

Curriculum Vitae

1. PERSONAL INFORMATION

Name	Ishrat Naz (Female)
Father's Name	Said Akbar
Date of Birth	Jan 09, 1978
NIC#	17201-2017473-2
Religion	Islam
Marital Status	Single
Mobile No	03329322581
Address at the organization	Department of Plant Pathology, The University of Agriculture, Peshawar-25130, Khyber Pakhtunkhwa, Pakistan
E-mail	Ishratro@hotmail.com ; Ishratnaz@aup.edu.pk
Specialization	Plant Pathology (Nematology)
Area of interest	Management of root knot and other plant parasitic nematodes through allelopathy and plant derived natural products, Molecular characterization and identification of root knot nematodes, Natural product isolations, characterization and developing novel nematocidal phytochemicals. Studying the biology and epidemiology of root infecting fungi and developing strategies for managing fungal root pathogens.

2. ACADEMIC QUALIFICATION

Qualification	Year	Subject	Marks/CGPA	Grade/Division	Institution/Board
Ph.D	2009-2012	Plant Pathology (Nematology)	3.95/4.00 (93.0%)	A ⁺	The University of Agriculture Peshawar, Khyber Paktunkhwa
M.sc (Hons)	2005-2007	Plant Pathology (Mycology)	3.95/4.0 (95.0%)	A ⁺ (Faculty Silver Medal)	The University of Agriculture Peshawar, Khyber PAKtunkhwa
B.Sc (Hons)	1997-2001	Plant Pathology	3.87/4.0 (90.0%)	A ⁺ (University Bronze Medal)	The University of Agriculture Peshawar, Khyber PAKtunkhwa
F.Sc	1996-1997	Pre Medical	836/1100 (76.0%)	A	Board of Intermediate and Secondary Exam (B.I.S.E), Peshawar
SSC	1994	Science group	663/850 (78.0%)	A	(B.I.S.E), Peshawar

3. TEACHING, RESEARCH and ADMINITRATIVE EXPEIENCE:

1. 11 years and 04 months (Teaching and Research)
2. Served as an Assistant Warden Girls Hostel w.e.f. 23-09-2014 and currently serving as Warden Girls Hostel w.e.f 22-09-2015 till todote.

S.No	Post held	BPS	Regular	Period	
				From	To
01	Lecturer	18	Regular	26-06-2014	To date
02	Research Officer	17	Regular	19-01-2005	25-06-2014
03	Hostel Warden			Sept, 2014	To date

(Administration)				
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4. COURSES TAUGHT:

Course Code	Course Title	Level (Undergrad and Post graduate)
PPL-707	Molecular-Plant Microbe Interaction	Fall, 2015; Ph.D
PP-511	Introduction to molecular Plant Pathology	Fall, 2015 (B.Sc Hons)-III
PP-613	Pesticides, their action and application	Fall, 2015; B.Sc (Hons)-IV
PP-612	Plant Disease Diagnosis	Spring, 2015; B.Sc (Hons)-IV
PP-511	Introduction to Molecular Plant Pathology	Fall, 2014; B.Sc (Hons)-III
PP-613	Pesticides, their action and application	Fall, 2014; B.Sc (Hons)-IV

5. ADVISORY SERVICES:

1. Providing advisory services to the farmers and local growers. Disease samples are analyzed at the Department of Plant Pathology and recommendations are being made.
2. Studied the biology and epidemiology of plant diseases prevailing in ARI, Tarna, and farmer's fields at KPK
3. Served as Farm Manager in the Vegetable Botany Section at ARI, Tarnab from Jan, 2007 to Feb, 2009

6. STUDENTS SUPERVISED:

Name of students	Supervisor	Co-supervisor	Research Title
Sarir Ahmad	-	M.Sc (Hons) (2013-2014)	Effect of different plant extracts/oils against <i>Meloidogyne incognita</i> (Kofoid and White) Chitwood in tomato
Jalalud-Din	-	M.Sc (Hons) (2013-2014)	Biological control of root knot nematodes in Brinjals
Muhammad Ismail	-	M. Sc(Hons) (2013-2014)	Integrated Management of Root Knot Nematodes <i>Meloidogyne incognita</i> (Kofoid and white) Chitwood in tomato (<i>Lycopersicon esculentum</i>).
Tauheed Ali	M.Sc(Hons) In progress (2014-2015)	-	Incidence and Prevalence of brinjal root knot nematodes in Peshawar Valley and their control through resistance
Ifra	M.Sc(Hons)	2015-2016	Survey of rot knot nematodes and its management through resistance screening
Ribwa	M.Sc(Hons)	2015-2016	Phytochemical screening of <i>Artimisia</i> spp., and management of root knot nematodes, <i>M. incognita</i> in tomato

7. ACADEMIC RESEARCH:

B.Sc (Hons):

- Biology and epidemiology of citrus viruses in Pakistan
- Biology and epidemiology of sugarcane mosaic virus

M.Sc (Hons):

- Effect of various sowing dates and cultivars on the management of okra root rot

Ph.D:

- Molecular characterization and allelopathic management of *Meloidogyne incognita* (Kofoid and White) Chitwood in tomato.

