

# Curriculum Vitae Europass

## Personal Information

Name and Surname **Jaweria / Riaz**

Address

Telephone

Email

Citizenship

Date of birth

Sex

## Work experience Work experience

### Research Scholar

*Laboratory of Molecular Biology and Laboratory of Systematics and Pest Management at UOG* [20 Sep 2020 – 13 Jun 2021 ]

**City:** Gujrat

**Country:** Pakistan

Performed Rearing of Silkworms (*Bombyx mori*)

Bacterial Culturing and Molecular Identification using Sanger Sequencing method (16S rRNA)

Performance of PCR and Gel Electrophoresis

Antibiotics sensitivity patterns of Bacteria

Learned about NCBI, FASTA, ClustalW, and Phylogenetic trees (Bioinformatics tools)

Insect collection, Identification and Preservation

Provided Training and guidance to juniors

Job or position held

### Teacher at College

*Employer at Aspire Group of Colleges* [ 14 Feb 2022 – 15 Jul 2022 ]

**City:** Wazirabad

**Country:** Pakistan

Main activities and responsibilities

Taught to Associate Degree Programs and F.SC Pre Medical Students

Performed practical work at Biology Laboratory (Including Specimen Dissections)

Performed duty as Admission Officer

**Education and  
training**

**Master of Philosophy in Zoology**

*University of Gujrat, Punjab, Pakistan* [2019 – 2021]

**Address:** Hafiz Hayat Campus Jalal Pur Jattan Gujrat., 50780 Gujrat (Pakistan)

<https://uog.edu.pk/main.php>

**Final grade :** 3.87/4.00

**Thesis Title:** Seasonal Abundance and Associated Bacterial Assemblages of Cockroaches

**Description:** Seasonal abundance and bacterial species associated with the gut of cockroaches were identified in this research project. A total of 2895 specimens were collected that belonged to four species, four genera, and three families. The highest relative abundance was recorded for *Blattella germanica* (51.23%) followed by *Periplaneta americana* (42.69%), *Blatta lateralis* (5.84%), and *Pycnoscelus surinamensis* (0.24%). The results of 16S rRNA gene sequencing of these strains showed close homology to the members of genera i.e. *Staphylococcus*, *Stenotrophomonas*, *Bacillus*, *Escherichia*, *Pseudomonas*, *Klebsiella*, *Cronobacter*, and *Citrobacter*. The highest resistance was measured against Cefixime, Ceftriaxone, and Amoxicillin, while the highest susceptibility was observed against Tetracycline, Azithromycin, Ciprofloxacin, Levofloxacin, and Cefaclor.

**Master of Science in Zoology**

*University of Gujrat, Punjab, Pakistan* [2017 – 2019]

**Address:** Hafiz Hayat Campus Jalal Pur Jattan Gujrat., 50780 Gujrat (Pakistan)

<https://uog.edu.pk/main.php>

**Final grade :** 3.78/4.00

**Bachelor of Education**

*Allama Iqbal Open University, Islamabad* [2020 – 2021]

**Address:** 2 Ashfaq Ahmed Rd, H-8/2 H 8/2 H-8, Islamabad, Islamabad Capital Territory 44000, Islamabad

(Pakistan)

<https://aiou.edu.pk/>

**Bachelor of Science (Zoology, Botany, Chemistry)**

*University of Gujrat, Punjab, Pakistan* [2015 – 2017]

**Address:** Hafiz Hayat Campus Jalal Pur Jattan Gujrat., 50780 Gujrat (Pakistan)

<https://uog.edu.pk/main.php>

**Field(s) of study:** Natural sciences

**Final grade :** 621/800

Zoology/Chemistry/Botany

**Higher Secondary School Certificate (Pre-Medical)**

*Government College for Women, Marghzar Colony, Gujrat* [2012 – 2014]

**Address:** H3WH+PJM, Bhimber-Gujrat Rd, Gujrat, Punjab, Pakistan , 50700 Gujrat (Pakistan)

**Field(s) of study:** Natural sciences

**Final grade :** A+

Biology/Chemistry/Physics

**Secondary School Certificate (2012)**

*Shaukat Model High School, Gujrat.* [2010 – 2012]

**Address:** H39H+9FG, Bakhshupura, Gujrat, Punjab, 50700 Gujrat (Pakistan)

**Final grade :** A+

Biology/Chemistry/Physics/Mathematics

**Personal skills and competences**

**DIGITAL SKILLS**

*Microsoft Powerpoint / Zoom / LinkedIn / Facebook / Statistical Packages for Social Sciences (SPSS) / MINITAB (Statistical Software) / MEGA- X / PAST (Multivariate analysis) / Google Docs / Microsoft Office Word Power Point Excel / NCBI - Blast / ESRTI ArcView GIS*

**LABORATORY SKILLS**

*Bacterial Culturing/Centrifugation and Autoclaving/Horizontal Gel/Electrophoresis/Kirby-Bauer Disc Diffusion Method/DNA Extraction Silkworms Rearing/Polymerase Chain Reaction (PCR)/Specimen Identification /Preservation*

Mother tongue(s)

**Urdu**

Other languages

**English**

Self-assessment

**Language**

**Language**

<b>Understanding</b>		<b>Spoken / Speaking</b>		<b>Writing</b>			
Listening		Reading		Spoken interaction	Spoken production	Writing	
English	C2		C2	C2	C2		C2
Urdu	C2		C2	C2	C2		C2

**Communication Skills**

- ✚ Confident and professional speaking abilities
- ✚ Giving and accepting feedback
- ✚ Active questioning and listening
- ✚ Reflective and Openminded
- ✚ Public speaking

These skills were acquired through active participation in Class presentations, debates, group discussions and through teaching experience to students on daily basis.

