

Curriculum Vitae

Personal Information

Full Name: Farheen Jabeen (Ph.D.)
Academic Position: Doctor of Philosophy in Genetics
Affiliation: Department of Genetics, University of Karachi, Main University Road, Karachi-75270, Sindh, Pakistan
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Research Field

Currently, I am working on molecular biology, nanotechnology and as well as cytogenetics in the field of herbal/organic skin care, especially Hyperpigmentation and skin cancer

Research Projects

AOB blood grouping and its effect in paternity test
Mono and di-zygotic Twin study and their inheritance

Education

PhD (2013-2019) 1st Division

Genetics, University of Karachi, Karachi, Pakistan

Thesis Title: Alleviation of salt stress through exogenous application of heat shock & phytohormones on various mung bean genotypes

Supervisor: Associate Prof. Dr. Simeen Mansoor

MSc (2007-2008) 1st Division

Genetics, University of Karachi, Karachi, Pakistan

Thesis Title: Genetic diversity in local and durum bread wheat varieties

Supervisor: Prof. Dr. Farzana Nasir Naqvi

Honor & Awards

- The four weeks training on Advance Effective Teaching and Research by National Faculty Development Programme-2020, Higher Education Commission, Pakistan, **From** 2020-Sept-11th **To** 2020-October-13th.
- First class first position in MS, Department of Genetics, University of Karachi, **From** 2013-July-16th **To** 2014-July-30th.

- Presented best poster in category of “Biological Science” in the 4th International Conference on Environmental Horizon, held in ICCBS, University of Karachi, Pakistan, **From** 2016-Jan-08th **To** 2016-Jan-10th.
- Awarded Laptop by Prime Minister’s Laptop Scheme on 2014-Dec-12th.
- Won Higher Education Commission (HEC) Meritorious Scholarship for MSc program, Karachi, Pakistan, **From** 2007-Jan-1st **To** 2008-Dec-31st.
- First class first position in English language during 2008 from Anglophile English Learning Center, NIPA, and Karachi, **From** 2008-Feb-1st **To** 2008-July-1st.
- First class first position in Cooking and Baking from World Memon Foundation Community Center Trust, Hussainabad, F.B. Area, and Karachi, **From** 2003-Oct-1st **To** 2003-Dec-31st.
- First class first position in Cosmetic management in Sind province from Technical Board, Skill Development Council, Gulshan-e-Iqbal, Karachi, Pakistan, **From** 2003-April-1st **To** 2003-Sept-30th.

Research/Teaching Interest

Nanotechnology, Nano-Herbal medicine, Stress physiology, Molecular Genetics, Gene manipulation, Pharmacogenetics, Chinses medicine, Behavior genetics of human, Human skin disease, Drug administration, Dermatology

Publications

- Iqbal M.Z., **Farheen J*** (under review). Multifunctional nanostructures for cancer theranostics applications.
- **Farheen J***, Mansoor S. (under review). Investigation of green gram (*Vigna radiata*) DNA alteration induced by salinity and salicylic acid through RAPD.
- **Farheen J***, Mansoor S., Abid M. (under review). Genotoxic appraisal of some widely used food pigments on onion (*Allium cepa*) root tips.
- Mansoor S., **Farheen J***, Hassan M. (under review). Protagonist action of plant growth regulators and sublethal-temperature in inducing thermotolerance in green gram (*Vigna radiata*) seedlings.
- Hani U., Mansoor S*, Hassan M., and **Farheen J.** (2020). Genotoxicity of heavy metals on mungbean (*Vigna radiata*) seedlings and its alleviation by priming with their lower concentrations. Cytologia 85(3): 239–244.
- **Farheen J***, Naqvi F.N. (2020). Assessment of high yielded local Pakistani bread wheat genotypes for improved chapati making quality. Pak J Bot 5(3): 1–8.

- **Farheen J***, Mansoor S. (2020). Morpho-biochemical responses of *Vigna radiata* to salinity generated hydrogen peroxide stress. *Pak J Bot* 52(4): 1131–1135.
- **Farheen J***, Mansoor S. (2020). Anti-stress phytohormones impact on proteome profile of green gram (*Vigna radiata* L.) under salt toxicity. *World J Biol Biotechnol* 5(2): 17–21.
- **Farheen J***, Mansoor S. (2019). Cytogenetic impact of sodium chloride stress on root cells of *Vigna radiata* L. seedlings. *Turk J Biochem* 45(2): Article ID 20180352. <https://doi.org/10.1515/tjb-2018-0352>
- **Farheen J***, Mansoor S., Abideen Z. (2018). Exogenously applied salicylic acid improved growth, photosynthetic pigments and oxidative stability in mungbean seedlings (*Vigna radiata*) at salt stress. *Pak J Bot* 50(3): 901–912.