8. DISTINCTIONS

1. Awarded foreign scholarship for six months (14-08-2011 to 14-02-2012) for pursuing PhD research at the James Hutton Institute, Scotland-UK under the **International Research Support Initiative Program (IRSIP)** sponsored by the Higher Education Commission of Pakistan (HEC).
2. Awarded **Indigenous Ph.D Scholarship** (Batch-IV) by the Higher Education Commission of Pakistan from November, 2010 until Dec, 2013.
3. Awarded XVIIIITH STAR AWARDS 2007 (**Star Laureate 2007**) in recognition of outstanding achievements in the field of Agriculture by South Asian Publication.
4. Awarded Certificate of Merit and **Faculty Silver Medal** for obtaining second position in M.Sc (Hons) Agriculture during the session 2006-2007 by the NWFP Agricultural University, Peshawar.
5. Awarded Certificate of Merit and **University Bronze Medal** for obtaining third in B.Sc (Hons) Agriculture during the session 1997-2001 by the NWFP Agricultural University, Peshawar.
6. Awarded Certificate of Merit for obtaining 1st position B.Sc (Hons) Agriculture in the Faculty of Crop Protection Sciences, NWFP Agricultural University, and Peshawar.
7. Awarded Certificate of Merit for obtaining 1st position B.Sc (Hons) Agriculture in the Department of Plant Pathology of Crop Protection Sciences, NWFP Agricultural University, and Peshawar.
8. Awarded Academic distinction certificate 1999-2000 for standing 1st in BSc (Hons)-II by the student Welfare Council NWFP Agricultural University Peshawar.
9. Awarded certificate of top ten merit scholarship holders.
10. Awarded certificate of Merit for obtaining “1st Position in F.Sc-II Annual Examination held in 1997” by the Govt. Girls Degree College Nowshera.
11. Awarded certificate of Merit for obtaining “2nd Position in the SSC Examination District Nowshera for the year 1994” by the District Education Officer Female Nowshera.
12. Awarded shield entitled “Best Performance in the field of education and literacy” on the Independence Day, 2002 by the Nazim Union Council, Akora Khattak, District Nowshera.

9. PUBLICATIONS (18):

1. Din, N., M. Ahmad., M. Siddique., A. Ali., **I. Naz.**, N. Ullah and F. Ahmad. **2016**. Phyto-biocidal management of bacterial wilt of tomato caused by *Ralstonia solanacearum* (Smith) Yabuuchi. Spanish Journal of Agriculture Research. (IF = 0.73)
2. Rashid, M. U., M. Alamzeb., S. Ali., A. Ali. **I. Naz.** A. A. Khan., D. Semann and M. R. Khan. **2016**. A new regular monoterpene acetate with eight known compounds with antifungal potential from aerial parts of *Artemisia incisa* Pamp (Asteraceae). Natural Product Research. DOI. 10.1080/14786419.2016.1185718 (IF = 0.99)
3. **Naz, I.**, Saifullah, A., I. Munir., M. Ahmad., A. Ali., A. Sultan., J. E. Palomares-Rius., S. Ali and I. Ahmad. **2016**. *Cis- and trans*-protopinium a novel nematicide for the eco-friendly management of root knot nematodes. Crop Protection. 81: 138-144. (IF = 1.5)

