**** GHALIA

Email: [ghalia.300363@2freemail.com](mailto:ghalia.300363@2freemail.com)

**Career Objective:**

Seeking for a position where I can enhance my intellectual expertise, with my lively and energetic attitude for the success of organization.

**Academic Credentials:**

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| **2013-2015** | **MS Biotechnology,** Institute of Biochemistry and Biotechnology, Punjab University, Lahore. **(CGPA 3.45/4)** |
| **2009-2013** | **B.Sc. (Hons) Biotechnology,** Kinnaird College for Women, Lahore. **(CGPA 3.47/4)** |
| **2007-2009** | **F.Sc. (Pre-medical)** with first division **(A grade)** |
| **2005-2007** | **Matric (Science)** with first division **(A⁺ grade)** |

**Summary:**

Biotechnologist with substantial laboratory experience, particularly in the field of genomics and phylogenetics. Teaching experience of 4 years as a biologist along with handling science laboratory. Versatile, creative and efficient in project management.

**Career Profile:**

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| Govt. girls High School, Jassar. | **SSE Biology** | May 2015-February 2016  (**9 Months)** |
| Scholars Science Academy, Lahore. | **Biology Teacher (Part-time)** | June 2012-July 2015  **(3 Years)** |
| Institute of Biochemistry and Biotechnology, PU, Lahore. | **Research Student** | September 2014- August 2015  **(1 Year)** |
| Centre of Excellence in Molecular Biology, Lahore | **Research Intern** | July 2012- April 2013  **(10 Months)** |
| Chughtais Lahore Lab | **Lab intern** | June 2011- July 2011  **(6 weeks)** |

**Work Experience:**

**May 2015-February 2016**

Govt. girls High School, Jassar.

**Job Title: SSE Biology**

**Job Role:**

* Biology, Chemistry and English teacher
* Lesson Plan making
* Activity based teaching
* Science Laboratory In charge
* Office work and IT lab maintenance

**June 2012-July 2015**

Scholars Science Academy, Lahore.

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| **Job Title: Biology Teacher (Part-time)** |

**Job Role:**

* Biology Teacher
* Preparation of quizzes and tests along with full book revision which ensured 100% result.

**September 2014- August 2015**

Institute of Biochemistry and Biotechnology, Punjab University, Lahore

**Job Title: Research Student**

Structural and phylogenetic analysis of phosphodiesterase enzyme PDE6A (Thesis Project).

**Objectives:**

* Study the evolution of PDE6A protein among 46 selected species through phylogenetic analysis using MEGA.
* Predict structural annotations e.g. the presence of loops, β-turns, β-strands and α-helix in the alignment using Jalview editor.
* Build a model of PDE6A using MODELLER for structure based drug designing.

**July 2012- April 2013**

Centre of Excellence in Molecular Biology, Lahore

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| **Job Title: Research Intern** |
| Screening of Autosomal Recessive Gene Loci in Pakistani Families With Progressive Night Blindness |

**Responsibilities:**

* Collection of Blood samples from the patients of RP by hospital visits.
* DNA Extraction
* PCR
* Linkage Analysis

**June 2011-July 2011**

Chughtais Lahore Lab

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| **Job Title: Lab intern** |  |
| Worked on rotation in the following departments   * Bio-chemistry * Molecular Biology * Hematology | |

**Technical Expertise and Projects:**

* DNA Extraction and DNA Quantification (Gel Electrophoresis)
* Polymerase Chain Reaction (PCR)
* Linkage Analysis
* Synthesis, conjugation and characterization of magnetic nanoparticles.
* Synthesis and estimation of antimicrobial activity of silver nanoparticles.
* Primer designing and transformation techniques

**Computer Skills:**

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| * Microsoft Word | * Microsoft Power point | * Microsoft Excel |
| * MEGA 6 | * Jalview 2.8.2 | * MODELLER 9.15 |
| * PYMOL 1.7.4 |

**Awards:**

* Awarded with Merit Scholarship worth Rs12,000 in MS
* Awarded with Merit Laptop under Chief Minister Punjab Youth Initiative Scheme in 2012

**Workshops and courses:**

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| * Biosafety training workshop for young scientists | June 06, 2015 |
| * ICGEB course on basic biotechnology techniques | March 07-09 , 2016 |

**Core Strengths:**

* Excellent management skills
* Good speaking, reading and writing skills
* Leadership Qualities
* Inspirational and persuasive
* Strategic planning skills
* Focused, decisive and ethical

**Personal Details:**

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| * Father’s Name: | Shahid Iqbal Butt |
| * Age: | 25 |
| * Religion: | Islam |
| * Sex: | Female |
| * Marital Status: | Single |