CURRICULUM VITAE

OF

PROF. DR SAIFULLAH

Department of Plant Pathology, The University of Agriculture, Peshawar-Pakistan

Name	**DR. SAIFULLAH**
Designation	Professor (BPS-21)
Father's Name	Abdul Kafi
Date of Birth	January 08, 1961
Domicile	Mardan (NWFP, Pakistan)
Religion	Islam
Nationality	Pakistani
Marital status	Married
Contact Address	Department of Plant Pathology, NWFP Agricultural University, Peshawar.

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abdulkafi.saifullah@gmail.com

B I O G R A P H Y

Degree/Certificate	Year	Board / University
Matriculation	1977	BISE Peshawar
F.Sc.	1979	University of Peshawar
B.Sc. (Hons) Agri.	1982	NWFP Agricultural University, Peshawar
M.Sc. (Hons) Agri. (Plant Breeding & Genetics)	1985	NWFP Agricultural University, Peshawar

M.Sc. (Hons) Agri. (Plant Pathology)	1988	NWFP Agricultural University, Peshawar
Ph.D. (Plant Path.)	1996	University of Wales Aberystwyth Dyfed, U.K

Thesis Research Projects

Degree	**Title**
Ph D	Studies on the biological control of Potato cyst nematodes with fungi
M Sc (Hons) (Plant Breeding & Genetics)	Distribution and reaction of wheat varieties to the seed gall nematode *Anguina tritici* (Steinbuch) Filipjev.
M Sc (Hons) (Plant Pathology)	Efficacy of *Paecilomyces lilacinus* against golden Nematode (*Globodera rostochiensis*) of Potatoes.

AREA OF SPECIALIZATION

Phytonematology, Biological Control, Mushroom cultivation, Basic & Applied Plant Pathology

DISTINTION / AWARDS RECEIVED

1. Silver Medal in 1987
2. Central Overseas Training award (C.O.T.) for 4 years (1992-96) in Pakistan
3. Overseas Research Students award (O.R.S.) for 2 years (1993-95) in U.K.

TEACHING AND RESEARCH EXPERIENCE: More than 26 years

Administration:

1. Worked as Chairman Department of Plant Pathology Agricultural University Peshawar for more than **six years**
2. STAFF PROCTOR Agricultural University Peshawar **FOR ONE YEAR**

SERVICE RECORD

Position	Held from	Department	Job Description
Professor (BPS-21)	13/01/2007	Department of Plant Pathology NWFP Agricultural University Peshawar, Pakistan	Teaching, Research, Outreach, & Administration
Professor (BPS-20)	12/04/2003	Department of Plant Pathology NWFP Agricultural University Peshawar, Pakistan	Teaching, Research Outreach & Administration
Associate Professor (BPS-19)	01/09/2000	Department of Plant Pathology NWFP Agricultural University Peshawar, Pakistan	Teaching, Research, Outreach & Administration
Assistant Professor (BPS-18)	26/03/1998	Department of Plant Pathology NWFP Agricultural University Peshawar, Pakistan	Teaching, Research & Outreach
Lecturer (BPS-17)	10/09/1985	Department of Plant Pathology NWFP Agricultural University Peshawar, Pakistan	Teaching, Research & Outreach

PROFESSIONAL COURSES TAUGHT

Course #	Cred.H	Course Title	Class
PPL-805	4(3+1)	Advances in Nematology	Ph. D

PPL- 733	4(3+1)	Biology and cultivation of edible fungi	Ph D
PPL-729	4(3+1)	Seed Pathology	M. Sc (Hons) Prev.
PPL-723	4(3+1)	Plant Disease Diagnosis	M. Sc (Hons) Prev.
PPL-610	4(3+1)	Phytopathology	B. Sc (Hons) Part-IV
PPL- 604	4(3+1)	Vegetables & Fruit diseases	B. Sc (Hons) Part-IV
PPL- 612	4(3+1)	Introductory Nematology	B. Sc (Hons) Part-IV
PPL-504	3(2+1)	Clinical Plant Pathology	B. Sc (Hons) Part-III
PPL- 411	3(2+1)	Introductory Plant Pathology	B. Sc (Hons) Part -1st
PP- 602	3(1+2)	Plant Disease Diagnosis	M. Sc (Hons) Prev.
PP-705	3(2+1)	Plant Nematology	M. Sc (Hons) Prev.