4. **Naz I**, Saifullah, J. E. Palomares-Rius, S. Hussain, Israr Ali, S. Ali, Hasina Gul, M. Saeed and S. M. Khan. **2016**. Synergistic nematicidal effect of nonacosane-10-ol and 23a-homostigmast-5-en-3 β -ol on *Meloidogyne incognita* (Kofoid and White) Chitwood. Journal of Animal and Plant Science. **(Accepted) (IF = 0.57)**.
5. **Naz I**, Saifullah, J. E. Palomares-Rius, S. M. Khan, S. Ali and A. Baig. **2015**. Sustainable management of the Southern Root-knot nematode, *Meloidogyne incognita* (Kofoid and White) Chitwood, by amendments of *Fumaria parviflora*. International Journal of Agriculture and Biology. 17: 289-296 **(IF = 0.902)**.
6. **Naz I**, Saifullah, J. E. Palomares-Rius, S. M. Khan, A. Khan and S. Ali. **2015**. Control of Southern Root knot nematode *Meloidogyne incognita* (Kofoid and White) Chitwood on tomato using green manures of *Fumaria parviflora* Lam (Fumariaceae). Crop Protection. 67:121-129 **(IF = 1.539)**.
7. **Naz, I.**, Saifullah, M. R. Khan., S. Ali and S. M. Khan. 2013. Antibacterial activity of secondary metabolites from *Fumaria parviflora* (Fumariaceae). International Journal of Pharmaceutical Sciences Review and Research. 23(1): 29-36. ISSN 0976 – 044X. **(Impact Factor = 2.19)**
8. **Naz, I.**, Saifullah and M. R. Khan. 2013. Nematicidal activity of nonacosane-10-ol and 23a-homostigmast-5-en-3 β -ol isolated from the roots of *Fumaria parviflora* (Fumariaceae). Journal of Agriculture and food chemistry. 61: 5689-5695. **(Impact factor = 3.107)**
9. **Naz, I.**, J.E. Palomares-Rius, Saifullah, V. Blok, M.R. Khan and S. Ali. 2013. *In vitro* and *in planta* nematicidal activity of *Fumaria parviflora* (Fumariaceae) against the southern root-knot nematode *Meloidogyne incognita*. Plant Pathology. 62: 943-952. **(Impact factor: 2.97)**
10. **Naz, I.**, H. Khan, A. Ali, A. Hussain and M. Tahir. 2009. Effect of various sowing dates and cultivars on the management of okra root under natural field Conditions. Sarhad J. Agric. 25 (2): 251-260.
11. **Naz, I.**, J. E. Palomares-Rius, V. Blok, Saifullah, S. Ali and M. Ahmed. 2012. Prevalence, incidence and molecular identification of root-knot nematodes of tomato in Pakistan. African Journal of Biotechnology. 11(100): 16546-16556. **(Impact factor = 0.57)**
12. **Naz, I.**, Saifullah, J.E. Palomares-Rius, V. Blok, M. Ahmad and S. Ali. 2013. Species identification of root knot nematodes in Pakistan by Random Amplified Polymorphic DNA (RAPD-PCR); Sarhad Journal of Agriculture. 29(1): 71-78.
13. **Naz, I.**, M. Ahmad, S. Alam, M. Tahir and F. Raziq. 2007. Control of Root and Collar Rot Disease, A Serious Threat To Chillies Production in NWFP. Sarhad J. Agric. 23 (2): 450-453.
14. Raziq, F, I. Alam, **I. Naz** and H. Khan. 2008. Evaluation of Fungicides for Controlling Downy mildew of Onion under field conditions. Sarhad J. Agric. 24 (1): 85-91.
15. Khan, H, **I. Naz**, M. Ahmad, S. Hussain and F. Raziq. 2006. Chemical Control of Root and Collar Rot of Chillies. Sarhad J. Agric.
16. Khan, A, A. Bano, J. Bakht, N. J. Malik, **I. Naz**. 2009. Effect of sowing genotypes on pod yield and its attribute in ground nut under sub mountainous condition of Northern NWFP (Swat Valley). Sarhad. J. Agric. Vol 25 (4): 537-543.
17. Khan, A, A. Bano, J. Bakht, N. J. Malik, **I. Naz**. 2009. Response of exotic ground nut genotypes to environmental diversity at higher altitude of Northern Pakistan. Sarhad. J. Agric. Vol 25 (4): 545-550.
18. Beena, S., H, Gul, S. Anwar, A, Khan, A. Khurshed, S, Ali and **I. Naz**. 2012. Performance of wheat varieties sown under solid and skip row geometry. ARPN Journal of Agricultural and Biological Science. 7(7): 545-548.

