

Sumbul Ali

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Academic Qualification

Degree/Course	Session	Division	Board/University
M. Phil Biotechnology	2015-2017	1 st	University of Agriculture, Fsd
BSc. (Hons) Agriculture	2011-2015	1 st	University of Agriculture, Fsd
F.Sc (Pre-Medicine)	2008-2010	1 st	Faisalabad
Matriculation (Science)	2006-2008	1 st	Faisalabad

Professional Education:

Degree	Session	Division	Board/University
B. Ed	2015-2016	1 st	University of Agriculture, Fsd

Major subjects studied in BSc. (hons) and M.Phil

Molecular genetics
Genetic Engineering
Techniques and Application of Biotechnology
Transgenic Plants
Molecular System Biology
Recent advances in Biotechnology
Molecular Genetics
Seed Molecular Biology
Nano-Biotechnology in Agriculture
Biosafety, Bioethics and Risk assessment
Cytogenetics
Recombinant DNA Technology
Molecular Cell Biology
Plant Cell Tissue and Organ Culture
Plant Molecular Physiology
Plant transformation
Horticulture Crop Production
Field Crop Production
Crop Physiology
Agriculture Extension
Food Processing and Preservation

Major Techniques/Instrumental Skills Learnt

- DNA extraction
 - Plasmid Isolation
 - Gel Electrophoresis
 - Transformation of Plasmids
 - Endonuclease Restriction Analysis
 - Isolation and culturing of microorganisms
 - Preparation of bacterial competent cells
 - Basic Biotechnology Lab skills: Microscopy, Incubation Gel documentation, Laminar Flow, Autoclaving
 - Tissue Culture
 - In planta Transformation Techniques
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Computer skills

- Microsoft word
 - Microsoft Powerpoint
 - Popgen, Past, Primer3, Multiple Sequence Alignment, Blast, Expasy, Restriction Mapper
 - NCBI browsing
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Experience

- **November 2015- December 2015: PINUM Cancer Hospital, Faisalabad**
Completed 4 weeks internship in Enzyme Linked Immunosorbant Assay (ELISA), Polymerase Chain Reaction (PCR), Radioimmunoassay (RIA) and Clinical Labs
 - **April 2015- June 2015: Ayub Agriculture Research Institute**
Successfully completed 3 months internship under the project “**Improvement of Chickpea productivity through identification of drought tolerant and disease resistant Chickpea genotype for marginal lands**”
 - **February 2018- Continued:** Lecturer of Biotechnology at Akhuwat Faisalabad Institute of Research Science and Technology, Faisalabad.
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Workshops

- One Day Training Workshop on **World Kitchen Garden Day** on August 24, 2014 organized by Agri-Tourism Development of Pakistan
- One day workshop on **Scientific Writing And Plagiarism** on 28-5-2013 held at University of Agriculture, Faisalabad
- Training Workshop on **Communication Skills** on June 24, 2014 organized by Career Development Centre, University of Agriculture, Faisalabad

- Training workshop on **Conservation and Ethno-botanical Uses of High Valued Medicinal Plants** conducted under the project “Conservation and Sustainable use of High Valued Medicinal Plants and Promotion of Indigenous Knowledge organized by Pakistan Forest Institute, Peshawar on 28-30 March, 2015
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Seminars Attended

- International Symposium on Molecular Forensics: Emerging Trends organized by University of Health Sciences, Lahore on May 29, 2014
 - One day seminar on Career Counseling organized by Quiz Club University of Agriculture, Faisalabad
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Publications:

- **Ali S.,** Majeed S., Advancement of Bio inks in three Dimensional Bioprinting, Biomedical Journal of Scientific & Technical Research, Biomedical Research 11(4), pp 1-4, (2018). DOI: 10.26717/BJSTR.2018.11.002129
- Hameed, A., Mehmood, M. A., Shahid, M., Fatma, S., Khan, A., & **Ali, S.** (2019). Prospects for potato genome editing to engineer resistance against viruses and cold-induced sweetening. GM crops & food, 1-21. doi:10.1080/21645698.2019.1631115

Memberships and Participations

- Participated in “Genius of UAF” quiz competition organized by Quiz club UAF
 - Participated in “Geography Quiz” competition organized by Quiz club UAF
 - Participated in “Painting Competition” organized by Horticulture Society UAF
 - Member of Quiz Club University of Agriculture, Faisalabad
 - Member of Agrihunt; a prestigious NGO working for agriculture development and a hub of agriculture knowledge
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Awards

- Won UAF Merit Scholarship in M.Phil (2015)
 - Mushroom Cooking Master Award from Agri-Tourism Development Corporation Pakistan
 - Received merit-based Laptop Award from Chief Minister Punjab.(2012)
 - Received merit based Laptop Award from Prime Minister Youth Initiative Scheme (2015)
 - Awarded 2nd prize for the Rangoli competition held in University of Agriculture, Faisalabad.
 - 3rd position in 400 m race at Divisional public School and College ,Faisalabad
 - Best Prefect Award from Laboratory GirlsHighSchool UAF for the year 2008 .
 - 3rd position in Debate competition at Bazm-e-gul Pakistan
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Personal Profile

- Date of Birth 27-10-1992
 - Father's Name Safdar Ali
 - Marital Status Single
 - Domicile Faisalabad
 - Religion Islam
 - NIC number 33102-5910686-6
 - Permanent Address 150-B, Ghulam Muhammad Abad,
Faisalabad, Pakistan
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