

## CURRICULUM VITAE

**NAME:** AMNA JAVAID  
**DATE OF BIRTH:** 01-04-1979  
**SEX:** FEMALE  
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**DEPARTMENTAL ADDRESS:** FCBP, Department of Mycology and Plant Pathology, University of the Punjab, Lahore, Pakistan.  
**PRESENT STATUS:** RESEARCH SCHOLAR, FCBP

### ACADEMIC QUALIFICATIONS:

DEGREE	INSTITUTE	DIVISION	YEAR
Ph.D.	Dept. of Mycology & Plant Pathology University of Punjab	Thesis has submitted	
M.Sc. (Botany)	Punjab University	1 <sup>st</sup>	2001
B.Sc. (Botany, Zoology, Chemistry)	Punjab University	2 <sup>nd</sup>	1999
Matriculation	Lahore Board	1 <sup>st</sup>	1995

### TITLE OF M.Sc. THESIS:

“Response of maize (*Zea mays* L.) to EM and organic amendments in heat sterilized and non sterilized soil”.

### Ph.D RESEARCH TOPIC

“Biosorption of Industrial Heavy Metals by some Macromycetes”.

### SPECIAL INTERESTS

Culturing and identification of mycoflora  
Mushroom cultivation  
Mycorrhizal study  
Fungal Biotechnology and Biocontrol  
Wastewater treatment using fungi

### OTHER RELEVANT CO-CURRICULAR ACTIVITIES

1. Have been **working for last three years as research scholar** of First Fungal Culture Bank of Pakistan, Department of Mycology and Plant Pathology Punjab University, Lahore. I have isolated hundreds of fungal cultures and maintaining about 800 pure cultures of fungi.
2. Conducting research to M.Sc. (Hons) and internship to the B.Sc. (Hons).students from various institutes.
3. Participating as demonstrator for conducting practical in the subject of Introductory Plant Pathology to B.Sc. (Hons) and M Sc. (Hons)
4. Member of Editorial board of Myconews from 2004-2006, quarterly published official newsletter of First Fungal Culture Bank of Pakistan, Department of Mycology and Plant Pathology. University of Punjab
5. Accompanying study tours conducted for B.Sc. and Ph.D. classes to various industries and Northern hilly areas of Pakistan.
6. Member organization Committee of Workshop on “Identification and conservation of Micromycetes” organized by Dept. of Mycology and Plant Pathology University of Punjab, on Aug 23-28, 2004
7. Member organization Committee of Workshop on “Identification and conservation of Micromycetes” organized by Dept. of Mycology and Plant Pathology University of Punjab, on Aug 20-25, 2007.
8. Member, organizing committee of 3rd International Phytopathological Conference to be held on November 19-21, 2007. Department of Mycology and Plant Pathology University of the Punjab, Quaid-e-Azam Campus.

#### **MEMBERSHIPS OF SOCIETIES**

Life member of Myco-phytopathological Society of Pakistan (MYCOPS)  
Life member of Pakistan Phytopathological Society

#### **JOB EXPERIENCES**

Lecturer in Biology, Govt. Wahdat College for women Lahore from 01.09.2003 to 01.02.2005

Part time teacher in Department of Mycology and Plant Pathology, University of the Punjab

#### **PUBLICATIONS:**

##### **Research Articles in Journals**

- 1) Bajwa, R., **A. Javaid** and A. Javaid, 2002. Effect of soil sterilization, organic Amendments and EM Application on Growth, Yield and VA Mycorrhizal Colonization in Maize. *Pakistan Journal of Phytopathology*, **14(1)**: 62-67.
- 2) Bajwa, R., **A. Javaid** and M. Hussain, 2002. Mycoflora associated with the biodeterioration of Picture walls at Lahore fort . *Mycopath*, **2(1)**: 43-50
- 3) Ashraf, A. and **A. Javaid**, 2005. Fungi associated with rhizome of turmeric(*Curcuma longa* L.) in Pakistan. *Mycopath*, **3(1&2)**: 69-71.
- 4) Arshad Javaid, Rukhsana Bajwa, **Amna Javaid** and Themina Anjum. 2005. Fungi associated with seed of pulses collected from Lahore and thier effect on seed germination. *Mycopath*, **3(1&2)**: 13-16.
- 5) Javaid, A., R. Bajwa and **A. Javaid**, 2005. *Fusarium* root and stem rot of *Erythrina suberosa* Roxb. In Pakistan. *Pakistan Journal of Phytopathology*, **17(2)**: 105-107.