SUPERVISION OF B.SC (HONS) STUDENTS REVIEW PAPERS:

NO.	NAME OF STUDENT	DATE.	TITLE.
1.	Shaukat Hussain	June,1986	Fungal diseases of maize.
2.	Kishwar Ali	Mar, 1987	Biological control of plant diseases.
3.	Qaiser Alam Khan	Apr, 1987	Viral diseases of tomato.
4.	Iftikhar Ali	May, 1987	Biological control of plant parasitic nematode.
5.	Iftikhar Khattak	Apr, 1989	Soft rot of potato.
6.	Hafiz Javed Akbar	May, 1989	Powdery mildew of cucurbits.
7.	Javed Iqbal	Aug, 1989	Fusarium wilt of tomato.
8.	Fazli Raziq	Feb, 1990	Breeding for resistance against

			plant parasitic nematodes.
9.	Baharullah Khattak	Oct, 1998	Disease complexes due to the interaction of nematodes, fungi and bacteria.
10.	Irfan-ud-Din	Feb, 2000	Casing layer and its function in mushroom nutrition.
11.	Nadia Jabeen	Apr, 2000	Effect of substrate nutrition on yield of shiitake mushroom (Lentinus edodes).
12.	Irfan Ahmad Jamal	June, 2000	Biological control of insects with entomopathogenic nematodes.
13.	Attaullah	Dec., 2001	Growing Morchella spp.
14.	Zahid Iqbal	Jan., 2002	Development of liquid culture for Mushroom spawn

RESEARCH PROJECTS SUPERVISED FOR PH D/M PHIL. IN PLANT PATHOLOGY

S. No.	**Name of Student**	M. PHIL./ PH D/	**Year**	**Title of work**
1	Zufiqar Ali	M. Phil	1988	Effect of soil organic amendments on root-knot nematode (*Meloidogyne* spp.) associated with tomato (*Lycoperiscon esculentum* Mill)
2	S. Farhat Ali Shah	M. Phil	1988	The effect of organic amendments & fertilizer on root-knot nematodes (*Meloidogyne* sp.) of tomato (*Lycopersicon esculentum* Mill)
3	Asif ur Rehman	M. Phil	1991	Survey of plant parasitic nematodes associated with pea plants in Peshawar Region.
4	Jehangir Khan	M. Phil	1990	Studies on fungi causing post harvest rots of apples in Peshawar and Swat region

