

## CURRICULUM VITAE

Name **Dr. M. INAM-UL-HAQ**  
(Associate Professor/Director Advanced Studies)

Father's Name Hafiz Wisal Ahmad

Date of Birth 18-4-1965

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Marital Status Married

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### QUALIFICATION:

<u>Degree</u>	<u>Year</u>	<u>Name of Institution</u>
Post Doc Training	2006	University of Reading, Berkshire, U.K.
Post Doc Training	2003	Ain Shams University, Cairo, Egypt
Ph.D. Plant Pathology	2000	University of Agriculture, Faisalabad
M.Sc. (Hons.) Agri.	1990	University of Agriculture, Faisalabad
B.Sc. (Hons.) Agri.	1988	University of Agriculture, Faisalabad
F.Sc. Pre-Medical	1984	Govt. Degree College, Rawalpindi
Matric (Science)	1981	Govt. Millia Islamia, High school, Rawalpindi.

### DISTINCTION

1. Secured first position in the M.Sc. (Hons.) Agri. Examination held in the academic session of 1989-90, of the University of Agriculture, Faisalabad.
2. Got two Post doc. trainings from abroad.
  - a) Egypt
  - b) United Kingdom.

### **LIST OF THESES:**

**M.Sc.** - Screening of gram germplasm against *Ascochyta rabiei* and evaluation of various fungicides for the control of the pathogen.

**Ph.D.** - Biological control of chickpea wilt by the use of plant growth promoting rhizobacteria (PGPR).

### **COMPUTER LITERACY:**

Well versed with various computer programs such as Windows, Microsoft Office (MS Word, MS Excel and MS Power Point), Howard Graphics, M Stat-C etc.

### **EXPERIENCE:**

More than 20 years of experience in teaching, research and administration.

- ⇒ Lecturer in Plant Pathology, University of Agriculture, Faisalabad. From 27.2.1992 to 22.10.2000.
- ⇒ Assistant Professor in the Department of Plant Pathology, University of Agriculture, Faisalabad, from 23.10.2000 to 22-12-2006. The main duties are teaching and research in Plant Pathology.
- ⇒ **Associate Professor** in the Department of Plant Pathology, University of Agriculture, Faisalabad, from 23.12.2006 to 22-09-2008. The main duties are teaching and research in Plant Pathology.
- ⇒ **Associate Professor** in the Department of Plant Pathology, PMAS Arid Agriculture University, Rawalpindi from 23.09.2008 to date. The main duties are teaching and Research in Plant Pathology. Also working as **Director Advanced Studies** at PMAS, Arid Agriculture University Rawalpindi, from 28-01-2011 to date

## **RESEARCH PROJECTS**

### **COMPLETED:**

**A. Worked as PI**, of the Research Project entitled “Utilization of plant growth promoting and nodule forming rhizobacteria in the integrated control of root infecting fungi of Sunflower and Soybean” Funded by HEC, Islamabad.(2003-06)

**B. Worked as Co-PI**, of following research projects:

1. Evaluation of different plant materials for their nematicidal potential against root-knot nematode *Meloidogyne* spp. on tomato and brinjal (1993-94). Funded by UGC , Islamabad.
2. Biological control of chickpea wilt by the use of Plant growth promotion rhizobacteria (PGPR). 1999. Funded by UGC, Islamabad.
3. Biological control of root knot nematode *Meloidogyne* spp. of vegetables, (1995-96) Funded by UGC, Islamabad.

### **RUNNING PROJECTS: (Two 02 Projects)**

1. **PSF funded Project entitled** “ Utilization of Plant Growth Promoting Rhizobacteria for the Induction of Systemic Resistance in Potato Seed against Bacterial Rot and Wilt Diseases”.
2. **Endowment Fund UAF:** Rhizobacterial Formulations Application Technology for the Control of major Pathogenic root infecting fungi in chickpea for sustainable Crop Production”.

### **APPROVED:**

1. Development of bio-pesticides for the control of soil-borne diseases of tomatoes and chillies caused by *pythium* and *phytophthora spp.* PARB, Lahore. (Approved principally in TWG meeting).

### **SUBMITTED:**

1. Surveillance and pathogen characterization of bacterial canker of stone fruits using biochemical and molecular methods and its bio-management HEC Islamabad. (Under evaluation).