10. CONFERENCES ATTENDED/ABSTRACTS PUBLISHED:

1. **Naz, I.**, Saifullah., J. E. Palomares-Rius, S. Ali and S. M. Khan. Abstract. Nematicidal activity of the *n*-hexane root fractions of *Fumaria parviflora* Lam against *Meloidogyne incognita* (Kofoid and White) Chitwood. In an **International conference** of Pakistan Phytopathological society “Climate change and Plant diseases: Challenges and Opportunities”. January 23-25, 2014. University of Karachi, Karachi, Pakistan (Local).
2. **Naz, I.**, Saifullah, M. R. Khan, S. Ali and S. M. Khan. Abstract. Antibacterial activity of secondary metabolites from *Fumaria parviflora* Lam. (Fumariaceae). In an **International Conference** on the Applications of Molecular Biology in Medicine and Agriculture. August 20-22, 2013. Department of Biochemistry, Quaid-i-Azam University, Islamabad (Local).
3. **Naz, I.**, Saifullah, V. Blok, A. Khan and Z. Ahmad. 2013. Abstracts. PCR-RFLP Detection of Root Knot nematode species in Khyber Pakhtunkhwa, Pakistan. In first **National Conference** on Prospects and Opportunities for Agricultural Development in Pakistan. 25-27 June, 2013, Department of Agriculture, The University of Haripur. Haripur (Local).
4. **Naz, I.**, J. E. Palomares-Rius, V. Blok, Saifullah, S. Ali and M. Ahmed. 2012. Abstracts. Diversity, prevalence, incidence and molecular identification of root-knot nematodes of tomato in Pakistan. In an **International Conference** on climate Change: A challenge for Agriculturists. 28-30, May, 2012, the University of Agriculture, Peshawar (Local).

Monograph/Books Published:

Naz, I., A. Khan and S. Ali. 2011. Effect of various sowing dates and cultivars on the management of okra root rot. LAP Lambert Academic publishing.

11. PAPERS SUBMITTED:

19. Ahmad, I., M. Ahmad, I. Munir, Saifullah and **I. Naz**. 2015. Management of Bacterial Soft Rot (*Erwinia carotovora susp. carotovora*) of tomato through spent mushroom compost. Crop Protection. (Under Review).
20. **Naz, I.**, J. E. Palomares-Rius and Saifullah. 2015. Biological control agents and semi endoparasitic nematodes. Biological control (Under Review).
21. Ahmad, F., Fazli Raziq, **I. Naz**, N. Din, N. Ullah. 2015. Allelopathic management of early blight of tomato caused by *Alternaria solani* (Ellis and Martin) Jones and Grout. Crop Protection (Under Review).
22. Ahmad, S., I. Naz, I. Khan, B. Safia, M. Ismail and J. Din. 2015. Exploitation of naturally occurring nematicides against *Meloidogyne incognita* (Kofoid and White) Chitwood in tomato. Crop Protection (with editor).

12. PUBLICATIONS (In preparation):

23. J.E. Palomares-Rius, **I. Naz**, A. Archidona-Yuste, C. Cantalapiedra-Navarrete¹ and P. Castillo. 2015. *Endosymbionts in plant-parasitic nematodes: their possible role in plant pathology and evolution*. A Review (In preparation).
24. Ismail, M., M. Anwar and I. Naz. 2015. Integrated management of root knot nematodes, *Meloidogyne incognita* (Kofoid and White) Chitwood in tomato (*Lycopersicon esculentum*) (In Preparation).
25. Din, J., Farmanullah and I. Naz. 2015. Biological control of root knot nematodes in Brinjals (In preparation).

13. TRAININGS /WORKSHOPS:

a) International:

S.No	Description	Institution	From	To
01	Molecular Diagnostics of Root knot nematodes and a training on GCMS analysis for identification of compounds in <i>Fumaria parviflora</i> under “International Research Support Initiative Program (IRSIP) by HEC, Pakistan	James Hutton Institute (JHI) , Invergowrie, Dundee, Scotland	15-08-2011	13-02-2012

b) National

S. No	Description	Institution	From	To
1	“Project formulation Workshop” sponsored by Pakistan Science Foundation and The University Of Agriculture, Peshawar	The University of Agriculture Peshawar	27-04-2016	28-04-2016
2	Importance of medicinal plants, an emerging need-based technology of Khyber Pakhtunkhwa under the project Strengthening outreach Coordinated Activity (SORCA).	Pakistan Forest Institute, Peshawar University	07-05-2015	08-05-2015
3	Hostel Management under the Higher Education Commission Islamabad	The University of Agriculture, Peshawar	20-04-2015	21-04-2015
4	24 th Master Trainers-Faculty Professional Development Program	Learning Innovative Division, Higher Education Commission, Islamabad	25-02-2015	17-04-2015
5	One-dy Training as Presiding officer-LGE,KPK	Election Commission Office, Peshawar	31-05-2015	One day
6	Home scale production of edible mushrooms under the project Strengthening outreach Coordinated Activity (SORCA).	Agricultural Research Institute (ARI), Tarnab, Peshawar	07-05-2014	08-05-2014
7	Kitchen Gardening and Nursery Raising for poor females of Peshawar City	Agricultural Research Institute Tarnab, Peshawar, Khyber Pakhtunkhwa	28-05-2014	28-05-2014
8	Home scale production of rose water for females of Peshawar City”	Agricultural Research Institute Tarnab, Peshawar, Khyber Pakhtunkhwa	27-03-2014	27-03-2014
9	Safe storage of seeds and grains of field crops” under the project Strengthening Outreach Coordinated activity (SORCA)”.	Agricultural Research Institute Tarnab, Peshawar, Khyber Pakhtunkhwa	05-03-2014	05-03-2014
10	Statistical Analysis under the project Strengthening Outreach Coordinated activity (SORCA).	The University of Agriculture, Peshawar	16-12-2013	17-12-2013

