

CURRICULUM VITAE

Name

Rahim Ullah (Ph.D.)

Personal Profile



Nationality: Pakistani
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Postal Address: Department of Biotechnology, Shaheed Benazir Bhutto University (SBB), Sheringal, Dir Upper, KPK, Pakistan.

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Educational Profile

Ph.D. Biotechnology/ Molecular Plant Virology (2008-2016)	Doctor of Philosophy (Ph.D.) 2009-2016 CGPA: 3.86/4	National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad.
	Master of Philosophy (MPhil) 2008-2009 CGPA: 3.92/4	NIBGE, Faisalabad.
B.S (Hons 4 years) Biotechnology (2001-2006)	Bachelor of Science 76.77%	University of Malakand
H.S.S.C Science (Pre-Med.) (1998-1999)	Higher Secondary School Certificate 75%	BISE Peshawar
S.S.C Science (1996-1997)	Secondary School Certificate 77.30%	BISE Swat

Research Title (Thesis) (Ph.D.) Understanding the Molecular Basis of Cotton Leaf Curl Disease Resistance in Cotton Germplasm.

Working Experience

1. Currently working as Assistant Professor in the department of Biotechnology, Shaheed Benazir Bhutto University (SBBU), Sheringal, Dir Upper, Pakistan, from 2016 till date.

2. Six months training experience in the department of Biology, University of Sherebrooke, Canada.
3. Worked as a PhD Scholar in HEC funded project at National Institute for Biotechnology and Genetic Engineering, Faisalabad/Principal investigator (PI) of the project, Dr. Muhammad Saeed (PS).
4. Worked as a Ph.D. Research Scholar at NIBGE from 28-04-2008 to 12-01-2016.

Projects Awarded

Awarded SRGP (Start-Up Research Grant Program) project, “Characterization of Geminiviruses and its associated satellites in Dir Upper” (Funded by Higher Education Commission Pakistan, worth 0.5 million).

Teaching Activities

1. Offering various courses of Biotechnology to BS (Hons) students, Department of Biotechnology, SBBU, Sheringal, Dir Upper.
2. Teaching various courses of Biotechnology to BS (Hons) students for almost two years in Faisalabad Institute of Science and Technology (FIST), Faisalabad, Punjab.
3. Two years of teaching experience in private colleges to the undergrad students.
4. Worked also with Non-Governmental Organizations (NGOs) in the education department to assist the teachers.

Conferences/Seminars

1. Presented a Ph.D. research seminar at National Institute for Biotechnology and genetic Engineering (NIBGE), Faisalabad, December 2015.
2. Participated in “First National Conference on Emerging Trends in Bioinformatics and Biosciences” from July 20-22, 2017, at Hazara University Mansehra.
3. Participated in “International Workshop on Computational Biology in Biotechnology” organized at NIBGE, Faisalabad on July 31, 2017.

Awards/Scholarships

1. Awarded indigenous Ph.D. fellowship by Higher Education Commission, Pakistan.
2. Awarded six (6) months fellowship to the University of Sherbrooke, Canada under IRSIP by HEC, Pakistan.

Publications

1. **Ullah, R.**, Akhtar, K.P., Moffett, P., Mansoor, S., Briddon, R.w., & Saeed, M. (2014). An analysis of the resistance of *Gossypium arboreum* to cotton leaf curl disease by grafting. *Eur J Plant Pathol*, DOI 10.1007/s10658-014-0437-2.
2. **Ullah, R.**, Akhtar, K.P., Hassan, I., Saeed, M, Sarwar, N., & Mansoor, S. (2014). Evidence of *Cotton leaf curl Burewala virus* Variant and its Associate Betasatellite Causing Yellow Mosaic of Eggplant (*Solanum melongena*) in Pakistan. *J Phytopathol*, doi: 10.1111/jph.12268.

3. Akhtar^{1*}, K.P., **Ullah^{2*}, R.**, Saeed, M., Sarwar, N., & Mansoor. S. (2014). CHINA ROSE (*HIBISCUS ROSA-SINENSIS*): A NEW NATURAL HOST OF COTTON LEAF CURL BUREWALA VIRUS IN PAKISTAN. *Journal of Plant Pathology* **96** (2), 385-389.
4. Akhtar, K.P., **Ullah, R.**, Khan I.A., Saeed M., Sarwar N., & Mansoor S., (2013). First symptomatic evidence of infection of *Gossypium arboreum* with *Cotton leaf curl Burewala virus* through grafting. *International Journal of Agriculture and Biology* **15**: 157-160.
5. Shah, T. A., Afzal, A., Ali, S., **Ullah, R.**, Tabassum, R., (2017). A review on biohydrogen as a prospective renewable energy. *Int. J. Biosci.*
6. **Ullah, R.**, Akhtar, K.P., Moffett, P., Hassan, I., Akbar. F., Mansoor, S., Briddon, R.W., & Saeed, M. Examination by grafting of the extreme resistance to cotton leaf curl disease in two *Gossypium hirsutum* L. cultivars. *J. Plant, Pathol.* (Accepted).
7. **Ullah, R.**, Akhtar, K.P., Moffett, P., Hassan, I., Akbar. F., Mansoor, S., Briddon, R.W., & Saeed, M. Analysis of non-host resistance; partially unlocking the mechanism of resistance in *Gossypium herbaceum* (Under review in *J. Plant, Pathol.*).

Research Interests

1. Molecular characterization of economically important geminiviruses, satellites and satellite-like molecules associated with geminiviruses
2. Development of molecular diagnostic tools for geminivirus detection
3. Characterization of geminivirus gene function
4. Genomics, Transcriptomics and proteomics of plant viruses and understanding molecular basis of resistance phenomenon against viral pathogens (host-Virus-interactions).

Professional Experience

1. Expertise in DNA, RNA, PCR, Quantitative real time PCR, RACE-PCR, cDNA synthesis, Gene Cloning and transformation, Southern, Northern and Western blotting and Bioinformatics tools (Primer Designing, DNA sequence analysis).
2. Expertise in Agro-inoculation and Graft-inoculation.
3. Complete command on Biolistic-inoculation of seeds, callus and seedlings.
4. Expertise in Phylogenetic analysis of Viruses, Betasatellites and Alphsatellites
4. Expertise in extraction, purification and quantification of Nucleic acids from plants.
5. Skilled enough to arrange samples for Next Generation Sequencing (NGS).
6. Full skills in Microsoft Office, computer software, Reference manager (Endnote), Molecular Biology Analysis Software (DNA Star, ClustalX, MEGA 6, ORF finder, BLAST) and internet search related to molecular biology work.

References

References would be provided on request