### **INTERNATIONAL COLLABORATION:**

1. One project is in pipeline with the foreign professor from University of Reading. Link is continued here in PMAS Arid Agriculture University Rawalpindi.(Copy of Memorandum of Linkage is enclosed).
2. One project is in pipeline with the foreign professor from University of Western Ontario, Canada. And my visit for one month is approved by HEC, Islamabad, under PPCR programme for Collaborative Research Project Development.(Copy of approval of funds and invitation from abroad is enclosed).

### **OTHER DISTINCTIONS**

- ⇒ Associate Editor, Pak. Journal of Phytopathology and Newsletter, of Pakistan Phytopathology Society (2000-2004).
- ⇒ Councilor, Pakistan Phytopathology Society (1999-2005)
- ⇒ HEC recognized Ph.D supervisor
- ⇒ **Director Advanced Studies.**

### **PUBLICATIONS:**

Sixty one (65) research papers published in Journals of National and International repute. **(Eleven papers in Impact Factor Journals).** (List Attached)

### **STUDENTS SUPERVISED:**

Fifteen **(15) M.Sc.** and three **(03) PhD** students Supervised up till now, Co - Supervisor of 35 students.

### **TRAINING ABROAD:**

One month and fifteen days, short term training programme in biotechnology supported by UNESCO under UNESCO-MIRCEN short term training

programme, from 27 Feb. to 13 April, 2003, in the Ain Shams University, Cairo, Egypt.

**PRESENT APPOINTMENT:**

Working as **Associate Professor** in the Department of Plant Pathology and **Director Advanced Studies** at PMAS, Arid Agriculture University, Rawalpindi and involved in teaching, research and administration activities.

**List of Publications of Dr. M. Inam-ul-Haq**  
**Associate Professor of Plant Pathology/Director Advanced Studies**

1. Ahmad, R., M. Tariq, N. Javed and M. Inam-ul-Haq. 1991. Effect of extract of various plants on egg hatching and larval mortality of root-knot nematode *Meloidogyne incognita*. Pak. J. Phytopathol. 3(1-2):38-42.
2. Khan, S.M., I. Habib, M. Inam-ul-Haq and S. Nadeem. 1991. Studies on the cultivation of Chinese mushroom *Volvariella volvacea* on wheat straw. Pak. J. Phytopathol. 3(1-2):53-56.
3. Khaleeqe M.I., M. Inam-ul-Haq, M. Iqbal and A. Alam. 1993. Response of chickpea cultivars to *Rhizoctonia solani* infection. Pak. J. Phytopathol. 5(1-2):18-20.
4. Khan, S.M., I. Hussain, M. Inam-ul-Haq and A. Alam. 1993. Further studies on the cultivation of Chinese mushroom *Volvariella volvacea* on crop residues of cotton. Pak. J. Phytopathol. 5(1-2):66-69.
5. Ahsan ullah, Q., R. Ahmad, M. Inam-ul-Haq and N. Javed. 1993. Effect of soil burning on control of root knot Nematodes *Meloidogyne* spp. and growth of brinjal plants. Pak. J. Phytopathol. 5(1-2):98-101.
6. Ahmad, S., N. Javed, R. Ahmad and M. Inam-ul-Haq. 1993. Efficacy of certain chemicals in controlling *Meloidogyne incognita* infecting cucumber (*Cucumis sativus* L.). Pak. J. Phytopathol. 5(1-2):115-118.
7. Mukhtar, T., R. Ahmad, M. Inam-ul-Haq and N. Javed. 1994. Effect of leaf extract of some plants on *Meloidogyne incognita*. Pak. J. Phytopathol. 6(1):35-37.
8. Ahmad, R., S.M. Khan and M. Inam-ul-Haq. 1994. Bioconversion of waste material of corn by edible fungus *Volvariella volvacea*. Pak. J. Phytopathol. 6(1):45-49.
9. Javed, N., A. Rashid, A. Mahmood, R. Ahmad and M. Inam-ul-Haq. 1996. Study of different factors influencing the epidemiology of seed gall nematode of wheat (*Anguina tritici*). JAPS 6(1-2):53-55.