11	1 st National Conference on Prospects and Opportunities for Agricultural Development held at Khanisapur, Ayubia	Department of Agriculture, University of Haripur, Khyber Pakhtunkhwa.	25-06-2013	27-06-2013
12	International Symposium on Institutional linkages for Agriculture Development in Pakistan	The University of Agriculture, Peshawar, Khyber Pakhtunkhwa	20-12-2010	21-12-2010
13	Development of sustainable and collaborative research networks.	The University of Agriculture, Peshawar, Khyber Pakhtunkhwa	29-09-2-10	30-09-2010
14	Climate change and its impact on food security	The University of Agriculture, Peshawar, Khyber Pakhtunkhwa	19-05-2010	20-05-2010
15	Nematological techniques	National Nematological Research Center, Karachi.	18-01-2010	28-01-2010
16	Advanced Research Techniques and Research Management in Life sciences	British council-HEC Joint program at KPK Agricultural University	11-03-2009	12-03-2009
17	Use of Nuclear and other Techniques in Food and Agricultural Research	NIFA, Peshawar	3-11-2008	14-11-2008
18	Plant Protection and Horticultural Management Techniques	ARI, Tarnab, Peshawar	17-11-2008	21-11-2008
19	Apiculture Training Course	ARI, Tarnab, Peshawar	24-03-2008	28-03-2008
20	Training of fruits and vegetable growers on marketing and export	ARI, Tarnab, Peshawar	19-06-2008	20-06-2008
21	Olive Cultivation Systems, Cultivation Techniques, Nursery, Harvest and Post-Harvest	ARI, Tarnab, Peshawar	19-11-2007	20-11-2007
22	International Training workshop on Nematode Identification	NNRC, Karachi University, Karachi	22-10-2007	03-11-2007
23	Newly Inducted Scientists	Agricultural Research Institute, Tarnab, Peshawar	11-06-2007	16-06-2007
24	Research Techniques in Nematology	The University of Agriculture, Peshawar	03-05-2007	09-05-2007
25	Office Automation	Staff Training Institute (STI), Estt: Dept Government of NWFP	08-08-2005	22-08-2005

26	Training Workshop for newly recruited research specialists	Directorate of Outreach Agricultural Research system	14-04-2005	16-04-2005
27	The mushroom cultivation course	The University of Agriculture, Peshawar, Khyber Pakhtunkhwa	8-03-2000	9-03-2000
28	Teaching Experience Certificate	Iqra School and College for Girls	01-09-2002	21-01-2005
29	Regular Lab Technologist	Awami Lab, Akora Khattack	01-01-1996	28-02-1997

14. Reviewer (Peer Reviewed Journals):

1. Crop protection
2. Canadian Journal of Microbiology
3. Sarhad Journal of Agriculture

15. EXTRACURRICULAR ACTIVITIES:

1. Awarded certificate of Merit for obtaining “2nd Position in the Entomological Quiz Competition held on May 4, 1999” by the Department of Economics Entomology, NWFP Agricultural University Peshawar.
2. Awarded certificate for obtaining “1st Position in class presentation held on 16-11-1998” by the Department of Plant Pathology NWFP Agricultural University Peshawar.
3. Awarded certificate for participating in speech competition on “Research of Plant Pathogens to the chemicals, its pros and cons” held on 05-04-2000 by the Department of Plant Pathology NWFP Agricultural University Peshawar.
4. Awarded certificate of Honor in a speech contest held on May 18, 2002 under the topic “Agriculturally Advanced Pakistan in the 21st Century” by the Farabi Science Club NWFP Agricultural University Peshawar.
5. Awarded Merit certificate for obtaining “4th position in the Hobbies and Poster Competition” held on 26th Oct, 2000 by the Student Environmental Club, NWFP Agricultural University Peshawar.
6. Awarded Certificate of Honor for participating in “Poster competition” held on 23-05-2002 by the Agri Anti Narcotics Society, NWFP Agricultural University Peshawar.

Memberships:

American Chemical Society
Pakistan society of Nematologists
Pakistan Phytopathological society
Pakistan Botanical Society