**AYESHA**  **Visa Status: Visit Visa till April 30th, 2017**

Ayesha.353601@2freemail.com

**OBJECTIVE:**

 Passionate and disciplined individual seeking a position to work with an organization where I would be able to utilize my skills and hone them to cope up with greater tasks.

**PROFESSIONAL WORK EXPERIENCE:**

**Institute:** Quaid e Azam University, Islamabad

**Tenure:**  July, 2013 April, 2015

**Designation:** Research Assistant

**Responsibilities:**

* To assist research on Genetic Characterization of Quorum Sensing Dependent Bacteria.
* To carry out various instrumental operations (Spectroscopy, Chromatography, Electrophoresis, Centrifugation, PCR)
* Preservation and maintenance of microbial cultures
* Inoculation and streaking of bacteria
* Extraction and analysis of quorum sensing signalling molecules
* Isolation and cloning of genes responsible for acyle homoserine lactose production
* Preparation of technical reports, summaries and quantitative analysis
* Preparation of samples for analysis by various instrumentation

**Institute:** Quaid e Azam University, Islamabad

**Tenure:**  Feb, 2011 Feb-2013

**Designations:** M.Phil researcher

**Responsibilities:**

* Inspecting tissue culture responses of two species of Medicinal Plant (*Hibiscus.rosa-sinensis and H.sabdariffa)*
* Preparation and sterilization of culture media
* Operating instruments such as laminar flow cabinet, Ph meter, autoclave, Electron microscope, SEM
* Culturing of Explant, ovary, pollen and anther.
* Embryo rescuing
* Standardization of explants type and sterilization technology
* Nursery plantation and management
* To work on Contamination Control Systems

**Institute:** Internship at government College for girls

**Tenure:**  Jan, 2013 - June, 2013

**Designations:** Lab Assistant

**Responsibilities:**

* Performing set-up and preparation of procedures as required by professor
* Assisting with preparation for and conducting of experiments
* Preparation and maintaining laboratory equipment prior to and after work
* Making use of standard research techniques and methods
* Providing guidance as required to support staff and students
* Sharing of technical expertise with other members of the Science Department

**Institute:** Leadership Colleges network (LCN)

**Tenure:**  May,2015-Till Date

**Designations:** Senior Lecturer

**Responsibilities:**

* Preparation and delivering lectures at undergraduate level
* Supervising undergraduate research work
* Supervising undergraduate laboratory experiments related to course.
* Developing scholarly abilities among the students also developed the habit of reviewing literature and research articles
* Preparing course outline, syllabus, and weekly plans

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| **DEGREE** | **Major Subjects** | **EXAMINING BODY:** | **YEAR** |
| M.Phil. in Plant Genetics and Genomics | Advanced Molecular Biology, Molecular plant breeding, Advances in plant Taxonomy, soil fertility and fertilizers for crop improvement, Medicinal plants, Gene cloning and DNA analysis, Plant Pathology,Taxonomy of Phenerogames | Quaid e Azam University, Islamabad |  2011-2013 |
| M.Sc. in Plant Sciences | Molecular Biology, Genetics and genomics, Plant physiology, Cellular Biology, Taxonomy, Environmental biology, plant anatomy, plant tissue and cell culture, research techniques and instrumentation, biostatistics and computation, general genetics, principles of biochemistry, plant tissue and cell culture. | Quaid e Azam University, Islamabad | 2009-2011 |
| Bachelor of Sciences  | Botany, Zoology and Phycology | University of Punjab, Lahore | 2006-2008 |
|  Higher Secondary School  | Pre-Medical | B.I.S.E (Federal) | 2003-2005 |

 **ACADEMIC EDUCATION:**

**TRAINING & WORKSHOP:**

**Participated in 12th National and 3rd International conference of botany organized by Pakistan botanical society and Quaid-i-Azam university**

**RESEACH INTEREST:**

Plant tissue culturing, Plant molecular biology, Plant microbiology, Plant breeding

**SKILLS AND COMPETENCIES:**

* Knowledge of all laboratory equipments and materials
* Familiarity with laboratory standards and best practices
* Experience with field research integrity
* Comprehensive Knowledge in plant molecular and genetics
* Strong background of plant Tissue culturing, plant genetics and genomics
* Excellent organizational & inter-personal skills
* motivated to learn new technologies
* Good writing and communication skills
* Excellent capability in search and tidying up
* Good ability in literature review