10. Saeed, M., S.M. Khan and M. Inam-ul-Haq. 1994. Studies on the cultivations of Chinese mushroom *Volvariella volvacea* on waterhyacinth (*Eichhornia crassipes*). Pak. J. Phytopathol. 6(2):130-134.
11. Rahim, A., S.M. Khan and M. Inam-ul-Haq. 1995. Cultivation of Chinese mushroom (*Volvariella volvacea*) in liquid and solid culture from kallar grass. Pak. J. Phytopathol. 7(1):56-58.
12. Aziz, I., R. Ahmad and M. Inam-ul-Haq. 1995. Effect of insecticides and leaf extracts on egg hatching and larval mortality of root knot nematode *Meloidogyne javanica*. Pak. J. Phytopathol. 7(1):65-67.
13. Khaleeque, M.I., A. Alam, M. Inam-ul-Haq and M. Ahmad. 1995. Reaction of ten sorghum (*Sorghum bicolor* L) cultivars against grain smut *Sphacelotheca sorghi* (Link) Clin. under semi arid conditions of Bahawalpur. Pak. J. Phytopathol. 7(1):90-91.
14. Siddiqi, S.A., J.H. Mirza and M. Inam-ul-Haq. 1995. Studies on growth and sporulation of *Fusarium moniliforme* Sheld. the causal organism of bakanae disease of rice. Effect of carbon sources. Pak. J. Phytopathol. 7(2):151-153.
15. M. Inam-ul-Haq, M.B. Ilyas and K. Iftikhar. 1995. Evaluation of various fungicide for the control of *Ascochyta rabiei*. Pak. J. Phytopathol. 7(2):157-159.
16. Javed, N., M.R. Kazmi, R. Ahmad and M. Inam-ul-Haq. 1997. Effect of insecticides on root knot disease and plant growth in tomato. Pak. J. Phytopathol. 9(2):156-158.
17. Ahmad, R., M.A. Khan, S. Hussain and M. Inam-ul-Haq. 1998. Relationship of *Meloidogyne javanica* population with growth rate of chilli varieties affected with root knot disease. Pak J. Phytopathol. 10(2):108-112.
18. Ahmad, R., M.K. Abbas M.A. Khan M. Inam-ul-Haq and S.T. Sahi. 1994. Evaluation of different methods of applications of *Pasteuria penetrans* for the biocontrol of root-knot tomato (*Meloidogyne incognita*). Pak. J. Nematol., 12(2):155-160.
19. Ahmad. R., M.Z. Kayani, M. Inam-ul-Haq and N. Javed. 1992. Effect of seasonal fluctuation on the population dynamics of citrus nematode (*Tylenchulus semipenetrans cobb.*) Proceedings of the second international Workshop on plant Nematology. November 22-26 1992, Karachi University Pakistan.
20. Ahmad, R., M.Z. Shahab, M. Inam-ul-Haq, M. Javed M.A. Dogar and M.Y. Khan. 1996. Effect of soil amendment with *Calotropis procera* for the control of *Meoidogyne javanica* infection on eggplant. Pak. J. Nematol, 14(1):55-59.
21. Anwar, M.J. and M. Inam-ul-Haq. 1992. Effect of the Tundo disease on growth and yield of wheat. Pak. J. Phytopathol. 4(1-2):66-69.