5	Siddique Akbar	M. Phil	1991	Survey of plant parasitic nematodes associated with cabbage in Peshawar Region.
6	Asar Khan	M. Phil	1991	Evaluation of potato varieties for resistance against golden cyst nematode (*Globodera rostochiensis* W.)
7	Farhad Ali	M. Phil	1992	Relative efficiency of organic amendments, nematicides & bio-control agent against potato cyst nematode.
8	Muhammad Karimullah	M. Phil	1992	Varietal reaction of different tobacco cultivars against root-knot nematode (*Meliodogyne javanica*)
9	Jalal-ud-Din	M. Phil	1999	Efficacy of *Paecilomyces lilacinus* and nematicides against root-knot nematodes of tomato.
10	Nazir-ud-Din	M. Phil	1999	Screening tomato germplasm for resistance to root-knot nematodes
11	Baharullah	M. Phil	2001	Biological control of root knot nematode with *Trichoderma harzianum* in tomato.
12	Irfan ud Din	M. Phil	2003	Efficacy of *Trichoderma harzianum* and spent mushroom compost against root-knot nematode
13	Miss Nadia Jabeen	M. Phil	2003	Substrates evaluation for growing *Agaricus bisporus*, the white button mushroom from culture to spawn production
14	Mian Abdul Qadir	M. Phil	2003	Effect of pasteurization on the control of fungal pathogens of compost for growing *Agaricus bisporus*, the button mushroom
15	Zahid Hussain	M. Phil	2003	Effect of pasteurization on the control of fungal pathogens of casing materials for growing *Agaricus bisporus,* the button mushroom
16	Zahoor Ahmad	M. Phil	2007	Studies on the chemical and biological methods for the management of Fusarium root rot of okra
17	**Baharullah Khattak**	**PhD**	**2008**	Biological management of root knot Nematode *Meloidogyne javanica* (Treub) with *Trichoderma harzianum* Rifai in tomato
18	Muhammad Aamir Younas	M. Phil	2009	EFFECT OF PHYTOBIOCIDES ON THE MANAGEMENT OF ROOT-KNOT NEMATODES IN TOMATO
19	Haroon Ur Rasheed	M. Phil	2011	MOLECULAR IDENTIFICATION AND PHYTOBIOCIDAL MANAGEMENT OF TOMATO ROOT KNOT NEMATODE, *MELOIDOGYNE JAVANICA*
20	**Muhammad Naziruddin**	**PhD**	**2012**	BIOLOGICAL MANAGEMENT OF ROOT KNOT NEMATODE *Meloidogyne incognita* (Kofoid and White) WITH *Verticillium chlamydosporium* (Goddard) IN TOMATO"
21	Sabina	M. Phil	2012	ORGANIC MANAGEMENT OF ROOT KNOT NEMATODES IN TOMATO WITH SPENT MUSHROOM COMPOST
22	Alvina	M. Phil	2012	PHYTOBIOCIDAL MANAGEMENT OF ROOT KNOT EMATODES IN TOMATO
23	**Ishrat Naz**	**PhD**	**[Res. In progress]**	STUDIES ON THE ORGANIC MANAGEMENT OF ROOT KNOT NEMATODE, *Meloidogyne incognita* (KOFOID AND WHITE)

				CHITWOOD IN TOMATO WITH *Fumaria parviflora* L., A MEDICINAL WEED
24	**Murad Ali**	**PhD**	**[Res. In progress]**	Management of root knot nematodes with sugarcane wastes

Supervision of Students Internship Program:

1. Supervised the Under graduates Internship Program-

	Name of Student	**Degree**	**Title of Work**
1	Kamran Ullah	Plant Pathology	Effect of Caraluma, ginger and turmeric on the management of root knot nematodes
2	Alvina Naz	Plant Pathology	Studies on the nematicidal effect of spent compost of oyster mushroom against root knot nematodes
3	Sabina	Plant Pathology	Studies on the nematicidal effect of spent compost of button mushroom against root knot nematode
4	Sumera	Plant Pathology	Studies on the nematicidal effect of *Fusarium oxysporum* against root knot Nematodes
5	Waqas Ahmad	Plant Pathology	Studies on the effect of neem plant on the management of root knot nematodes
6	Raja Basharat Ali	Plant Pathology	Isloation of fungi, bacteria and entomopathogenic nematodes from Termites
7	Latif Khan	Plant Pathology	Isolation of entomopathogenic nematodes, bacteria and fungi from root/ stem borers
8	Alia	Plant Pathology	Isolation of *Pasteuria pentrans* from soil dwelling nematodes
9	Amra	Plant Pathology	Isolation of fungi attacking eggs and larvae of soil dwelling nematodes
10	Inayatullah	Plant Pathology	Isolation of nematode trapping fungi from the faeces of rabbits
11	Muhammad Umair	Plant Pathology	Extraction of plant parasitic nematodes from the ornamental bulbs in the nursery farm of Horticulture Department AUP. Preparation of permanent mounts.
12	Jawad Ali	Plant Pathology	Development of oyster Mushroom spawn
13	Haroon ur Rashid	Plant Pathology	Effect of Thermally composted culture media on the growth of hyphae of various parts of basidiocarp of