Conferences

- *National Conference on Genes, Genomics, Genetics & Diversity (G3D)*, Department of Genetics, University of Karachi, Pakistan, **From 2019-Dec-18th To 2019-Dec-19th**
- *1st International Conference on Innovation in Material Science & Nanotechnology*, Department of Physics, Lahore Garrison University, Lahore, Pakistan, **From 2018-Dec-18th To 2018-Dec-19th**
- *14th Eurasia Conference on Chemical Sciences (EuAsC₂S-14)*, ICCBS, University of Karachi, Karachi-75270, Pakistan, **From 2016-Dec-15th To 2016-Dec-18th**
- *4th International Conference on Environmental Horizon*, Department of Chemistry & ICCBS, University of Karachi, Karachi, Pakistan, **From 2016-Jan-8th To 2016-Jan-10th**

Workshops and Seminars/Webinars

- Webinar on *CRISPR/Cas-Enabled Plant Genome Editing and Precision Breeding*, Dr. A.Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Pakistan, 2020-Dec-18th
- Training session on *5 Tips for Getting Published: Maximize Your Chances to Get Your Paper Accepted in Academic Journals!*, ProQuest in partnership with Higher Education Commission (HEC), Pakistan, 2020-Oct-27th
- Training session on *How to Manage Your Reference Using RefWorks*, ProQuest in partnership with Higher Education Commission (HEC), Pakistan, 2020-Oct-26th
- Training session on *Strengthening Research Planning using Elsevier Tools-Scopus, ScienceDirect & Mendeley*, Elsevier, South Asia, 2020-Oct-22nd
- Training workshop on *Making Natural Skincare Products II*, Pakistan Institute of Management, Karachi, 2019-Nov-2nd

- Training workshop on *DNA Sequencing*, National Institute of Blood Diseases & Bone Marrow Transplantation (NIBD), Karachi, Pakistan, **From** 2018-Sept-28th **To** 2018-Sept-29th
- *Training workshop on Research Tools & Techniques of SPSS*, Reginal office of Pakistan Scientific and Technological Information Center (PASTIC), Karachi, Pakistan, **From** 2017-May-2nd **To** 2017-May-4th
- *Science and Society-Science Communication and Public Engagement*, LEJ National Science Information Center, International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, Karachi, Pakistan, Oct 19th, 2016
- *Effective Classroom Management Techniques*, Commecs College, Jauhar Campus, Block 13, Gulistan-e-Jauhar, Karachi, Pakistan, 2016-Feb 27th
- *Biosafety Training Workshop for Young Scientists*, Arts Auditorium, University of Karachi, Karachi-75270, Pakistan, 2015-Nov-3rd
- *The use of excel Macros and Microsoft Tools for Data Handling and Performing Complex Data Analysis, involving a wide range of software*, Dr. Abdul Qadeer Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi-75270, Pakistan, **From** 2014-April-18th **To** 2014-April-19th
- *Organ and tissue transplanting in various species*, Department of Genetics, University of Karachi, Karachi-75270, Pakistan, 2007-March-11th

Teaching Skills

- Teaching Molecular genetics, Cytogenetics, Research techniques, Plant breeding, Advance plant breeding, Human genetics, Biostatistics, Advance Biostatistics, Experimental design, and Cellular physiology & biochemistry for MSc students in the **Department of Genetics, University of Karachi, Karachi-75270, Pakistan**, from 2017-02-21st to 2019-12-31st
- Teaching Biology for matric and inter students in Apex Coaching Center, Block 14, Gulistan-e-Jauhar, Karachi, Pakistan, from 2017-01-01st to 2017-12-31st
- Teaching biology and chemistry for Matric students in The Educator (A project of the Beaconhouse School System), Senior Campus, Block 16, Gulistan-e-Jauhar, Karachi, Pakistan, from 2016-01-29th to 2016-12-30th

Languages

English (Fluent)

Urdu (Native)

Sindhi

References

Dr. Simeen Mansoor

Academic Position: Associate Professor

Affiliation: Department of Genetics, University of Karachi, University Road, Karachi-75270, Pakistan

Mail Address: simeemn@uok.edu.pk

Dr. Muhammad Zubair Iqbal

Academic Position: Associate Professor

Affiliation: School of Materials Science and Engineering, Zhejiang Sci-Tech University, Hangzhou, 310018 P. R. China

Mail Address: zubair@zstu.edu.cn

Dr. Afsheen Arif

Academic Position: Assistant Professor

Affiliation: Dr. A.Q. Khan Institute of Biotechnology and Genetic Engineering, University of Karachi, University Road, Karachi-75270, Pakistan

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