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16100, Cognac, France.  
**Date of Birth** 16/07/1981  
**Gender** Male

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# Dr. Kashif ZEESHAN

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## Career Objective

Dedication to my work and to excel in my field utilizing all my mental and physical capabilities and available opportunities to the hilt.

## Interests

Research activities, computer related works, net surfing, and diagnosis of plant diseases and searching out their control measures, renewable energy.

## Subject Interests

Plant Pathology, Biocontrol, Microbiology, Mycology, Weed Management, Biopesticides, Bioherbicides, Fermentation, Fermentors/Bioreactors, Mass Inoculum production, Disease Modeling and Applied Research.

## Professional experience

[ Dates Attended ]      [ Company/Institution ]

### Assistant Professor

- April 2010-Sep 2010      Plant Pathology Department, Arid Agriculture University, Rawalpindi, Pakistan.

### Visiting Scholar (microbiology/biopesticides/biocontrol)

- August 2009-Sep 2009      Plant Pathology Lab., Charles Sturt University, Wagga Wagga Campus, Australia.

### PhD Scholar (microbiology/biopesticides/biocontrol)

- Dec 2006-Feb 2010      University Lab. LUBEM, Quimper, University of Brest (UBO), France.

### Internship - Master 2 Research (Topic: Modeling Fluxes of *Botrytis cinerea* airborne spores in tomato non-heated plastic tunnel)

- 2005-2006      Laboratory of Mycology, Plant Pathology Unit, INRA-Saint Maurice, Montfavet, France.

### Research Fellow

- 2003-2005      Ministry of Food, Agriculture and Livestock, Islamabad, Pakistan.

### Computer Assistant

- 2003      4<sup>th</sup> National Conference of Plant Pathology, University of Arid Agriculture, Rawalpindi, Pakistan.

## Volunteer experience

- Worked as **Exhibition In-charge** for 4<sup>th</sup> National Conference of Plant Pathology, 2003 held in University of Arid Agriculture, Rawalpindi, Pakistan.
- Worked as **Research Fellow** in 2002 in Crop Disease Research Programme, National Agriculture Research Center, Islamabad, Pakistan.

## Scholarships, Awards & Distinctions

- PhD degree awarded with the “Highly Honorable” grade (Très Honorable).
- Award of Mobility Scholarship “Bourse de Mobilité Sortant, 2009” from European University of Brittany (Université Européenne de Bretagne) for 3 months research work in Australia.
- Award of Overseas Scholarship (2004) for PhD in Selected Fields in France in the field of Plant Pathology by Higher Education Commission, Islamabad, Pakistan.
- Designation of “Star Laureate 2004” by winning XVth Star Award 2004 on national level.
- Merit Scholarship in M.Sc. (Hons) Plant Pathology, 2<sup>nd</sup> semester.
- GPA of 4.00/4.00 in M.Sc. (Hons) Plant Pathology, 2<sup>nd</sup> & 3<sup>rd</sup> Semester.
- Award of Subsistence Allowance 2004 under the title “Support to Scientific Talent” by Higher Education Commission, Islamabad, Pakistan.
- First Prize in Poster Presentation in 4<sup>th</sup> National Conference of Plant Pathology, 14-16 October, 2003, held by Pakistan Phytopathological Society.

## Research Activities

- “Optimization of the production of *Plectosporium alismatis*, a potential mycoherbicide against alismataceous weeds in rice” in PhD.
- “Modeling fluxes of *Botrytis cinerea* airborne spores in tomato non-heated plastic tunnel” in Master 2 Research.
- “Integrated disease management of *Cercospora* leaf spots on sugar beet” in M.Sc. (Hons.) Plant Pathology.
- “Seed associated mycoflora of peas and their control measures” in B.Sc. (Hons.) Agriculture.

## Patents and Publications

### Research Papers

- **Kashif Zeeshan**, Denis de la Broise, Julien Despréaux and Sophie Cliquet. *Plectosporium alismatis* as a potential mycoherbicide: UV and desiccation tolerance, formulation shelf-life and pathogenicity against *Alisma plantago-aquatica*. Bioresource Technology. (Submitted)
- **Kashif Zeeshan**, Denis de la Broise, Gavin Ash and Sophie Cliquet. Pellet Production by a mycoherbistat fungus, *Plectosporium alismatis*, in submerged culture. World Journal of Microbiology and Biotechnology. (Submitted)
- Sophie Cliquet and **Kashif Zeeshan**. 2008. Impact of nutritional conditions on yields, germination rate and shelf-life of *Plectosporium alismatis* conidia and chlamydospores as potential candidates for the development of a mycoherbicide of weeds in rice crops. Biocontrol Science and Technology. 18: 685-695
- Charaf Moulay, Sophie Cliquet, **Kashif Zeeshan**, Gavin J. Ash and Eric J. Cocher. 2008. Biological control of aquatic weeds by *Plectosporium alismatis*, a potential mycoherbicide in Australian rice crops: comparison of liquid culture media for their ability to produce high yields of desiccation-tolerant propagules. pp. 306-310. In M. H. Julien et al., (eds.) Proceedings of the XII International Symposium on Biological Control of Weeds. CAB International Wallingford, UK.
- Nasim Begum, **Kashif Zeeshan Alvi**, M. I. Haque, M. Usman Raja and Sobia Chohan. 2003. Evaluation of mycoflora associated with pea seeds and some control measures. Plant Pathology Journal 3: 48-51

