

# Dr. ABDULLAH JALAL

## Academic affiliation

Assistant Professor, Institute of Biotechnology and Genetic Engineering, The University of Agriculture, Peshawar, Pakistan.

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## Personal Information

Date & place of birth: 10/10/1979, Peshawar, Pakistan.

Nationality: Pakistani

Official address: Institute of Biotechnology and Genetic Engineering, The University of Agriculture, Peshawar, Pakistan.

Home address: House No. 73-D, Police Colony Nasir Bagh road Peshawar, Pakistan.

## Academic Record

Degree	Board/University/Institute	Session	Percentage/ CGPA
Ph.D (Biology)	Ludwig Maximilians University (LMU), Munich, Germany	2008-2012	NA
M.Sc. (Hons) Plant Breeding and Genetics	The University of the Agriculture, Peshawar, Pakistan	2001-2003	84.4% 3.75/4
B.Sc. (Hons) Plant Breeding and Genetics	The University of the Agriculture, Peshawar, Pakistan	1997-2001	73.1% 3.24/4
F.Sc/A level (Pre-medical)	BISE, Peshawar, Pakistan	1994-1996	60%
Matric/O level (Science)	Federal Board, Islamabad, Pakistan	1993-1994	71.4%

## Distinction/awards

Fully funded government PhD scholarship for Germany under the Higher Education Commission of Pakistan (HEC) overseas PhD program (October, 2007 to September, 2011).

Research Scholarship from Ludwig Maximilians University, Munich, Germany (October, 2011 to March, 2012).

Selected as approved Ph.D supervisor by the Higher Education Commission (HEC), Pakistan (2013-onwards).

Second position in the M.Sc. (Hons) examination held in 2003 at The University of Agriculture, Peshawar, Pakistan.

Merit scholarship award for Masters Studies at The University of Agriculture, Peshawar, Pakistan.

## Work/Job Experience

Designation	Institution	Period
Assistant Professor-Biotechnology (BPS-19/TTS)	The Institute Of Biotechnology and Genetic Engineering, The University Of Agriculture, Peshawar, Pakistan	Since June 2014 To date
Assistant Professor-Biotechnology (BPS-19/Contract)	The Institute Of Biotechnology and Genetic Engineering, The University Of Agriculture, Peshawar, Pakistan	October 2013 to June 2014
Assistant Professor (IPFP)	The Institute Of Biotechnology and Genetic Engineering, The University Of Agriculture, Peshawar, Pakistan	October 2012 to October 2013
PhD Research Fellow	Ludwig Maximilians University Munich, Germany. (Supervisor: Prof. Dr. Jörg Nickelsen)	October 2007 to March 2012
Assistant Manager Research	Lakson Group of Companies/Phillip Morris International Pakistan	December 2003 to June 2007
M.Sc. (Hons) research/thesis	The University of Agriculture, Peshawar, Pakistan. (Supervisor: Prof. Dr. Hidayat-ur-Rahman)	March 2002 to March 2003

## Research Experience

### (a) PhD (Biology)

Title of thesis: Molecular Analysis of Pentatrigo peptide repeat proteins (PPR) in *Chlamydomonas reinhardtii*.

Supervision: Prof. Dr. Joerg Nickelsen and Dr. Alexandra-Viola Bohne

Place: Department of Biology I, Ludwig Maximilians University, Munich, Germany.

Thesis URL: <http://edoc.ub.uni-muenchen.de/15080/>

## **(b) MSc (Hons) in Plant Breeding and Genetics**

Title of thesis: Level of inbreeding depression for yield and yield related traits in S<sub>1</sub> lines of Maize.

Supervision: Prof. Dr. Hidayat-ur-Rahman.

Place: Department of Plant Breeding and Genetics (PBG), The University of Agriculture, Peshawar, Pakistan.

## **Research Projects**

January 2014 - todate	HEC startup research project awarded for research studies at The University of Agriculture, Peshawar, Pakistan
Title	Establishment Of Efficient and Reproducible Protocol For Callus Induction and Regeneration Of Promising <i>Brassica napus</i> Genotypes
Role	Principal Investigator

## **Personal Skills and Competences**

### **Biotechnology and Genetic Engineering Skills**

Tissue culture, PCR, Protein over-expression, Recombinant DNA technology, Sub fractionation of cell organelles through differential centrifugation, Size Exclusion Chromatography, RNA and protein Co-immunoprecipitations, ami RNA, RNAi, Chip analysis and Gels Blot Analyses.

### **Social skills**

Seminar Series at Ludwig Maximilians University Munich, Germany.

### **Organisational skills**

Social activities organizer for PhD Students at Ludwig Maximilians University Munich, Germany.

### **Computer skills**

Microsoft Windows, Microsoft Office, LATEX, MSTATC, Clone Manager and Image Studio.

### **Hobbies**

Reading books, Journals and World News.

