urban Biodiversity and Landscape Management under Climate Change” held on 11-11-2021 organized by Institute of Horticultural Sciences, University of Agriculture Faisalabad Pakistan.
- Participated in the CATAS-UAF workshop on Tropical Agricultural S&T Co-operation held on September 23, 2021.
- Participated in an one day seminar on Vegetable Grafting: A step towards Organic Production organized by Institute of Horticultural Sciences, University of Agriculture Faisalabad held on September 30, 2021.
- Participated in the First National Date Palm Stakeholders Meeting & Date Festival held on October 14 & 15, 2021.
- Participated in the Citrus Exhibition organized by Institute of Horticultural Sciences, University of Agriculture Faisalabad, held on December 13-14, 2021.
- Participated in one day International Webinar on Scientific Illustration held on December 22, 2021 organized by Institute of Horticultural Sciences, University of Agriculture Faisalabad.
- Participated as poster presenter in International Horticulture e-Conference from 22nd-23rd February, 2021 held at Institute of Horticultural Sciences, University of Agriculture Faisalabad Pakistan
- Participated in AASSA-PAS Webinar series 2021 on “Pandemic Preparedness, one Health: Lesson Learnt” held on May 04, 2021 Pakistan Academy of Sciences, Islamabad.
- Attended seminar on “Principles of Species conservation planning and remote conservation during a pandemic situation” on June 5th, 2021 jointly organized by PMAS Arid Agriculture University Rawalpindi and Virtual University Lahore.
- Attended International Seminar on “Recent Challenges & Prospects of Horticulture in Pakistan” on 23rd -24th June, 2021 organized by PMAS Arid Agriculture University Rawalpindi.
- Participated in International webinar on “Greenhouse Horticulture: Current Status and Future Prospects” during June 29th 2021 at Department of Horticulture, MNS university of Agriculture Multan Pakistan.
- Attended webinar on “Use of Mulching in Landscape” on 05th July 2021 held at Institute of Horticultural Sciences, University of Agriculture Faisalabad Pakistan.
- Attended training workshop on “3D Landscape Design and Management” from 09-08-2021 to 13-08-2021 held at Institute of Horticultural Sciences, University of Agriculture Faisalabad Pakistan.

- Certificate of Participation in recognition of organizing national conference on Emerging Scientist 2019, held March 30-31, 2019 at ADL-Conference Hall, Faisalabad, Pakistan
- Certificate of participation in ACSE short course for journal Editors on Publication Ethics, Peer Review and Metrics held in Dubai, UAE, August 13, 2015.
- National Workshop on Role of Imaging Techniques in Plant Disease Diagnosis, organized by department of Plant Pathology, University College of Agriculture, University of Sargodha, on May 5th 2015.
- Workshop on Intellectual Property Rights, organized by PASTIC (Pakistan Scientific & Technological Information Center), Lincon corner, University of Sargodha, on May 15th 2015
- Certificate of participation in ACSE short course for journal Editors on Developing a Successful Journal held in Dubai, UAE, August 13, 2015.
- Certificate of participation in ACSE short course for journal Editors on Marketing for Scholarly Journals held in Dubai, UAE, August 13, 2015.
- Seminar on Images for Horticulture and IPM education organized by Horticulture department Cornell University, NY, USA on 30th Jan. 2012
- Ecology of Root life span, by David Einssenstat, Penn State University on 1st Feb 2012
- China's economic ascent and its Global consequences by Justin Lin, CE World Bank organized by Department of International Studies, Cornell University, NY, USA on 20th Feb. 2012
- Integrating digital teaching tools and discovering learning in plant Physiology courses and informal learning situations, by Burkhard Schulz, department of Horticulture and Landscape Architecture Purdue University, USA on 6th Feb 2012
- Participation in Ivy League Muslim Conference 2012 held at Yale University, Connecticut, USA on 18-19 Feb. 2012
- International symposium on sustainable crop production, Faculty of Agriculture, Univ. of Agric., Faisalabad Sep. 14-16, 2006.
- International symposium on Prospects of Horticultural Industry in Pakistan, Institute of Horticultural Sciences, UAF, March, 28-30, 2007.
- National workshop on Production of disease free citrus nursery plants, Institute of Horticultural Sciences, UAF, September, 12-13, 2007.
- One day workshop on Floriculture & Landscape Management. Institute of horticultural Sciences, University of Agriculture, Faisalabad. April 12, 2008.
- One day workshop on Role of medicinal plants in poverty alleviation. Institute of horticultural Sciences, University of Agriculture, Faisalabad. May 27, 2008.
- One day seminar on Prospects of Floriculture Industry in Pakistan. July, 28th 2009.
- One day conference on Horticulture (Fruits). 30th Dec. 2010
- International seminar on Exploring potential Marketing Avenues in Floriculture Industry 19th October, 2010
- One day seminar on Market oriented Floriculture in Pakistan 13th April, 2010.
- Seminar on 50-years of Horticulture in Pakistan 14th Feb., 2011.
- Seminar on Medicinal plants 17th Feb., 2011.
- Seminar on Mushroom culture 18th Feb., 2011.
- Seminar on Controlled & Modified Atmosphere Storage 19th Feb., 2011.