			Button Mushroom *Agaricus bitorquis* (Quelet) Sacc.
14	Aamir Khan	Plant Pathology	IDENTIFICATION OF PLANT PARASITIC NEMATODES INFECTING VEGETABLES IN DARGI, MALAKAND AREA
15	Kamran Khan	Plant Pathology	IDENTIFICATION OF ENTOMOPATHOGENIC NEMATODES FROM VEGETABLE GROWING AREAS OF DARGAI
16	Nida Haroon	Plant Pathology	EFFECT OF AERATION, PH AND WATER POTENTIAL ON THE SPAWN RUN OF OYSTER AND BUTTON MUSHROOMS
17	Izhar	Plant Pathology	FUNGAL PATHOLOGY OF ROOT KNOT NEMATODES
18	FARHAD ALI	Plant Pathology	IDENTIFICATION OF THE CAUSAL AGENT OF THE DEAD RED BLOOD LEAF PLANTS (IRESINE HERBSTII) IN THE HORTICULTURAL NURSERY AT KHYBER PAKHTUNKHWA AGRICULTURAL UNIVERSITY PESHAWAR – PAKISTAN
19	MUHAMMAD ALTAF	Plant Pathology	MYCOSIS IN FREE LIVING AND PLANT PARASITIC NEMATODES FROM FRUIT CROPS OF KHYBER PAKHTUNKHWA AGRICULTURAL UNIVERSITY RESEARCH FARM.
20	SUFIYAN QURESH	Plant Pathology	Morphological and molecular identification of entomopathogenic nematodes from peshawar region.

Worked as member of the research committee:

Name of Student	Degree	Department	Title of Work
Muhammad Junaid	Ph D	Plant Pathology	Management of bacterial soft rot in tomatoes

Miss Durrishahwar	Ph D	Plant Breeding and Genetics	Response of two maize populations to S1 line recurrent selection for grain yield and southern corn leaf blight resistance.
Fazl-e-Akbar	M. Sc. (H)	Agricultural Chemistry	Effect of substrates on the physiochemical properties of oyster mushroom (*Pleurotus ostreatus*)
Zeeshan	M. Sc (H)	Agricultural Chemistry	Physio-chemical and antimicrobial activities of *Ajuga bracteosa* and *Viola odorata*

Conducted written/Oral Comprehensive Examinations of Ph D students:

	Student Name	Department
1	Miss Ishrat Naz [Written Exam]	Plant Pathology
2	Falak Naz [Oral Exam]	Entomology
3	Fazl Maula [Oral Exam]	Entomology
4	Amjad Usman [Oral Exam]	Entomology
5	Syed Majid Rasheed [Oral Exam]	Plant Breeding & Genetics
6	Miss Ishrat Naz [Written & Oral Exam]	Plant Pathology
7	Muhammad Ibrabim [Written]	Plant Pathology
8	Muhammad Junaid [Written & Oral Exam]	Plant Pathology

Evaluation of Ph D/M. Phil thesis out side the University

	Student Name	*Degree*	*Place/ Department*
1	Mr. Zafar Iqbal	Ph D	Department of Botany, Bahauddin Zakariya University Multan
2	Muhammad Jamil	M. Phil	Department of Microbiology KUST
3	[Student name forgotten]	M. Phil	Department of Horticulture FAU
4	[Student name forgotten]	M. Phil	PIR MEHR ALI SHAH ARID AGRICULTURE UNIVERSITY RAWALPINDI

SCIENTIFIC SKILLS

Work with soil and plant parasitic nematodes

Isolation of plant parasitic nematodes from soil and plant parts. Free living nematodes, Entomopathogenic nematodes. Rearing plant parasitic (males, females, fertile living females, unfertile living females) and free living nematodes.Staining nematodes in plant roots. Identification of plant parasitic nematodes. Laboratory and field biocontrol studies. Mass production of biocontrol agents

Breeding

Maize and wheat breeding.

