

NAYAB SOOMRO (M.PHIL)

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TECHNICAL SKILLS

- Command on laboratory procedures & Instrumentations.
- Whole exome Sequencing data & Sanger sequencing Data analysis and interpretations.

SPECIAL SKILLS

- Excellent knowledge in field of Genetics, Polymorphisms, and Genetic council.
- Excellent written, formatting, and interpersonal skills.
- Strong analytical & reporting skills.
- Capacity to absorb pressure
- Excellent performance in Teamwork as well as individually.

EDUCATION (ACADEMIC)



**Dow University of Health Sciences,
Karachi.**

**M.Phil. (Medical Genetics)
Year of completion (2022)**

C.G.P.A

2.72/4



University of Sindh, Jamshoro.

**BS (Genetics)
Year of completion (2015)**

C.G.P.A

3.47/4

RESEARCH WORK EXPERIENCE

- Worked As **Trainee** In Fly Lab And Stock Centre, Dow College Of Biotechnology, Dow University Of Health Sciences.

Duration: 01/11/2023 to 31/05/2024

- Worked as **Research Assistant** at Dow Research Institute of Biotechnology and Biomedical Sciences (DRIBBS), Dow University of Health Sciences.

Duration: 01/09/2022 to 31/08/2023

- Worked as **Clinical Research Associate/ Genetic Counselor** at National Institute of Blood Disease and Bone Marrow Transplantation.

Duration: 09/04/2019 to 08/07/2020

THESIS DETAILS

M.phil (Medical Genetics)

(Under the Supervision of Dr. Mohsin Wahid)

- **Identification of DNA polymorphisms at specific site loci in β -thalassemia and compound heterozygote of Sickle / β - thalassemia patients**

BS (Genetics)

(Under the Supervision of Prof. Syed Habib Ahmed Naqvi)

- **Characterization of amylase enzyme secreted by *Pleurotus Eryngii*.**

PROJECTS & REPORTS

- **ASSESSING THE FUNCTIONAL EFFECT OF JQG ON DROSOPHILA MELANOGESTER (2024).**
- **INVESTIGATING THE EFFECT OF OXALIS CORNICULATA AND ETHANOL ON DROSOPHILA MELANOGESTER (2024).**
- **WHOLE EXOME SEQUENCING FOR IDENTIFICATION OF SMALL MUTATIONS AND DERIVATION OF MUTATION SPECIFIC INDUCED PLURIPOTENT STEM**

CELLS FROM DUCHENNE MUSCULAR DYSTROPHY PATIENTS (2022).

- **EFFECT OF CASE REPORTS OF BONE MARROW TRANSPLANT PATIENTS (2020).**
- **OUTCOME OF HEMATOPOIETIC STEM CELL TRANSPLANT FOR SEVERE APLASTIC ANEMIA IN PAKISTAN; DATA FROM A DEVELOPING COUNTRY (2019).**
- **DIFFERENT CONCENTRATIONS OF ETHIDIUM BROMIDE ON PHENOTYPIC AND BIOCHEMICAL PARAMETERS OF SUNFLOWER (COMPARATIVE STUDY BETWEEN IN-VIVO AND IN-VITRO CONDITIONS)(2014).**

CERTIFICATIONS AND WORKSHOPS

- Four days training workshop **on INTERNATIONAL SYMPOSIUM-CUM-TRAINING COURSE ON MOLECULAR MEDICINE AND DRUG RESEARCH (MMDR-9)** at Dr. Panjwani Center, ICCBS, 24-Karachi niversity 24-27, 2025.
- Five days training in **20th National Training Course On Modern Techniques** in biotechnology at national institute of biotechnology and genetic engineering **NIBGE-NTC-MTECH/2024**
- One Month Course On **Artificial Intelligence And Python For Basic Image Processing**, Dow College Of Biotechnology, Dow University Of Health Sciences
- Workshop **On Practical Guide To Medical Genetics: A Hybrid Educational Symposium**, Agha Khan University.
- Workshop On **Foundation Of Data Sciences**, Dow College Of Biotechnology, Dow University Of Health Sciences
- Short Course on **Genomic Medicine** from Muhammad Ali Jinnah University.
- Hands on workshop on **Next Generation Sequencing** in Dow University of Health Sciences.
- Workshop on **Protocol Writing** in National Institute of Blood Diseases and Bone Marrow Transplantation.
- Hands on workshop on **Pipette Clinic** in Dow University of Health Sciences.

COMPUTER AND SOFTWARE SKILLS

- **Scientific software**
Spss
Endnote
CLC Genomics
BioEdit
Graphpad Prism
- **Microsoft Office**
Microsoft Word
Microsoft Excel
Microsoft PowerPoint

COMMUNICATION SKILLS

English, Urdu, Sindhi.

PUBLICATIONS

S.No.	Authors	Title	Journal	Impact Factor
1	Nayab Soomro ¹ Mohsin Wahid ^{1,2,*} Mehreen Mehmood ² , Syed Hasan Danish ³	Responses of β thalassemia and compound heterozygote of Sickie/ β thalassemia of BCL11A Gene Polymorphism in Pakistani Patients." (Ref#22-971(OJS-7183))	Pakistan Journal Of Medical Sciences https://www.pjms.org.pk/	2.340