Sports (Swimming, Badminton, Cricket, Table tennis).

Active player in University Badminton team. (Runner up, inter University Badminton tournament (singles)).

## Publications/Reviews and Conference Abstracts

### Journal-Articles

- 1) Imran khan, Muhammad Sayyar khan, Muhammad Ilyas, Hala Rajab, Safdar Hussain Shah and **Abdullah Jalal** (2013) "Genetic Transformation of *Brassica napus* with the Antifungal *chitinase* Gene" International Journal of Agriculture and Biology. **15**: 933-938.
- 2) Alexandra Viola-Bohne, Christian Schwarz, **Abdullah Jalal**, Friedrich Ossenbühl, and Jörg Nickelsen. (2009) Control of organellar gene expression in *Chlamydomonas reinhardtii* – future perspectives. Endocytobiosis Cell Res. **19**: 70-80.
- 3) **Abdullah Jalal**, Muhammad Sayyar khan, Khurram Maqbool, Sajid Ali, and Hidayat ur Rahman. (2006) Inbreeding depression for reproductive and yield related traits in S1 lines of maize (*Zea mays* L.)" J. of Songklanakarin J. Sci. Technol. **6**, 1169-1173.
- 4) **Abdullah Jalal**, Alexandra Viola-Bohne, Christian Schmitz Linneweber, Olivier Vallon and Joerg Nickelsen (2014) "A Small Multifunctional Pentatricopeptide Repeat Protein in the Chloroplast of *Chlamydomonas reinhardtii*" Molecular Plant. (Submitted in 2014).

### Conference-Posters

- 1) **Abdullah Jalal**, Alexandra Viola-Bohne, Christian Schmitz Linneweber, Olivier Vallon and Joerg Nickelsen. (Sept. 2009). Functional Analysis of PPR (Pentatricopeptide repeat) Protein Family in *Chlamydomonas reinhardtii*. LEOPOLDINA-SYMPOSIUM, Institute of Biology, Free University Berlin, Germany.
- 2) **Abdullah Jalal**, Alexandra Viola-Bohne, Christian Schmitz Linneweber, Olivier Vallon and Joerg Nickelsen. (Sept. 2009). Functional Analysis of PPR (Pentatricopeptide repeat) Protein Family in *Chlamydomonas reinhardtii*. XIIIth Annual Meeting of the German Section of the International Society for Endocytobiology (ISE-G-Meeting 2009), FU-Biologie, Berlin, Germany.

## REFERENCES

- Prof. Dr. Jörg Nickelsen, Group of Molecular Plant Science, Ludwig Maximilians University Munich, Germany.
- Prof. Dr. Jürgen Soll, Group of Plant Biochemistry and Physiology, Ludwig Maximilians University Munich, Germany.
- Prof. Dr. Zahoor A. Swati, Dean, Faculty of Crop Production Sciences, The University of Agriculture, Peshawar, KPK.

- Prof. Dr. Zahir Shah, Chairman, Department of Soil and Environmental Sciences, The University of Agriculture, Peshawar, KPK.
- Dr. Muhammad Sayyar Khan, Assistant Professor, Institute of Biotechnology and Genetic Engineering (IBGE), The University of Agriculture, Peshawar, KPK.

## **Administrative experience**

- 1) Member (subject expert) Board of Studies, Center for Biotechnology and Microbiology, University of Peshawar, Pakistan (2014-onward).
- 2) Member (subject expert) Board of Studies, Institute of Biotechnology and Genetic Engineering, The University of Agriculture, Peshawar, Pakistan (2013-onward).
- 3) Academics cum Research Coordinator at Institute of Biotechnology and Genetic Engineering, The University of Agriculture, Peshawar, Pakistan (2013-onward).
- 4) Member of selection board (subject expert Plant Molecular Biology and recombinant DNA technology) for lecturer (BPS-18) at Shaheed Benazir Bhutto Women University, Peshawar (2012).
- 5) Judge in the biotechnology exhibition organized by the department of biotechnology and genetics engineering, KUST, Kohat, Pakistan (12<sup>th</sup> June 2012).
- 6) Member purchase committee at the Institute of Biotechnology and Genetic Engineering, The University of Agriculture, Peshawar, Pakistan (2013-onward).
- 7) Member admission committee at the Institute of Biotechnology and Genetic Engineering, The University of Agriculture, Peshawar, Pakistan (2013-onward).
- 8) Member board of studies the Institute of Biotechnology and Genetic Engineering, The University of Agriculture, Peshawar, Pakistan (2013-onward).
- 9) Organizer at the International workshop on biotechnology for development the Institute of Biotechnology and Genetic Engineering, The University of Agriculture, Peshawar, Pakistan (2013).

## **Languages**

English (reading, writing & speaking), German (Basics), Urdu (reading, writing & speaking), Pashto (reading, writing & speaking)