

ARFA TANVEER

Research Assistant/ Ph.D Student at CAS-AFS, University of Agriculture,
Faisalabad, Pakistan

Cell # +92-322-1337762

Email: arfatanveer.456@gmail.com

Home Address: 220 RB JaaJ Wala Muhala Habib Town, Jhang road, Faisalabad,
Pakistan

HANDS ON EXPERIENCE LABORATORY AND MOLECULAR BIOLOGY TECHNIQUES

- Plant tissue culturing
- Plant transformation through *Agrobacterium tumefaciens*
- Gene cloning, plasmid isolation and bacterial transformation
- Golden Gateway cloning
- DNA and RNA extractions
- cDNA synthesis
- Gene amplifications by Polymerase Chain Reaction (PCR)
- Gel electrophoresis, gel extraction
- Sanger sequencing confirmation of transformed plants

COMPUTER SKILLS LEARNED

- Genome wide association studies of different gene families
- Efficient use of sequence analysis databases (NCBI etc)
- Efficient use of MEGAX, EXPASY, CLUSTAL omega, iTOOL etc for genome analysis
- MS Office (Word, power Point, Excel, Publisher)

ACADEMIC QUALIFICATION

2021- Continue **P.hD** Biotechnology

University of Agriculture, (UAF), Faisalabad, Pakistan

2021 **M. Phil.** Biotechnology

University of Agriculture, (UAF), Faisalabad, Pakistan

Title of thesis: “Development and characterization of phosphinothricin resistant transgenic tobacco plant by *Agrobacterium tumefaciens*”.

- 2015-19 **B.Sc. HONS Agri.Sci (Biotechnology)**, University of Agriculture, (UAF), Faisalabad, Pakistan.
1st Division
- 2012-14 **F.Sc.** Biology, Physics, Chemistry.
Board of Intermediate and Secondary Education, Faisalabad, Pakistan
1st Division
- 2010-12 **S.S.C.** Mathematics, Biology, Physics, Chemistry.
Board of Intermediate and Secondary Education, Faisalabad, Pakistan
1st Division

WORK/ RESEARCH EXPERIENCE

- Undergraduate Internship ORI (Oilseed Research Institute) of AARI (Ayub Agricultural Research Institute)
I w o r k e d w i t h research scientists o n t h e Assessment of Genetic Diversity Among Sunflower Inbred Lines for the Development of Recombinants having Better Achene Yield and Oil Quality”
- May, 2024 – till now Research Assistant, Plant Transformation Lab, Center of Advanced Studies, Agriculture and Food Security, University Of Agriculture, Faisalabad in the collaborative project with PCSIR on “genome editing of biological agents for nutritional biochemical and therapeutical purpose”

SCHOLARSHIPS/AWARDS

- Delivered an informative seminar on “The importance of flavor savor tomato for sustainable Agriculture” in the center of agriculture biochemistry and biotechnology, University of Agriculture, Faisalabad
- Performed 3 month internship in “Plant Breeding and Genetics of Oil Seed Crops” in Ayub Agriculture Research Institute, Faisalabad.
- Participated in a workshop on “resume writing and software skill development” in the University of Agriculture, Faisalabad.
- Participate as an member organizer in hands on training of “CRISPR Cas- mediated genome editing technique”

PUBLICATIONS

- Arfa Tanveer, Sadam Munawar, Aqsa Parvaiz, Ghulam Mustafa, Muhammad Sarwar Khan, Faiz Ahmad Joyia

(2021) Engineered herbicide resistance: Innovative solution of ancient problem. Presented in 10th International Molecular Biology and Biotechnology Congress Turkey 4-8, October 2021.

- Hafsa Abid, Arfa Tanveer, Sadam Munawar, Aqsa Parvaiz, Ghulam Mustafa, Muhammad Sarwar Khan, Faiz Ahmad Joyia (2021) Development and characterization of hybrid proteins for plant insect-pest control using computational tools. Presented in 2nd International Congress of The Turkish Journal of Agriculture Food Science and Technology 25-29 October 2021.

REFERENCES

DR. IQRAR AHMAD RANA

Associate Professor,
Center of Agricultural Biochemistry and Biotechnology
(CABB), University of Agriculture, Faisalabad, CAS-AFS
Phone: +92 -333-6627846
Email: iqrar_rana@uaf.edu.pk

DR. SULTAN HABIBULLAH KHAN

Professor,
Center of Agricultural Biochemistry and Biotechnology
(CABB), University of Agriculture, Faisalabad, CAS-AFS
Phone: +92 -333-6627846
Email: sultan@uaf.edu.pk

DR. Rana Muhammad Atif

Associate Professor
(PBG) Department of Plant Breeding and Genetics
Phone: +92-320-5501174
Email: dratif@uaf.edu.pk