**Managerial Skills**

- ✚ Time management and keeping deadlines
- ✚ Coordinating events and team leadership
- ✚ Goal-setting and Multitasking

Acquired managerial skills through team leading activities both in academic and professional career.

**Technical skills**

**LABORATORY SKILLS**

*Bacterial Culturing/Centrifugation and Autoclaving/Horizontal Gel/Electrophoresis/Kirby-Bauer Disc Diffusion Method/DNA Extraction Silkworms Rearing/Polymerase Chain Reaction (PCR)/Specimen Identification /Preservation*

**Computer skills**

**DIGITAL SKILLS**

*Microsoft Powerpoint / Zoom / LinkedIn / Facebook / Statistical Packages for Social Sciences (SPSS) / MINITAB (Statistical Software) / MEGA- X / PAST (Multivariate analysis) / Google Docs / Microsoft Office Word Power Point Excel / NCBI - Blast / ESRTI ArcView GIS*

## Conferences

### CONFERENCES AND SEMINARS

- ✚ International Webinar on “Research Methods and Scientific Writing” (February 2, 2021).
- ✚ Virtual One Health International Conference, UVAS, Pakistan (2020)
- ✚ 3rd International Conference on Innovative and Public Health Research (IBPHR-2019)
- ✚ Certificate of Participation in one day International Webinar "Molecular Pathways of Cathepsin B in Aging and Alzheimer's Disease" (22 April, 2021) [*Government College University, Lahore, Department of Botany, 22 Apr 2021*]
- ✚ Symposium on Digital Teaching and Assessment; Challenges for Students (November 26, 2020).

## Publications

### PUBLICATIONS

#### Pollution and Pollinators: A review

[2020]

[https://www.researchgate.net/publication/344193542\\_Pollution\\_and\\_pollinators\\_A\\_review](https://www.researchgate.net/publication/344193542_Pollution_and_pollinators_A_review)

Riaz, J., Razzaq, H., Amjad, T., Anjum, A., Afzal, T., Fatima, F., ... & Faheem, M. (2020). 04. *Pollution and pollinators:*

*A review*. Pure and Applied Biology (PAB), 9(3), 2049-2058.

#### A review on acid rain: An environmental threat

[2020]

<http://dx.doi.org/10.19045/bspab.2021.100032>

Fatima, F., Fatima, N., Amjad, T., Anjum, A., Afzal, T., Riaz, J., & Razzaq, H. (2020). 5. *A review on acid rain: An*

*environmental threat*. Pure and Applied Biology (PAB), 10(1), 301-310.

## Projects in Pipeline

### PROJECTS

1. Biological complexity of predacious carabid beetles in agricultural landscapes patterns in irrigated farming systems under humid subtropic climate  
*Pakistan Journal of Zoology* [*Accepted*]
2. Isolation of Pathogenic Bacterial strains and their antimicrobial profiling from Cockroaches, Gujranwala District, Punjab, Pakistan  
*Saudi Journal of Biological Sciences* [*Current*]
3. Insect-based feed as an alternative protein source for Rhode Island Red Chicks- Impact assesment (AVB-22-0057)  
*Avian Biology Research Journal* [*Current*]

## Additional Certificates

- Certificate for participating in “One Day Hands on Skills Workshop of SPSS” held on April 24, 2019.
- Certificate of “e-Rozgaar three months training in Content Marketing and Advertising Course Track” from 10 August to 09- November-2020 organized by e-Rozgaar center in University of Gujrat.
- Certificate of Participation in “Five days Virtual Training on Biorisk Management” held on June 1-5, 2021 Organized by Association for Biorisk Management in collaboration with Health Security Partners and University of Gujrat, Punjab.
- Training on “Understanding Emotional Intelligence at Work for Improved Productivity”(December 9, 2020).
- One Day Hands on Skill Workshop of Planning and Analysis of Single Factor Experiments Using MINITAB software
- Certificate of participation in “One Day Academic Management Training Workshop” held on June 30, 2021 organized by Department of Zoology University of Gujrat.
- Certificate for participation and completion in the “Plastic Materials and Processes Course” hosted by Sustainable Seas Trust’s African Marine Waste Network, African Waste Academy 1 February 2022.
- Certificate of participation in online session on "How to Write Review Article" organized by the "The department of Eastern Medicine" held on 5th July 2022 at Superior University Lahore.
- Merit Certificate for achieving second position in order of merit during session 2017-2019 from University of Gujrat, Pakistan 21 February 2022.

## Recommendations

### **1. Name: Dr. Kiran Aftab**

Position: *Assistant Professor*

Organization: *University of Gujrat, Punjab, Pakistan*

Email: [dr.kiran@uog.edu.pk](mailto:dr.kiran@uog.edu.pk)

### **2. Name: Dr. Mubashar Hussain**

Position: *Assistant Professor*

Organization: *University of Gujrat, Punjab, Pakistan*

Email: [dr.mubashar@uog.edu.pk](mailto:dr.mubashar@uog.edu.pk)

## Awards

- Aspire Talent Award Salute To Teacher presented by Aspire group of Colleges Wazirabad Campus
- Winner of “The Punjab Educational Endowment Fund” (PEEF) Scholarship program funded by Government of the Punjab PEEF code: MS-0917-PUOG- 129