22. Some recommendations to get rid from cotton leaf curl virus 1993. *Zari Digest*. 27(3): 15-16.
23. Mango diseases and their control 1996. *Zari Digest* 29/330 (4/1): 48-50.
24. Javed, M., R. Ahmad, M. Inam-ul-Haq and T. Mukhtar, 1994. Effect of soil solarization on the population of root knot nematode *Meloidogyne incognita* and growth of tomato plants. *Pak. J. Phytopathol.* 6(2):115-119.
25. Latif, Zia-ul-Hassan, R. Ahmad and M. Inam-ul-Haq, 1999. Effect of seed treatment with neem cake, neem oil and latex of aak on the germination of cowpea and its vulnerability to root knot nematode *Meloidogyne incognita*. *Pak. J. Phytopathol.* 11(1):52-55.
26. Shahzad, S.A., R. Ahmad and M. Inam-ul-Haq. 1999. Screening of tomato cultivars against root knot nematode, *Meloidogyne incognita*. *Pak. J. Phytopathol.* 11(1):74-76.
27. Ilyas, M.B., M. Inam-ul-Haq and K. Iftikhar. 1991. Screening of chickpea germplasm against *Ascochyta rabiei*. *JAPS* 1(4):219-244.
28. M. Inam-ul-Haq, R. Ahmad and M.Y. Khan. 1999. Evaluation of various concentrations of *Pseudomonas fluorescens* for the biological control of chickpea wilt. Proceeding of 2<sup>nd</sup> National Conference of Plant Pathology, Sept. 27-29, Univ, Agri. Faisalabad. Pages. 293-295.
29. M. Inam-ul-Haq, and R. Ahmad .1999. Evaluation of various methods of application of plant growth promoting rhizobacteria for the biological control of chickpea wilt. Proceeding of 2<sup>nd</sup> National Conference of Plant Pathology, Sept. 1999. Univ, Agri. Faisalabad. Pages. 296-300.
30. Khan, M.M., M.A. Khan, M. Inam-ul-Haq, R. Ahmad and I. Aziz. 1992. Incidence of citrus canker caused by *Xanthomonas compestris pv. citri* in kinnow orchards in Faisalabad. District. Proceedings of the First International Seminar on Citriculture in Pakistan, 2-5. December 1992, Page 311-314.
31. Ahmed, R., M.Z. Kayani, N. Javed and M. Inam-ul-Haq. 1992 Effect of different inoculum levels of citrus nematode *Tylenchulus semipenetrans cobb.* on the growth of seedlings. Proceeding of the First International Seminar on Citriculture in Pak., 2-5. December 1992, Page 319-320.
32. Controlling chickpea diseases. Article published in the daily Newspaper, ‘ The Nation’ on May 21,2000.
33. M. Inam-ul-Haq, R. Ahmad, S.M. Khan and N. Javed. 2001. Use of different strains of *Pseudomonas fluorescens* alone and in combination to suppress Chickpea wilt. *Pak. J. Phytopathol.* 13(2):144-150.

34. M.Inam-ul-Haq, N. Javed, R. Ahmad and A. Rehman. 2003. Evaluation of different strains of *Pseudomonas fluorescens* for the biocontrol of Fusarium wilt of Chickpea. Pak. J. Plant Pathol. 2(1):65-74.
35. M.Inam-ul- Haq, F. Adnan , F.F. Jamil and A. Rehman. 2002. Screening of rice germplasm against *Pyricularia oryzae* and evaluation of various fungitoxicants for the control of the disease Pak. J. Phytopathol. 14(1):32-35.
36. Bajwa,R,J.Z.Naz,S.Mahmood and M.Inam-ul-Haq. 1992.Rhizosphere and rhizospheric studies of *Pinus longifolia*. Pak. J. Phytopathol. 4(1-2):24-27.
37. M.Inam-ul- Haq, N.Javed, R. Ahmad , S.T. Sahi and A. S. Khan. 2002. Effect of seed coating with selected rhizobacterial strains along with different animal manures as organic amendments on the biocontrol of chickpea wilt Pak. J. Phytopathol. 14(2):105-113.
38. Siddiqi, S.A., J.H. Mirza and M. Inam-ul-Haq. 1995.Studies on growth and sporulation of *Fusarium moniliforme* Sheld. the causal organism of bakanae disease of rice. Effect of Nitrogen sources. Pak. J. Phytopathol. 7(2):145-147.
39. M.Inam-ul- Haq, S.M.Khan, N.Javed, S.T. Sahi and A. S. Khan. 2003. Effect of seed coating with selected rhizobacterial strains along with different sawdusts as organic amendments on the biocontrol of chickpea wilt. Pak. J. Phytopathol. 15(1-2):9-16.
40. M.Inam-ul- Haq, J.A.Tariq, N.Javed, N.A.Khan, Imran-ul-Haq, and H.U. Khan. 2003. In-vitro interrelationship between plant growth promoting rhizobacteria and root knot nematode (*Meloidogyne incognita*) and their effect on growth parameters of brinjal. Mycopath 1(2):191-193.
41. M.Inam-ul-Haq, Imran-ul-Haq, S.T.Sahi and Naseem Ahmed.2004. Incidence of bacterial leaf blight of rice (*Oryza sativa*) and in-vitro evaluation of some rhizobacterial strains for the control of *Xanthomonas oryzae pv. Oryzae*. Pak. J. Phytopathol. 16(1):27-30.
42. Maher, S.M., S.T.Sahi, M.U.Ghazanfar, M.Inam-ul-Haq, Y.Iftikhar, M.S.Sarwar and T.Ahmad.2005.Evaluation of different toxicants against *Xanthomonas campestris pv. citri* (Hasse) Dows. International Journal of Agriculture and Biology. 7(1):121-124.
43. N.Javed, M.Inam-ul-haq and H.U.Khan.2005.New host records of root knot nematodes *Meloidogyne* species in Pakistan. Pak.J. Nematol., 23(2):349.
44. N.Javed, M.Inam-ul-Haq and S.Aleem Khan.2005.Mobility of juveniles of root-knot nematode (*Meloidogyne javanica*) through soil amended with neem (*Azadirachta indica A.Juss*) products.Pak. J. Agri. Sci. 42(3-4):58-60.
45. S. Akhtar, M.Inam-ul-haq, M.N.Tahir, S.T.Sahi and M.A.Khan.2005.In-vitro effect of PGPR on the growth of *Macrophomina phaseolina* and *Rhizoctonia solani*, root infecting fungi of Soybean. Pak. J. Phytopathol. 17(2):177-180.

