



## Curriculum Vitae

### A. PERSONAL INFORMATION

**Name:** Dr. Sundas Batool

**Father's Name:** Shahid Ali Khan

**Date of Birth:** 26<sup>th</sup> December 1987

**N.I.C. No:** 17301-1642368-8

**Religion:** Islam

**Nationality:** Pakistani

**Domicile:** Peshawar

**Languages Spoken:** Urdu, English

**Marital Status:** Married

**Postal/Permanent Address:** Opposite Gomal University, Sherani town II. D.I.Khan

**Mobile No:** 0336-5925605

**Fax No:** Nil

**Email:** sundasbatool@yahoo.com

## B. EDUCATIONAL RECORD

Level of Education / Examination Passed	Institution / Board / University	Date of obtaining Certificate / Degree	Specialized Field
PhD	Heidelberg University, Heidelberg, Germany	27 <sup>th</sup> February 2017	Plant Sciences
MSc Hons	The University of Agriculture, Peshawar	22 <sup>nd</sup> February 2011	Plant Breeding and Genetics
BSc Hons	The University of Agriculture, Peshawar	16 <sup>th</sup> January 2009	Plant Breeding and Genetics

### Topic of M.Sc (Hons):

Diallel Studies through Hayman's Approach in upland cotton

### Topic of Ph.D:

The role of sulfur metabolism under drought stress in *Arabidopsis thaliana*

## C. JOB DETAILS -TEACHING AND RESEARCH EXPERIENCE

S.NO	Job Title, Period of Service and Address of Employer	Job Duties/ Responsibilities
1	October 2018 to date Department of Plant Breeding and Genetics Faculty of Agriculture, Gomal University, D.I.Khan	Assistant Professor
2	July 2009 to June 2010: National Internship Program (NIP) in Agricultural University Peshawar, KPK, Pakistan.	Teaching Assistant
3	March 2008 to August 2008: NAFA mutual funds "a Joint Venture of National Bank of Pakistan and Temasak Singapore" Peshawar, KPK, Pakistan.	Investment consultant
4	June 2007 to August 2007: Pakistan Academy of Rural Development, Peshawar, KPK, Pakistan.	Research Trainee
5	September 2004 to December 2004: Muslim Hands NGO based School Charsada, KPK, Pakistan.	Class Teacher

#### D. ADMINISTRATIVE EXPERIENCE

S.No	Administrative Experience	Period served From-To
1	Member Board of Study of PBG Deptt.	September 2019 to date
2	Focal Person for collaboration with National Agriculture Education Accreditation Council (NAEAC)	September 2019 to date
3	Focal Person for Ehsaas Scholarship	December 2019 to date
4	Member Supervisory Committee	September 2019 to date
5	Internal Controller of Examination	September 2019 to date
6	Coordinator for the 1 <sup>st</sup> Semester (Session 2019-2023)	November 2019 to date

E. POST Ph.D. RESEARCH EXPERIENCE 1.5 YEARS

F. PROJECTS EXECUTED/ COMPLETED NA

#### G. INTERNATIONAL CONFERENCE/ FESTIVAL/ SYMPOSIUM

Name & Place	Presented/ Attended/ Participated	Duration From-To
International Conference on Plant Sciences "The Botanikertagung 2015" under the title "From Molecules to the Field". (August 30 <sup>th</sup> to September 3 <sup>rd</sup> , 2015) Freising, Germany.	Poster Presentation	30 <sup>th</sup> August-3 <sup>rd</sup> September 2015
Symposium on Plant Environment Interactions, Heidelberg, Germany	Poster Presentation	4 <sup>th</sup> - 6 <sup>th</sup> May 2015.
PhD COS Retreat, Stuttgart, Germany	Seminar	Oct, 2015
PhD COS Retreat, Baden, Germany	Poster	Oct, 2014
PhD COS Retreat, Germany	Attended	Oct, 2013