Mushroom farming.

Spore collection, culturing, spawn preparation and mushroom cultivation. Culturing from mushroom tissues. Establishment of mushroom farms

Diagnosis of Plant diseases

Isolation, culturing and identification of fungi, nematodes,

parasitic mushrooms and plants associated with plants.

Computer and communication skills

Different Word Processors, Statistical and Photographic and scanning programs, Use of audio visual aids, production of quality visuals and script writing

LANGUAGES:

English, Urdu, Pashto (R. W.S.), Arabic & Persian (R.W.)

Developed the following three courses:

1. Advances in Nematology
Post graduate course for M.Phil/PhD

Nematode Morphology, Sensory structures and function. Major nematode diseases and their management. Nematodes in relation to viruses and bacteria. Physiological interactions between nematodes and their host plant. Entomopathogenic nematodes and their commercialization. Management of plant parasitic nematodes with organic and integrated approaches.

Practicals

Extraction of nematodes form rhizopheric soil of vegetables, and fruit plants, preparation of permanent mounts and identification. Isolation of Entomopathogenic nematodes from soil and their cultivation. Nematode management practices.

Recommended Books

1. Trived, P.C. 2003. Advances in Plant Nematology Scientific Publishers, India

2. Ciancio, A (Editor), K.G. Mukerji (Editor) 2008. Integrated Management and Biocontrol of Vegetable and Grain Crops Nematodes (Hardcover) Springer Oxford University Press

8. Siddiqi, M.R. 1986. Tylenchida: Parasites of plants and insects, CAB, UK.Taylor,

9. Trived, P.C. 1998. Recent Advances in Plant Nematology CGS Publishers and Distributors, India

Reference Books:

1. Alden, A. 1973. Nematode Ecology and Plant Diseases. Mowbray Ltd, Alden Press Oxord, UK.
2. Alam, M.M. and Sharma, N. 2002. Nematode Control in Crops. International Book Distributors, India.
3. Barker, K. R., Pederson, G.A. and Windham, G.L. 1985. An advanced treatise on Meloidogyne Vol. 1 and 11 Department of Plant Pathology, United State Agency for International Development, North Carolina State University, USA.
4. Dropkin, V. H. 1989. Introduction to Plant Nematology. John Wiley and Sons, Inc., New York, USA.

5. Perry, R.N. and Wright, D.T. 1998. The Physiology and biotechnology of free living and plant parasitic nematode. Willingford, CAB, Inc. UK.
6. R. N. Perry (Editor), M. Moens (Editor) 2006. Plant Nematology CABI
7. Randy Gaugler (Editor), Anwar L. Bilgrami (Editor) 2004. Nematode Behaviour. Oxford University Press
8. Siddiqi, M.R. 1986. Tylenchida: Parasites of plants and insects, CAB, UK.Taylor, A. L. and Sasser, J. N. 1978. Biology, identification and control of root knot nematodes. Department of Plant Pathology, United State Agency for International Development, North Carolina State University, USA..

2. Methods and Research Techniques in Nematology

(Postgraduate course for M.Phil and Ph.D (All practical work)

Lab:

Survey for nematodese, isolation of plant parasitic, identification. Preparation of permanent mounts for taxonomic study. Free living, entomopathogenic and predatory nematodes and their culturing on organic and inorganic media. Isolation of fungal and bacterial pathogens of nematodes and their mass production for field application. Observations on embryogenesis of nematodes. Nematode Behavio.