46. M. Inam-ul-Haq, N.Javed., S.U. Cheema., S.Mehmood and S.T.Sahi.2006. Incidence of bacterial leaf blight of rice (*Oryza sativa*) in Gujranwala and Sialkot districts and in-vitro evaluation of various chemicals against *Xanthomonas oryzae* pv. *Oryzae*. Pak. J. Phytopathol. 18(2):124-128.
47. M.Inam-ul-Haq, S.T.Sahi, M.Farooq, M.U.Ghazanfar and M.Naveed.2006. Effect of time on population variation of rhizobacterial strains in the rhizosphere of wilt infected chickpea plants. Pak. J. Phytopathol. 18(2):140-147.
48. Javed,N., S.R.Gowen, M.Inam-ul-haq and S.A.Anwar.2007. Protective and curative effect of neem (*Azadirachta indica*) formulations on the development of root-knot nematode *Meloidogyne javanica* in roots of tomato plants. **Crop Protection.26 (2007):530-534.**
49. Javed,N., S.R.Gowen, M.Inam-ul-haq, K.Abdullah and F. Shahina.2007. Systemic and persistent effect of neem (*Azadirachta indica*) formulations against root-knot nematodes *Meloidogyne javanica* and their storage life. **Crop Protection. 26(2007) 911-916.**
50. M.Inam-ul-Haq, S.R.Gowen, N.Javed, F.Shahina,M.Izhar-ul-Haq, N.Humayoon and B.Pembroke.2007. Antagonistic Potential of Bacterial isolates Associated With Entomopathogenic Nematodes Against Tomato Wilt caused by *Fusarium oxysporum f.sp. lycopersici* under Greenhouse Conditions. **Pak. J. Botany. 39(1): 279-283.**
51. N.Javed, S.A.Anwar, M.Inam-ul-Haq and R.Ahmed.2007. Mortality of second stage juveniles of *Meloidogyne javanica* by aqueous and Ethanol neem extracts. Pak. J. Nematology. 25(1): 181-187.
52. M.B.Ilyas, T.Naveed, M.Inam-ul-Haq,N.Javed and S.M.Mughal. 2007. Chemotherapeutic Control of Postharvest Decay of Kinnow mandarin and Lemon Caused by *Penicillium digitatum* Wehmer. **Pak. J. Botany. 39(3): 961-965.**
53. N. Javed, Said El-Hassan, S.Gowen, B.Pemproke and M.Inam-ul-Haq.2008.The potential of combining *Pasteuria penetrans* and neem (*Azadirachta indica*) formulations as a management system for root-knot nematodes on tomato. **European Journal of Plant Pathology. 120:53-60..**
54. Javed,N., S.R.Gowen, S.A. El-Hassan, M.Inam-ul-Haq, F.Shahina and B. Pembroke.2008. Efficacy of neem (*Azadirachta indica*) formulations on biology of root-knot nematodes (*Meloidogyne javanica*) on tomato. **Crop Protection. 27(2008) 36-43.**
55. N. Javed, Makky Javed, M. B. Ilyas, M.M. Khan AND M. Inam-ul-haq.2008.Reaction of various citrus root stocks (germplasm) against citrus root nematode (*Tylenchulus semipenetrans* cobb.) **Pakistan Journal of Botany., 40(6): 2693-2696.**