H. WORKSHOP/ SEMINAR/CONFERENCE NA

#### I. FORMAL TRAINING / COURSES

Name & Place	Type of Training
Annual course of the Nikon Imaging Center 2015 Live Imaging in 3D conducted by Universität Heidelberg.	Live Imaging in 3D

<b>Basic Principles of Teaching at University Level</b> conducted by the Department of Key Competencies in cooperation with the graduate academy of the University of Heidelberg.	
<b>How to Design Scientific Figures</b> conducted by the <b>Graduate Academy of the University of Heidelberg</b>	<b>Designing Research Figures</b>
<b>Presenting of Research Results</b> conducted by the Department of Key Competencies in cooperation with the graduate academy of the University of Heidelberg.	<b>Publishing Research Results</b>
<b>Publishing Papers in the Natural Sciences</b> conducted by the Graduate Academy of the University of Heidelberg.	<b>Publishing Research Papers</b>
<b>E-Commerce</b> sponsored by APTECH Institute of Information Technology Peshawar, KPK, Pakistan	<b>HTML, Corel Draw, Photoshop, Designing Webpages.</b>
<b>Office Automation</b> sponsored by Integrated Rural Development Organization Peshawar, KPK, Pakistan	<b>How to Use Microsoft Office (Word, Excel, Powerpoint).</b>

#### **J. DISTINCTIONS/ AWARDS/ ACHIEVEMENTS**

<b>Title of Award/ Certificate</b>	<b>Year</b>	<b>Awarded / Nominated/ Presented by</b>
<b>HEC Overseas Ph.D. Scholarship Under Faculty Development Program.</b>	<b>2012</b>	<b>Gomal University, D.I.Khan</b>

**K. MEMBERSHIP OF ORGANIZATIONS**

**NA**

**L. INTERNATIONAL PUBLICATION OF BOOKS**

**NA**

**M. NATIONAL PUBLICATION OF BOOKS**

**NA**

**N.ACADEMIC AND RESEARCH ACHIEVEMENTS**

**NA**

**O. SCHOLARLY, HONOURARY AND UNIVERSITY EXTENSION LECTURES**

**NA**

## P. EDITORIAL AND VETTING OF INTERNATIONAL/HEC RECOGNIZED JOURNALS NA

### Q. LIST OF RESEARCH PUBLICATIONS (IMPACT FACTOR/ HEC RECOGNIZED)

Mehran, Muhammad Mohibullah, **Sundas Batool**, Muhammad Amin, Syed Noor Muhammad Shah, Faheemullah, Muhammad Ilyas, Abdur Rehman. (2019) Genetic divergence and heritability studies for yield and yield attributes in various accessions of Desi Chickpea (*Cicer arietinum* L.) Sarhad. J.Agric. Under Review Process.

Sibghat Ullah, **Sundas Batool**, Muhammad Mohibullah, Javaria Noreen, Mehran Khan, Shujaat Ali, Farjad Sikandar Saddozai, Hammad Sikandar Saddozai and Muhammad Amin. (2019) Genetic studies on the Variability parameters in Pea (*Cicer arietinum*). International Journal of Genetics, Genomics & Plant Breeding. 3(1) 11-16 (Online): 2581-3293

**Batool, S.**, Uslu, V. V., Rajab, H., Ahmad N., Waadt, R., Geiger, D., Malagoli, M., C., Xiang, R., Hedrich, R., Rennenberg, H., Herschbach, C., Hell, R., and Wirtz, M. (2018) Sulfate is incorporated into cysteine to trigger ABA production and stomata closure. *Plant Cell*. 30: 2973-2987. (Impact factor: 8.538)

