

# CURRICULUM VITAE

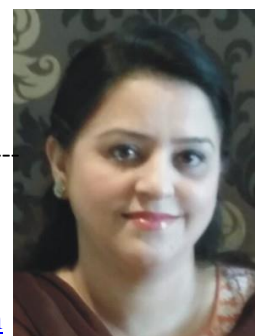
## DR. SHAGUFTA GULRAIZ

**Dubai Contact:** +971 55 48 66 737, +971 50 568 9699

**Pakistan Contact:** +92 308 4323109, +92 300 4631855,

**Email:** [shaguftagulraiz@hotmail.com](mailto:shaguftagulraiz@hotmail.com), [iftikharak1@gmail.com](mailto:iftikharak1@gmail.com)

**Marital Status:** Married, **Date of Birth:** 23<sup>rd</sup> February 1979



**Objective:** *To obtain a position offering challenging responsibilities and unwavering commitments to the organizational growth and advancement.*

### EDUCATIONAL QUALIFICATION

Degree	Session/ Passing year	Subject	Examination system	Marks/Div./ CGPA	Board/ University
PhD	2014	Biochemistry	Semester	3.85	University of Veterinary and Animal Sciences, Lahore
M.Phil	2002-2004	Chemistry	Annual	3.38	Government College University, Lahore.
M.Sc	2000-2002	Chemistry	Annual	3.85	Government College University, Lahore.
Bachelor-2 Years	1998-2000	Chemistry Zoology Botany	Annual	482/800, 1 <sup>st</sup> Div.	University of Punjab

### SUGGESTED TITLE OF COURSES TO TEACH

- Advance biochemical techniques
- Biochemistry of Vitamins and minerals
- Biochemistry of blood immunology
- Industrial Biotechnology
- Molecular Biology
- Metabolism of carbohydrates, proteins, Lipids& nucleotides
- Advanced organic chemistry
- pharmaceutical chemistry
- Advanced organic spectroscopy
- Advanced analytical chemistry
- Advanced applied chemistry
- Environmental chemistry

### WORK EXPERIENCE

- **Govt. Fatima Jinnah College - Lahore, Pakistan.** *2008 till Date*  
Currently working as Lecturer (BS-17) in Chemistry & Biochemistry Dept. (BOGs contract).

## **DUTIES:**

1. Involved in teaching graduate classes Organic Chemistry and Biochemistry.
  2. Conducting practical Labs of Organic Chemistry and Biochemistry.
  3. Member of exams stationary
  4. Member of Library books purchase
  5. Member of anti-dengue committee.
  6. Exams tabulation duties of F.Sc & B.Sc results.
- **Govt. Ayesha Degree College for Women – Lahore, Pakistan**  
*1<sup>st</sup> September, 2005 till 31<sup>st</sup> May, 2006*  
Worked as Lecturer in chemistry (Honorary Basis).  
Duties involved teaching of F.Sc classes.
  - **Orion International Higher Secondary School and Degree College – Lahore Cantt, Pakistan.**  
*1<sup>st</sup> September, 2002 till 30<sup>th</sup> May 2005*  
Worked as Lecturer in chemistry (contract basis).  
Duties involved teaching of F.Sc classes.

## **ARTICLES/PAPERS/ PUBLICATIONS**

- **Shagufta Irshad**, A. S. Hashmi. Published Article in “The News” on 22 June 2014.  
Title: Importance of Lysine in Poultry Industry
- **Shagufta Irshad**, A. S. Hashmi, M. M. Javed, M. E. Babar, A. R. Awan, A. A. Anjum. Accepted Paper for Publication in “Journal of Chemical Society of Pakistan”.  
Titled: Bioconversion of Agricultural By-Products to Lysine by *Brevibacteriumflavum* and Physico-Chemical Optimization for Hyper-production”.  
IF=0.614
- **Shagufta Irshad**, A.S. Hashmi. Accepted in “International Journal of Science and Research”. Titled: “Pilot scale study of physical and kinetic parameters for lysine production by wild and mutant culture of *Brevibacteriumflavum* in 7.5L fully automatic stirred bioreactors” Paper ID: SUB1556. IF= 4.438
- **Shagufta Irshad**, A. S. Hashmi, M. M. Javed, M. E. Babar, A. R. Awan, A. A. Anjum. Accepted Paper for Publication in “The Journal of Animal and Plant Sciences”. Titled: “Mass production and recovery of L- Lysine by microbial fermentation using *Brevibacteriumflavum*”. IF= 0.549
- **Shagufta Irshad**, A. S. Hashmi, M. M. Javed, M. E. Babar, A. R. Awan, A. A. Anjum. Submitted paper for Publication in “The Journal of Animal and Plant Sciences”. Titled “Optimization of physico- chemical parameters for hyper-production of Lysine by mutated strain of *Brevibacteriumflavum*”. Paper ID: Bioch-14-0016. IF= 0.549

## **CONFERENCES/ SEMINARS**

- Presented research paper in “Multi-disciplinary conference” in Govt. Fatima Jinnah College ChunnaMandi Lahore (2013).

- Presented research paper in “International conference of Biochemistry” in University of Agriculture Faisalabad (2014).
- Presented oral presentations in “International conference of Animal Nutrition” in University of Veterinary and Animal Sciences Lahore (2014).
- Presented research paper in “International conference of bio energies” in University of South Asia (2014).

## **SKILLS**

- Research skills especially on fermenter.
- UV spectrophotometer
- HPLC
- Microbial techniques used for fermentation
- GC-MS
- Computer especially Microsoft word, excel, SPSS.

## **RESEARCH EXPERIENCE**

- PhD research experience (3 years) in the completion of project entitled “Bioconversion of agricultural wastes to lysine and its biological evaluation in broiler chicks” (abstract attached).
- M.Phil research experience (one year) in the completion of work entitled “Isolation and characterization of bioactive Flavonoids from *Prunus persica*”(abstract attached).
- M.Sc research experience(one year) in the completion of work entitled “Phytochemical studies on Eucalyptus Species”(abstract attached).

## **RESEARCH INTERESTS**

- Biotechnological production of biomolecules i.e; amino acids, butyric acid, enzymes, toxins.
- Phytochemical studies of flavonoids and extraction of essential oils.
- Characterization on GC/MS and HPLC
- Biochemical and Molecular studies
- Studies of amino acids on amino acid analyzer

## **REFERENCES**

- Dr. Abu Saeed Hashmi, Associate Professor in Institute of Biochemistry & Biotechnology, University of Veterinary and Animal Sciences Lahore.
- Dr. Muhammad Mohsin Javed, Associate Professor, Director of Institute Industrial Biotechnology, Govt. College University Lahore.
- Professor Dr.Aftab Ahmed Anjum, Department of Microbiology, University of Veterinary and Animal Sciences Lahore.
- Dr. Ali Raza Awan, Assistant Professor in Institute of Biochemistry & Biotechnology, University of Veterinary and Animal Sciences Lahore.