Recommended Books:

1. Nickle 1991. Manual of Agricultural Nematology 1991 CRC

2. Barker, K. R., Pederson, G.A. and Windham, G.L. 1985. An advanced treatise on Meloidogyne Vol. 1 and 11 Department of Plant Pathology, United State Agency for International Development, North Carolina State University, USA.
3. Randy Gaugler 2002. Entomopathogenic Nematology CABI

Reference Books:

1. Alden, A. 1973. Nematode Ecology and Plant Diseases. Mowbray Ltd, Alden Press Oxord, UK.
2. Alam, M.M. and Sharma, N. 2002. Nematode Control in Crops. International Book Distributors, India.
3. Dropkin, V. H. 1989. Introduction to Plant Nematology. John Wiley and Sons, Inc., New York, USA.
4. Perry, R.N. and Wright, D.T. 1998. The Physiology and biotechnology of free living and plant parasitic nematode. Willingford, CAB, Inc. UK.
5. R. N. Perry (Editor), M. Moens (Editor) 2006. Plant Nematology CABI
6. Randy Gaugler (Editor), Anwar L. Bilgrami (Editor) 2004. Nematode Behaviour. Oxford University Press
7. Siddiqi, M.R. 1986. Tylenchida: Parasites of plants and insects, CAB, UK.Taylor, A. L. and Sasser, J. N. 1978. Biology, identification and control of root knot nematodes. Department of Plant Pathology, United State Agency for International Development, North Carolina State University, USA.

3. Biological Management of Plant Pathogens
(Postgraduate core course for M.S./M.Phil)

Threats to the Environment. Nature and scope of biological control. Comparison of biological control with other practices. The role of antagonist, pathogen and host in biological control. Resident and introduced antagonists. Biological control with mixtures of antagonists. Strain selection and improvement. Mycroparasites that kill pathogen fungi or nematodes and their mode of parasitism. Organic amendments to control plant pathogens. Host recognition phenomena. Biological control of insects with entomopathogenic fungi/nematodes. Limitations of biological control. Integration of biological control with other methods. Bio-pesticides.

Practicals:

Isolation of natural enemies of plant pathogens from soil/plant parts. Their in vitro efficacy as bio-control agents and mass production. Methods of application. Studies on mode of action, combination and sequence of application of antagonists and pathogens. Comparison with chemical control. Integration with other methods.

Text book

Baker, K.F. and R.J. Cook. 1974. Biological control of plant pathogens. W.H. Freeman and company, San Francisco, USA.

Reference

Mukarji, K.G. and K.L. Garg. 1988. Bio-control of plant diseases. CRC Press Incorporation, Boca Raton, Florida, USA.

Improved the following Postgraduate Courses:

INTRODUCTORY PLANT NEMATOLOGY

(Undergraduate core course)

Theory :

Introduction and economic importance of nematodes; taxonomy, morphology and biology of plant parasitic nematodes. Study and management of economically important diseases caused by different nematodes (Root knot nematodes, cyst nematodes, citrus nematode, stem & bulb nematode of onion and wheat seed gall nematodes).

Practicals:

SAMPLING AND EXTRACTION OF NEMATODES FROM SOIL AND PLANT MATERIALS; STUDIES ON MORPHOLOGY OF NEMATODES; PREPARATION OF TEMPORARY SLIDES; IDENTIFICATION OF NEMATODE DISEASES THROUGH SYMPTOMATOLOGY AND MORPHOLOGICAL OBSERVATIONS; METHODS OF MAINTENANCE AND CULTURING NEMATODES; CULTURAL AND BIOLOGICAL PRACTICES FOR THE MANAGEMENT OF NEMATODE DISEASES OF PLANTS.

