

**Shaheen Bibi**  
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**PROFILE:**

**EDUCATION:**

2016–present University of Florida, Plant Pathology Ph.D. (GPA: 3.7)  
Advisors: Dr. Jeff Jones, Dr Gulshad Ali  
2012–2016 Colorado State University, 1<sup>st</sup> Year PhD(Glyphosate resistance in Weeds)  
Advisors: Dr. Todd Gaines, Karl Ravet  
2011–2013 National University of Science and Technology. Master of Philosophy  
2010 University of Peshawar. Master of Education  
2008 University of Peshawar. Master of Science

**WORK EXPERIENCE:**

2016-present Graduate Student Assistant, Department of Plant Pathology, University of Florida

- Predicting structure and function of genomic island in *Xanthomonas*
- Examining role of EF-hand protein in regulating virulence in *Xanthomonas*.
- RNA seq analysis of *Phytophthora parasitica* in response to silver nanoparticles

2014–2015 Research Associate at National University of Science and Technology, Islamabad

- PCR reactions and gel electrophoresis with genomic DNA from *Artimisia*
- Cloning and Transformation of the specific metabolic genes
- Bioinformatics Analysis using MEGA and Geneious.(characterizing the *Artimisia* species from Pakistan).

2009-2010 Lecture in Biology, Government Degree College for Girls, Pakistan

- Lecture Demonstration
- Students counseling and
- Conduction of Laboratory experimentations.

2010-2011 Assistant Project Planner Higher Education Commission of Pakistan, Peshawar

- Planning,
- Designing
- Implementation of different Projects

2008-2009 Lecturer in Botany at Ayesha Institute of Modern Sciences for Girls (College), Peshawar

**SCHOLARSHIPS AND HONORS:**

2015-2020 FULBRIGHT Doctoral Scholarship.  
2013–2014 Recipient of Indigenous HEC scholarship.  
2011–2013 Recipient of Scholarship from HEC, Pakistan.  
2010 Presidential Scholarship for Bachelor in Education  
2009 Distinction award for holding position in M.Sc.  
2008 Recipient of President Talent Forming Scheme Scholarship.  
2006 Best Orator award.  
2004 Best Essay writing Award.

**Leadership Experience:**

2019 Moderator at APS-Souther Division Conference, Gainesville, Florida  
2017 Mycology Student Co-chair at Florida Phytopathological Society Meeting, 2017.  
2016–present Member, UF Plant Pathology Graduate Student Organization.  
2016-present Board member of North Florida Fulbright Association.  
2015–2016 Student mentor at College of Agriculture at Colorado State University.  
2015-2016 President of PAKRAM Society at Colorado State University.

2015–2016	Member, CSU Weed Science Student Association.
2015–2016	Student Mentor at College of Agriculture Sciences, CSU
2013–2016	Member and Editor at NUST Book Club and i R Nustian, NUST Islamabad.
2011–2014	Editor at I R NUstian NUST, Islamabad.
2011–2012	Committee Chair, Botany Dept. University of Peshawar.

### **POSTERS AND PRESENTATIONS:**

2019	Oral presentation at APS-Southern Diving conference, Gainesville, FL
2018	Poster presentation at International Congress of Plant Pathology, Boston
2018	Oral presentation at 64th Annual Conference on Soilborne Plant Pathogens, Portland, Oregon
2016	Presentation to Lake Nona High School Students at UF IFAS MFREC. FL “Advancement in Molecular Biology”
2016	Poster Presenter at Western Society for Weed Science, NM “Palynology of weedy species”
2012	Presentation at National Symposium on Frontier’s in Nanotechnology at National University of Science and Technology, Pakistan.

### **PUBLICATIONS:**

- Khan, A. A., El-Sayed, A., Akbar, A., Mangravita-Novo, A., **Bibi, S.**, Afzal, Z., ... & Ali, G. S. (2017). A highly efficient ligation-independent cloning system for CRISPR/Cas9 based genome editing in plants. *Plant methods*, 13(1), 86..
- Naveed, Z., **Bibi, S.**, & Ali, G.S.,(2019). The Phytophthora RXLR effector Avrblb2 modulates plant immunity by interfering with Ca<sup>2+</sup> signaling pathway(Accepted)
- Ravet, K., Quicke, A., **Bibi, S.**, Westra, E., Giacomini, D., Jugulam, M., Dille, J.A., Stahlman, P. W., Tranel, P., Gaines,T., & Westra, P. (2017) Understanding the Genetic Evolution of Glyphosate Resistance in *Kochia Scoparia* Populations. *Weed science* (in progress)
- **Shaheen Bibi**, Ashraf El-Sayed, Jose Carlos Huguet Tapia and Gul Shad Ali., 2018. RNA-Seq Analysis of *Phytophthora Parasitica* Transcriptome after treatment with silver Nano particles. (in progress)
- **Bibi, S;** Ravet,K., Vanderpoo, K., Gaines, T & Westra, P.( 2016). Palynology of Weedy Species. (Submitted)
- **Bibi, S.**, Tahir, M. (2012). Isolation and Characterization of Begomovirus (es) from different regions of Pakistan.
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### **COMMUNITY ACTIVITIES AND OUTREACH**

2016-present	Current board member of the North Florida Fulbright Association. We support the current and incoming Fulbright graduate students at UF and hold group activities. We involve the Fulbright students at Florida State University as well to bring all together and make future long connections.
2018	Facilitated the bacteriology section in Teacher workshop at University of Florida
2017	Volunteered as Judge at 62nd Annual State Science and Engineering Fair of Florida, 2017 at LakeLand where scientists of grades 6-12 displayed their research projects.
2017	Member of the International Student Speaker Bureau (ISSB). Volunteered speaking at International Students showcase of countries on August 3 for older adult students at Master the possibilities.
Nov 2016	Volunteered lecture to Lake Nona High School’s Biology students about new technologies in Biotechnology.
Nov 2016	Facilitated hands on lab about molecular methods and diagnosing plant pathogens using equipment and aseptic procedure for Lake Nona High School students.
2016-present	Volunteered member at Organization for Educational change (OEC), Pakistan where we

work on screening competent students and assist them in procedure to attain Scholarships. My duties includes screening application for top Fulbright aspirants who cannot afford to pay for international tests and provide them free GRE and TOEFL vouchers.

- 2015–2016 Member of Global ambassador Student program at Colorado State University which Included sharing culture with local communities and classroom groups.
- 2016 Invited speaker at Fossil Ridge High School, Fort Collins, Colorado on World Language day
- 2013-2015 Active member of Himalayan Conservation and Rural Development Program (HCRSP), a non-profit organization that work for conservation and national development.
- 2014-2015 Group leader at Fundraising committee, Eidhi Foundation. Islamabad that work for orphans and homeless people.
- 2011—2013 Volunteer at Fund raising committee at National University of Science and Technology for children at slums that cannot afford education.
- 2006—2009 Organizer and volunteer in Botany Club at University of Peshawar and organizer events such as going green and planting.
- 2002-2009 President of JIRGA association for awareness of female education in community at FATA where females are restricted to home and bound to cultural norms. JIRGA association not only organize awareness events but also provide platform for skilled women to earn and be independent.