Malcheska, F., Ahmad, A., **Batool, Sundas.**, Müller, H., Ludwig-Müller, J., Kreuzwieser, J., Randewig, D., Hänsch, R., Mendel, R., Hell, R., Wirtz, M., Geiger, D., Ache, P., Hedrich, R., Herschbach, C., Rennenberg, H. (2017) Drought enhanced xylem sap sulfate closes stomata by affecting *ALMT12* and guard cell ABA synthesis. *Plant Physiology*, 174: 798-814. doi: 10.1104/pp.16.01784 (Impact factor: 6.280)

Komal A., Syed Q. A., Sayed A. A. S., Najeeb A., **Sundas B.** and Syed S. H., (2016). Marine Sponges as a Drug Treasure. *Biomol Ther* 24(4), 347-362 (Impact factor: 2.656)

S. Gul, N. U. Khan, **Sundas Batool**, M. J. Baloch, M. Munir, M. Sajid, A. A. Khakwani, S. H. Ghaloo, Z. A. Soomro and S. F. Kazmi (2014). Genotype by environment interaction and association of morphoyield variables in upland cotton. *The Journal of Animal & Plant Sciences*, 24(1), Page: 262-271 (Impact factor: 0.407)

**Sundas Batool**, Naqib Ullah Khan, Samrin Gul, Muhammad Jurial Baloch, Naushad Ali Turi, Syed Asmatullah Taran and Muhammad Saeed. (2013). Genetic analysis for yield and yield contributing variables in upland cotton. *Journal of Food, Agriculture & Environment* Vol.11 (3&4) : 624-630 (Impact factor: 0.197)

**Sundas Batool** and N.U. Khan. 2012. Diallel studies and heritability estimates using Hayman's approach in upland cotton. *SABRAO J. Breed. Genet.* 44 (2) 322-338, 2012

Panni, M.K., N.U. Khan, Fitmawati, **Sundas Batool** and M. Bibi. 2012. Heterotic studies and inbreeding depression in F2 population of upland cotton. *Pak. J. Bot.*, 44(3): 1013-1020. (Impact factor: 0.758)

Bibi, Z., N.U. Khan, **Sundas Batool** and K. Makhdoom. 2010. Maize response to integrated use of N-P fertilizers a compost. *Pak. J. Bot.*, 42(4): 2793-2801 (Impact factor: 0.758)

Makhdoom, K., N.U. Khan, **Sundas Batool**, Farhatullah, Raziuddin, K.B. Marwat and I.A. Khan. 2010. Genetic aptitude and correlation studies in *G. hirsutum*. Pak. J. Bot., 42(3): 2011-2017. (Impact factor: 0.758 )

Jatoi, W.A., M.J. Baloch, N.U. Khan, N.F. Veesar, and **Sundas Batool**. 2010. Identification of potential parents and hybrids in intraspecific crosses of upland cotton. Sarhad. J.Agric. Vol 26, no.1, 2010.

**Sundas Batool**, Khan, N.U., K. Makhdoom, Farhatullah, Raziuddin, K. Marwat and I.A. Khan. 2010. Heritability and genetic potential of upland cotton genotypes for morpho-yield traits. Pak. J. Bot., 42(2): 1052-1064. (Impact factor: 0.758)

Khan, N.U., K.B. Marwat, G. Hassan, Farhatullah, **Sundas Batool**, K. Makhdoom, W. Ahmad and H.U. Khan. 2010. Genetic variation and heritability for cottonseed, fiber and oil traits in *G. hirsutum* L. Pak. J. Bot., 42(1): 615-625. (Impact factor: 0.758 )

Khan, N.U., G. Hassan, K.B. Marwat, **Sundas Batool**, K. Makhdoom, I. Khan, I. A. Khan and W. Ahmad. 2009. Genetic variability and heritability in upland cotton. Pak J. Bot. 41(4): 1695-1705. (Impact factor: 0.758 )

## **R. REFERENCES**

**Dr. Muhammad Mohib Ullah Khan**  
**Department of Plant Breeding and Genetics**  
**Gomal University**  
**Dera Ismail Khan, KPK**  
**drmohib@gu.edu.pk**