

## Curriculum Vitae

### Personal:

Name MUHAMMAD ADEEL GHAFAR  
S/o Ghafar Ahmad  
Date of Birth October 21, 1993  
Nationality Pakistan  
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NIC No. 33301-6144833-5  
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### Academics:

Degree/Certificate	Institution	Year	Subjects
Secondary School Certificate	Govt. Millat High School Gojra	2008	English, Math, Biology, Chemistry, Physics
Intermediate	Government College University, Faisalabad-Pakistan	2010	Pre-Medical Biology, Chem
Bachelor of Science	Government College University, Faisalabad-Pakistan	2012	English, Botany, Zoology, & Chemistry.
Bachelor of Education	Allama Iqbal Open University, Islamabad-Pakistan	2013	Science Education
Master of Science in Botany	University of Agriculture, Faisalabad	2014	Botany
Master of Education	Allama Iqbal Open University, Islamabad-Pakistan	2018	Science Education
Master of Philosophy in Botany	Government College University, Faisalabad-Pakistan	2016	Botany
Philosophy of Doctorate in Botany	Government College University, Faisalabad-Pakistan	2023	Botany

### Committee/Membership

1. Member Admission Committee, Baba Guru Nanak University
2. Member Board of Studies, Department of Botany, Baba Guru Nanak University

3. Member/Secretary Departmental Examination Committee, Department of Botany, Baba Guru Nanak University
4. Member Student Counseling and Advisory Committee, Department of Botany, Baba Guru Nanak University
5. Member Curriculum Review & Assessment Committee, Department of Botany, Baba Guru Nanak University

### **Journals**

Managing Editor Annals of Applied Sciences & Technology (AAST)

Reviewer, Sustainability MDPI

Reviewer, Pakistan Journal of Botany (PJBOT)

Reviewer, Environmental Research Springer

### **Seminars/workshops Attended:**

1. HEC Conference on “Major Environmental Constraints On Plants And Their Strategies 2016” Organized by Department of Botany, G. C University, Faisalabad, Pakistan
2. International symposium “Establishment of Vegetables Garden with Organic Fertilizers 2017” Organized by Department of Botany, G. C University, Faisalabad, Pakistan
3. 2<sup>nd</sup> International conference on “Water Saving and Plant Production Strategies; Constraints and Implications For Sustainable Agriculture 2019” Organized by Department of Botany, G. C University, Faisalabad, Pakistan
4. Four Weeks Induction Training By Directorate Of Staff Development 27 July to 23 August 2015
5. Early childhood Education (ECE) Training By UNICEF, held on 26-30 August 2015
6. Professional Development Trainings By DSD
7. Professional Training at Beaconhouse School System 01, September 2014
8. Rescue 1122 Three day training 12-14 Aug 2015
9. Induction Training of Assistant Education Officers (8 weeks) at Quaid E Azam Educational Academy Kamalia 3 March to 30 April 2018
10. Advancement in Biology Education at School Level Under HEC
11. PREE Training by Quality Enhancement Cell, Baba Guru Nanak University
12. International Conference on Applied Sciences and Technology (ICAST-2024), Baba Guru Nanak University Nankana Sahib, October 24-25, 2024
13. Advancement in Food Technology: Bridging Innovation with a Sustainable Future, African-Asian Rural Development Organization (AARDO), New Delhi, India; Malaysian Agricultural Research and Development Institute (MARDI) Selangor, Malaysia
14. Nutraceuticals as Functional Food, Dr Sultan Ahmad Botanical Society, GC University Lahore, Dated 19<sup>th</sup> April, 2023.
15. Impact of Urban Green Spaces on Human’s Well-Being, Dr Sultan Ahmad Botanical Society, GC University Lahore, Dated 17<sup>th</sup> April, 2023.
16. Green Synthesis, Dr Sultan Ahmad Botanical Society, GC University Lahore, Dated 14<sup>th</sup> April, 2023.

17. Postcards Production Using Life-forms, Dr Sultan Ahmad Botanical Society, GC University Lahore, Dated 14<sup>th</sup> April, 2023.

### **Teaching Experience**

Lecturer Biology, Universal College Pensra, Faisalabad 2013-14.  
Tutor Biology, Beaconhouse School System, Faisalabad. 2014-2015  
Elementary School Educator, School Education Department, Government of Punjab  
Assistant Education Officer, School Education Department, Government of Punjab  
2017-2024  
Lecturer Botany, Department of Botany, Baba Guru Nanak University Pakistan 24-07-2024 to date

### **Thesis Research:**

1. **M.Adeel Ghafar.** 2014. Morpho-anatomical features of genus *Carex* from Salt Range of Pakistan . Department of Botany. **M.sc** Thesis, University of Agriculture, Faisalabad-Pakistan.
2. **M.Adeel Ghafar.** 2016. Influence of exogenous applications of thiamin on white clover (*Trifolium repens* L.) under water deficit conditions. Department of Botany. **M.Phil** Thesis, G. C. University, Faisalabad-Pakistan.
3. **M.Adeel Ghafar.** 2023. Exploration of Some Rangeland Halophytic Species as Forage For Saline and Drought Prone Regions of Pakistan. Department of Botany. **Ph.D** Thesis, G. C. University, Faisalabad-Pakistan.

### **Conference Paper**

#### **WSPPS-135**

1. Muhammad Adeel Ghafar & Nudrat Aisha Akram. 2019. Oxidative defense potential of some rangeland halophytic species under high saline conditions from Salt Range Pakistan. *Water Saving and Plant Production Strategies; Constraints and Implications For Sustainable Agriculture.* 95-96.
2. Muhammad Adeel Ghafar. 2024. Amelioration of Salinity Imposed Constraints on *Pisum Sativum* and Upregulation of Defensive Metabolites by Using Nanoparticles and Ascorbic Acid. International Conference on Applied Sciences and Technology (ICAST-2024), Baba Guru Nanak University Nankana Sahib. 12-13.

### **Article Published**

1. Pirasteh-Anosheh, H., Ranjbar, G., Akram, N. A., Ghafar, M. A., & Panico, A. (2023). Forage potential of several halophytic species grown on saline soil in arid environments. *Environmental Research*, 219, 114954.
2. GHAFAR, M. A., AKRAM, N. A., GUL, B., & PIRASTEH-ANOSHEH, H. A. D. I. (2022). Physio-biochemical analyses of selected halophytes from the saline regions of Pakistan and their potential for biosaline agriculture in arid environments. *Pak. J. Bot.*, 54(5), 1697-1706.

3. Ghafar, M. A., Akram, N. A., Saleem, M. H., Wang, J., Wijaya, L., & Alyemeni, M. N. (2021). Ecotypic morphological and physio-biochemical responses of two differentially adapted forage grasses, *Cenchrus ciliaris* L. and *Cyperus arenarius* Retz. to drought stress. *Sustainability*, 13(14), 8069.
4. Mahmood, S., Niazi, H., Bashir, R., Ashraf, A., Ghafar, M. A., Munawar, M., & Rasool, M. H. (2021). Phenolic Profiling And Antibacterial Potential Of Yeast Treated Chili (*Capsicum annuum* L.) Against Pathogenic Strains of Staphylococcus aureus and E. Coli. *FEB-FRESENIUS ENVIRONMENTAL BULLETIN*, 12868.
5. Ghafar, M. A., Akram, N. A., Ashraf, M., ASHRAF, Y., & Sadiq, M. (2019). Thiamin-induced variations in oxidative defense processes in white clover (*Trifolium repens* L.) under water deficit stress. *Turkish Journal of Botany*, 43(1), 58-66.