- International seminar on Horticulture and Agribusiness in developing countries, Jointly organized by embassy of Republic of Indonesia, Islamabad & University of Agriculture, Faisalabad Pakistan 17th March, 2011.

Exhibitions:

- Active participation in arrangement of different floriculture exhibitions organized by various private and Government organizations.
- Participated in World Floral Expo 2012 held at New York, USA on 14-16 March 2012
- Participation in PAK-CHINA Business Forum 2013 held at PAK-CHINA Friendship Center, Islamabad on 23-26 March 2013
- Participation in DAWN Sarsabz Pakistan AGRI EXPO 2013 held at Expo Center Lahore on 4-5 April 2013
- Participated as exhibitor in VC Forum 2013, Universities in the Islamic World: Challenges of Internationalization held at Serena Hotel, Islamabad on September 23-24 2013
- Certificate of participation in flower arrangement, organized by PSHS (Dec. 06, 2006)
- Management of Phool Mela, 2009 at provincial level at UAF.
- Floral arrangements competition on Horticulture week organized by IHS University of Agriculture, Faisalabad. Feb. 14-19, 2011
- Exhibition of Herbal products 17th Feb., 2011.

Awards/ Honors and certificates:

- ❖ HEC selected and nominate as **HEC Approved Ph. D Supervisor** for the duration of three years on August 04, 2021.
- ❖ HEC selected and nominate as **HEC Approved Ph. D Supervisor** for the duration of three years on May 10, 2016.
- ❖ ACSE (Asian Council of Science Editors) **Ambassador award** for the duration August 2015- August 2016, on August 14, 2015 in Dubai UAE
- ❖ **IRSIP** International Research Support Initiative Program Six month Ph.D. Fellowship at Dept. of Horticulture, Cornell University, Ithaca, New York, USA dated on 01-11-2011 to 30-05-2012.
- ❖ HEC Indigenous 5000 M.Sc.(Hons.) leading to Ph.D. Scholarship (2007-2012)
- ❖ Got 1st position in English speech at Zonal level (Twice) (1997-98)
- ❖ Merit Scholarship in Middle Exam. (1997)
- ❖ Got 1st position in Matriculation (School level) (1999)
- ❖ Merit Scholarship in Matriculation Exam.(1999-2001)
- ❖ Certificates of appreciation for active participation in arrangement of various university functions, workshops and symposiums.

Practical Exp.

- (1) Greenhouse and open field production of cut flowers.
- (2) Postharvest management of cut flowers.
- (3) Management of Horticultural Plant Nursery.

- (4) Hard & Soft Landscape Designing and establishment of lawns.
- (5) Identification of landscape & woody ornamental plants.
- (6) Essential oil extraction of high value nontraditional crops using supercritical fluid extraction technology, Solvent extraction and steam distillation.

Management Experience:

- i. **Vice President, Pakistan Society of Horticultural Sciences**, University of Agriculture, Faisalabad **2007-08**.
- ii. **Horticultural Councilor**, the Agrarian Society, UAF **2004-06**.
- iii. **Coordinator**, admission guidance desk organized by the Agrarian Society, UAF **2005**.
- iv. **Member**, orientation committee organized by the Agrarian Society, UAF **2006**.
- v. **Member, Sports Gala organizing committee**, organized by the Agrarian Society, UAF **2006**.

Memberships:

Pakistan Society of Horticultural Sciences	(Member)
Asian Council of Science Editors	(Member)
The Agrarian Society	(Member)
International Scientific Organization	(Life time Member)
SOHO (Society of Horticultural Organization, USA)	(Ex-Member)
Korean Society of Horticultural Science	(Ex-Member)

Computer Skills:

Windows 2007 & 2010, MS Word, MS Power Point, Internet & E-Mail

References:

Dr. Adnan Younis

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Institute of Horticultural Sciences,
University of Agriculture Faisalabad, Pakistan
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