

SHOAIB SHAFIQUE



Chak No.19/E.B
Arifwala Tehsil Arifwala
District Pakpattan
Punjab Pakistan

Objectives

I am keen to embark on a career where I can serve the humanity and can earn a name, respectable and moreover valuable. Qualified for a challenging and decision making assignments.

Personal information

Father's Name: Muhammad Shafique
I. D. Card No: 36401-9638181-5
Date of Birth: 12-12-1999
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Marital Status: Single
Domicile: District Pakpattan
Nationality: Pakistani
Religion: Islam

Academic Profile

Year	Degree	Major subjects	University/Board	Marks /CGPA	Division
2021	MS Biotechnology	Drug Designing, GM Foods and Medicines, Renewable energy resources	School of Biochemistry and Biotechnology, University of the Punjab Lahore	continue	
2021	B.Sc(Hons) Biotechnology	Biotechnology, biochemistry, Molecular biology	University of Health Sciences Lahore	3.79/4	1st
2016	Intermediate F.Sc(Premedical)	Physics, Chemistry, Biology	Board of intermediate and secondary education, Sahiwal	755/1100	1st
2014	Matric	Physics, Chemistry, Biology	Board of intermediate and secondary education, Sahiwal	856/1100	1st

B.Sc(Hons) Biotechnology Research Thesis

Genetic Variations and Phylogenetic Relationship among Geological distinct populations Of *Labeo rohita* assessed by RAPD Markers.

Major subjects of B.Sc(Hons) Biotechnology

1. Biotechnology
2. Biological chemistry
3. Molecular Biology
4. Cell Biology and Genetics
5. Biotechnology of Plants and Animals
6. Chemistry
7. Biological Sciences (Plant science and Animal Science)
8. Microbiology and Microbial genetics
9. Genetic Engineering
10. Biochemical Engineering
11. Bioinformatics
12. Food Biotechnology
13. Industrial Biotechnology
14. Environmental Biotechnology
15. Plant Physiology
16. Communication skills
17. Economics
18. Biomathematics and Biostatistics

Experience

- ❖ Invigilator at British council Pakistan Exams from January 2022 (VS ID: P8244)
- ❖ Invigilator at Punjab Education Foundation from 2020 (Invigilator ID: 51553)
- ❖ As a research scholar at FIRST Faisalabad from 2020-2021

Publications

- ❖ Advances in Transgenic Technology for Crop Cultivation and Stomatal Regulation as Potent Role in Agriculture Muhammad Ehsan Haider , Muhstaq Hussain , Sikandar Ali , Muhammad Riaz , Nasir Hussain , Muhammad Saleem* , Shoaib Shafique , Saifullah Published: 11-09-2021 DOI: 10.36348/sjib.2021.v04i08.001

Technical skills

Molecular Biology/Biotechnology Techniques

- ❖ DNA Extraction by different methods(Salt method/Phenol chloroform isoamyl method/CTAB method)
- ❖ Gel Electrophoresis
- ❖ spectrophotometer
- ❖ Primer optimization and PCR Troubleshooting
- ❖ RAPD PCR
- ❖ Gel Documentation apparatus

Microbiology Techniques

- ❖ Media preparation and culturing on different media
- ❖ Microbial identification by staining using Light Microscope
- ❖ Microbial identification by biochemical tests
- ❖ Molecular identification(16SRNA) PCR
- ❖ Multiplex PCR for Gene identification
- ❖ Antimicrobial resistance test(Disk diffusion method)
- ❖ Biofilm study
- ❖ Sequencing results interpretation

General Lab Techniques

- ❖ Centrifugation
- ❖ Incubation
- ❖ Sterilization of equipment's (Autoclave/sonication/chemical treatment)

Bioinformatics Techniques

- ❖ Primer Designing(Manual / Automated)
- ❖ Primer Blast
- ❖ In Silico PCR
- ❖ Phylogenetic tree construction (MEGA 10/x)

Achievements

- ❖ Solar Lamp from Chief Minister Ujala Program (CMUP)
- ❖ Punjab Education Endowment Fund (PEEF) merit Based scholarship
- ❖ Scholarship at Faisalabad Institute of Research Science and Technology, Faisalabad
- ❖ Got 1st position in Annual Science Exhibition and Recent Trends in Biotechnology organized by Faisalabad institute of Research Science and Technology, Faisalabad.

Other online short courses and certifications

- ❖ **Introduction to Molecular and Cellular Biology** by online Saylor Academy (Saylor academy.org)
- ❖ **Pandemic Influenza Vaccines: National Deployment and Vaccination Plan** by **World Health Organization.**
- ❖ **Covid-19: Tackling the Novel Coronavirus** under Platform of Future Learn by London School of Hygiene & Tropical Medicine and UK Public Health Rapid Support Team.
- ❖ **Let's Break the Chain of Covid-19 Infection** under Community Immunity Ambassador Program by Mohammad Bin Rashid University of Medicine and Health Sciences UAE.
- ❖ Digi skills training certificate in **Freelancing** under virtual university of Pakistan.
- ❖ Digi skills training certificate in **Digital marketing** under virtual university of Pakistan.
- ‡ Digi skills training certificate in **E-Commerce Management** under virtual university of Pakistan.
- ❖ Digi skills training certificate in **Creative Writing** under virtual university of Pakistan.

Computing skill

- ❖ Microsoft office (MS Word, MS Excel, MS Power Point)
- ❖ Internet Browsing
- ❖ Email

Languages

- ❖ Urdu
- ❖ English
- ❖ Punjabi

Trainings/workshops

- ❖ Participation in webinar on Biotechnology and Prevailing Pandemic organized by Department of Biotechnology Virtual University of Pakistan.
- ❖ Participation in International Webinar: Genomics and Biotechnology role in COVID19 organized by COMSATS University Islamabad SAHIWAL CAMPUS.
- ❖ Participation in webinar on nutrition interventions to save babies borne too soon organized by Pakistan nutrition and dietetics society.
- ❖ Online Training Course on COVID-19 by University of Health Sciences Lahore.
- ❖ E-Seminar: What is Flow Cytometry?" organized by Pakistan Association of Biotechnologists.
- ❖ E-Seminar: Designing, Troubleshooting, and Applications of PCR Primers organized by Pakistan Association of Biotechnologists.
- ❖ Participation in online workshop on “ Mendeley: Reference Data Management or Research” organized by Pakistan Scientific And Technological Information Centre (PASTIC) Quaid-e-Azam University Campus Islamabad ,Pakistan
- ❖ Participation in webinar on “The Redox regulatory Network of the Cell in the Heart of Metabolic Regulation and Stress Acclimation” organized by Department of botany Government College university Lahore.

References

Research Supervisor

Deputy Director Academics

Assistant Professor

Dr. ASMA AZIZ

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Research Associate/Lecturer

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