### Abstracts & Other Publications

- Charaf Moulay, Sophie Cliquet, **Kashif Zeeshan**, Gavin J. Ash and Eric J. Cother. 2008. Biological control of aquatic weeds by *Plectosporium alismatis*, a potential mycoherbicide in Australian rice crops: comparison of liquid culture media for their ability to produce high yields of desiccation-tolerant propagules. (Abstract) pp. 254. In M. H. Julien et al., (eds.) Proceedings of the XII International Symposium on Biological Control of Weeds. CAB International Wallingford, UK.
- Nasim Begum, Zubaida Ch., Irfan Ul-Haque, Hamid Rashid and **Kashif Zeeshan Alvi**. 2004. Bacterial Wilt of Tomato and its management (Urdu Transcript). Jadeed Zarait. Jadeed Zarait Society of Pakistan. Tameer Press, Lahore, Pakistan. 22: 24-25.
- Nasim Begum, **Kashif Zeeshan Alvi**, M. I. Haque, M. Usman Raja and Sobia Chohan. 2003. Evaluation of mycoflora associated with peas and their control. (Abstract). 4<sup>th</sup> National Conference of Plant Pathology. Oct. 14-16, 2003. University of Arid Agriculture, Rawalpindi, Pakistan. p. 26.

### Poster Presentations

- Charaf Moulay, Sophie Cliquet, **Kashif Zeeshan**, Gavin J. Ash and Eric J. Cother. 2007. Biological control of aquatic weeds by *Plectosporium alismatis*, a potential mycoherbicide in Australian rice crops: comparison of liquid culture media for their ability to produce high yields of desiccation-tolerant propagules. Poster Presentation in XII International Symposium on Biological Control of Weeds, April 22-27, 2007, La Grande Motte, France.
- Nasim Begum, Zubaida Ch., Hamid Rashid, M. I. Haque and **Kashif Zeeshan Alvi**. 2004. Bacterial wilt of Tomato and its management (in Urdu). Poster Presentation in National Exhibition, April 21-23, 2004, in National Agricultural Research Centre, Islamabad, Pakistan.
- Nasim Begum, **Kashif Zeeshan Alvi**, M. I. Haque, M. Usman Raja and Sobia Chohan. 2003. Seed associated mycoflora and their control measures. Poster Presentation in 4<sup>th</sup> National Conference of Plant Pathology, Oct 14-16, 2003 held by Pakistan Phytopathological Society.

### Education

[ Dates Attended ]                      [ Institution ]                      [ Division/%age ]

#### **PhD in Microbiology/Biocontrol (Topic: Optimization of the Production of *Plectosporium alismatis*, a Potential Mycoherbicide against Alismataceous Weeds in Rice)**

- 2010                      University of Brest, France                      Grade: Highly Honorable

#### **Master 2 Research (Biology and Environment of Mediterranean cultivated Plants)**

- 2006                      University of Avignon, France

#### **M.Sc. (Hons) Plant Pathology (Thesis not submitted)**

- 2005                      University of Arid Agriculture, Rawalpindi, Pakistan                      1<sup>st</sup>/97.25

#### **B.Sc. (Hons) Agriculture (Major: Plant Pathology)**

- 2003                      University of Arid Agriculture, Rawalpindi, Pakistan                      1<sup>st</sup>/72.82

**Intermediate (Pre-Medical)**

- 1999 Govt. College Layyah, Pakistan 1<sup>st</sup>/65.00

**Matriculation (Science)**

- 1995 Superior Science Secondary School 1<sup>st</sup>/88.82  
Muzaffar Garh, Pakistan

**Professional Diploma/Certificate****Computer Applications**

- 2001 University of Arid Agriculture, Rawalpindi, Pakistan

**Languages**

[ **Reading** ] [ **Writing** ] [ **Listening** ] [ **Speaking** ]

**French**

- Good Good Very Good Very Good

**English**

- Very Good Very Good Good Good

**Computer Knowledge**

- Computer knowledge is up to demand of an office requirement.
- MS-Word, MS-Excel, MS-PowerPoint, FCC, Windows, DOS.
- Internet.

**References**

- **Dr. Gavin Ash**, Associate Professor of Plant Pathology, School of Agricultural and Wine Sciences, Charles Sturt University, Australia.  
(gash@csu.edu.au)
- **Dr. Philippe Nicot**, Senior Scientist, Plant Pathology Unit, National Institute for Agricultural Research (INRA), Avignon Research Center, Montfavet, France.  
(philippe.nicot@avignon.inra.fr)
- **Dr. Ivan Leguérinel**, Professor, Head of LUBEM, Quimer, France.  
(ivan.leguerinel@univ-brest.fr)
- **Dr. Denis de la Broise**, Associate Professor, LEMAR, Quimper, France.  
(denis.de-labroise@univ-brest.fr)