56. M.Inam-ul-Haq, Said El-Hassan, S.R.Gowen, N.Javed. 2009. Effects of two rhizobacterial isolates and neem cake application on control of chickpea wilt caused by *Fusarium oxysporum f. sp. ciceris*. **Arab Journal of Plant Protection. 1):103-110.**
57. M. Inam-ul-Haq, N.Javed ,M.Ahsan Khan, M.J.Jaskani, M.M.Khan, H.U.Khan, G.Irshad and S.R.Gowen .2009. Role of temperature, moisture and *Trichoderma species* on the survival of *Fusarium oxysporum ciceri* in the rainfed areas of Pakistan. **Pakistan Journal of Botany. 41(4):1965-1974.**
57. N.A.Khan,M.Inam-ul-haq and M.Asam Khan.2009. Growth comparison of local and exotic syntains of Oyster mushrooms on different agricultural wastes. Pak. J. Phytopathol. 21(2):139-143.
58. Azhar Mustfa,M.A.Khan,M.Inam-ul-haq,S.H.Khan and M.Asam Pervez.2009. Mass multiplication of *Trichoderma spp* on organic substrate and their effect in management of sed borne fungi.Pak. J. Phytopathol. 21(2):108-114.
59. N.A. Khan, M.Inam-ul-haq and M.A.Khan.2008.Little Wonders.Nutritional Value of Oyster Mushroom and its cultivation on paddy straw. **Nation**, July20,2008 :36
60. N.A.Khan, M.Inam-ul-haq, M.Asam Khan and M.Mumtaz Khan.2010. Use of different cellulosic wastes for production of Oyster mushroom. Pak. J. Phytopathol. 22(1):58-62.
61. Imran ul Haq, M. Asam Khan and M. Inam ul Haq.2011.Proximate analysis of different agricultural wastes used for the cultivation of *Volvariella volvacea*. Pak. J. Phytopathol. 23(2):148-151.
62. N.A.Khan, M.Ajmal, M.Inam-ul-haq,, N.Javed,M.Asif Ali, Rana Binyamin and S.A.Khan.2012.Impact of sawdust using various woods for effective cultivation of Oyster mushroom. **Pak. J. Botany. 44(1): 399-402.**
63. S.Farah, M.Inam-ul-Haq, M.I.Tahir and S.M.Mughal. 2012. Screening of sesame germplasm for resistance against the bacterial blight caused by *Xanthomonas campestris pv sesame*. **Pak. J. Agri. Sci. 49(2):131-134.**
64. S. Iqbal, M.Ashfaq, H.Shah, M.Inam-ul-Haq and Aziz-ud-Din. 2012. Prevalence and distribution of Cucumber Mosaic Virus (CMV) in major chilli growing areas of Pakistan. **Pakistan Journal of Botany.44(4):1749-1754.**
65. S. Hassan, M.Inam-ul-Haq, M.I.Tahir and Zahid Ali. 2012. *In vitro* investigations on host specificity of *Ralstonia solanacearum* among solanaceous crops and its biological control in tomato. **Crop Protection** (Submitted vide manuscript No.CROPRO-D-12-00395).

66. M.Inam-ul-Haq, N.Javed, Zahid Ali and S. Woodward. 2012. Application of fungal antagonist and neem cake in the management of cabbage wirestem caused by *Rhizoctonia solani* under glasshouse conditions. **Plant Biosystem (Submitted for publication)**.
67. M. Inam-ul-Haq, S. Mehmood, H. M. Rehman, Z. Ali and M.I. Tahir. 2012. Incidence of root rot diseases of soybean in Multan Pakistan and its management by the use of plant growth promoting rhizobacteria **Pak. J. Bot.** 44(6):2077-2080