- 6) Arshad Javaid and **Amna Jvaaid**. 2006. Effect of viral infection on arbuscular mycorrhizae colonization in weeds. *Mycopath*, **4(1)**: 9-12.
- 7) **Javaid, A.**, A. Javaid, and Akhtar N., 2007. Antifungal potential pf metabolites of *Trichoderma* spp. against seed-borne mycoflora of wheat. *Pakistan Journal of Phytopathology*, **19(1)**: 123-127.
- 8) **Javaid, A.**, A. Javaid, and Akhtar N., 2007. In-vitro chemical control of *Botryodiplodia theobromae* isolated from dying back mango tree. *Pakistan Journal of Botany* (In Press).
- 9) **Javaid, A.**, A. Javaid, and Akhtar N., 2007. Effect of NPK, and two types of green manure on growth and mycorrhizal colonization of wheat. *Pakistan Journal of Phytopathology*, **19(1)**: (In Press).
- 10) N. Akhtar, Jaffar H. Mirza, R. Bajwa and **A. Javaid**, 2007. Isolation and Identification of Aspergilli from seed. *Mycopath*. In press
- 11) **Amna Javaid** and Rukhsana Bajwa, 2008. Biosorption Potential of *Schizophyllum commune* for Removal of Heavy metal Ions from Aqueous Solution. Proceeeding 3rd International Phytopathological Conference to be held on November 19-21, 2007. Department of Mycology and Plant Pathology University of the Punjab, Quaid-e-Azam Campus.
- 12) **Amna Javaid and Rukhsana Bajwa**. 2008. A new approach of utilizing plant by-products colonized by fungal mycelia for sorption of industrial heavy metal ions.

#### Research Bulletin

- 13) Jaffar H. Mirza, R. Bajwa, N. Akhtar and A. Javaid, 2005. Coprophilous Fungi of Pakistan. *Research Bulletin No 2*. First Fungal Culture Bank of Pakistan. Dept. of Mycology and Plant Pathology University of the Punjab, Lahore.

#### Abstract Published

- 14) Naureen Akhtar and **Amna Javaid**, 2006. Antifungal Activity of Allelopathic *Asteraceous* species on growth of *Aspergillus* species. Conference on 2nd Advances Against Aspergillosis Athens, Greece
- 15) **Amna Javaid** and Rukhsana Bajwa, 2005. Biosorption of Industrial heavy metals (Cr, Cu, Pb, Ni and Zn) by *Pleurotus ostreatus*. International Symposium on Biofertilizer and Biocontrol Technology, Pakistan.
- 16) **Amna Javaid** and Rukhsana Bajwa, 2007. Biosorption Potential of *Schizophyllum commune* for Removal of Heavy metal Ions from Aqueous Solution. Proceeeding 3rd International Phytopathological Conference to be held on November 19-21, 2007. Department of Mycology and Plant Pathology University of the Punjab, Quaid-e-Azam Campus.
- 17) N. Akhtar, Jaffar H. Mirza, R. Bajwa and **A. Javaid**, 2007. Isolation and Identification of Aspergilli from seed. 3rd International Phytopathological Conference to be held on November 19-21, 2007. Department of Mycology and Plant Pathology University of the Punjab, Quaid-e-Azam Campus.

#### Poster Presentation

- 18) Rukhsana Bajwa, Tariq Manzoor and **Amna Javaid**. Evaluation of biosorption potential of *Aspergillus niger* and *Rhizopus arrhizus* for heavy metals removal from Industrial Effluents. 3rd International Phytopathological Conference to be held on November 19-21, 2007. Department of Mycology and Plant Pathology University of the Punjab, Quaid-e-Azam Campus.
- 19) **Amna Javaid** and Rukhsana Bajwa. Biosorption Potential of *Schizophyllum commune* for Removal of Heavy metal Ions from Aqueous Solution. 3rd International Phytopathological Conference to be held on November 19-21, 2007. Department of Mycology and Plant Pathology University of the Punjab, Quaid-e-Azam Campus (got Third prize).
- 20) N. Akhtar, Jaffar H. Mirza, R. Bajwa and **A. Javaid**, 2007. Isolation and Identification of Aspergilli from seed. 3rd International Phytopathological Conference to be held on November 19-21, 2007. Department of Mycology and Plant Pathology University of the Punjab, Quaid-e-Azam Campus.

#### Short Articles

- 21) **Amna Javaid**, 2005. Agenda for Survival,. *Myconews*, 3(2).
- 22) **Amna Javaid**, 2005. Biotechnology- For Solution of Water Pollution. *Myconews*, 3(1).