Books Recommended

1. Dropkin, V. H. 1989. Introduction to Plant Nematology. John Wiley and Sons, Inc., New York, USA

2. Trivedi, P. C. 1998. Nematode Diseases in Plants CBS Publishers and Distributors. India.

Reference

1. Alam, M. M. and Sharma, N. 2002. Nematode Control in Crops. International Book Distributors, India.
2. Chen, S. Y. (EDT)/ Dickson, Donald W. (EDT) 2004. Nematology.Advances and Perspectives Volume 1: Nematode Morphology, Physiology and Ecology Oxford Univ Press.
3. Donald L Lee (Editor) 2002. The Biology of Nematodes CRC
4. Gangler, R and Bilgrami, A. L. 2004. Nematode Behaviour. CAB-UK.
5. Mai, M. F. and H. H. Lyon. 1975. Pictorial Key to Genera of Plant Parasitic Nematodes, 4th edition. Comstock Publishing Association, Cornell University Press, Ithaca, USA.
6. Maqbool, M. A., 1992. Distribution and host association of plant parasitic nematodes in Pakistan. NNRC Karachi.
7. Michel L. Richard, A, Silkora, Bridge J. 1990. Plant parasitic nematodes in subtropical and tropical agriculture.
8. Perry, R. N. and Wright, D. J. 1998. The Physiology and Biochemistry of Free Living and Plant Parasitic Nematodes. Willingford, CAB. International, UK.

PLANT NEMATOLOGY

Postgraduate core course for M.S./M.Phil)

Theory Credit Hours: 3(3-2)

Importance of plant parasitic nematodes and threat to agriculture. Plant response to nematode. Environmental factors effecting survival and pathogenicity. Morphology, anatomy, and reproduction. Mode and mechanism of infection. Concepts and principles of population dynamics, genetics and estimation of crop losses. Nematode-microbe interactions. Entomopathogenic nematodes, their culturing and application methods. Conventional and organic strategies for the management of plant parasitic nematodes.

Practicals:

Isolation, identification and permanent mounting of important plant parasitic nematodes. Pathogenicity tests. Field trips, collection, handling and diagnosis of nematode infected plants by symptomatology. Cultivation of nematodes.

Recommended Books

1. R. N. Perry , M. Moens 2006. Plant Nematology CABI
2. Randy Gaugler 2002. Entomopathogenic Nematology CABI

Reference Books:

1. Alden, A. 1973. Nematode Ecology and Plant Diseases. Mowbray Ltd, Alden Press Oxord, UK.
2. Alam, M.M. and Sharma, N. 2002. Nematode Control in Crops. International Book Distributors, India.

3. Barker, K. R., Pederson, G.A. and Windham, G.L. 1985. An advanced treatise on Meloidogyne Vol. 1 and 11 Department of Plant Pathology, United State Agency for International Development, North Carolina State University, USA.
4. Ciancio, A (Editor), K.G. Mukerji (Editor) 2008. Integrated Management and Biocontrol of Vegetable and Grain Crops Nematodes (Hardcover) Springer
5. Dropkin, V. H. 1989. Introduction to Plant Nematology. John Wiley and Sons, Inc., New York, USA.
6. Perry, R.N. and Wright, D.T. 1998. The Physiology and biotechnology of free living and plant parasitic nematode. Willingford, CAB, Inc. UK.
7. Randy Gaugler (Editor), Anwar L. Bilgrami (Editor) 2004. Nematode Behaviour.

OUTREACH:

1. Provided advisory service to the farmers on their disease problems on vegetable and fruit plants in NWFP.
2. Organized and conducted a number of farmer's trainings on mushroom Cultivation and mushroom spawn production at the Department of Plant Pathology, NWFP Agricultural University, Peshawar.
3. Provided mushroom spawn and spawned bags to the farmers, mushroom growers and lovers.

CONSULTANCY

Worked as National consultant on Mushroom farming in NWFP

ADMINISTRATION:

1. Chairman Department of Plant Pathology for **SIX YEARS**
2. STAFF PROCTOR Agricultural University Peshawar for **ONE YEAR**

FUNDED PROJECTS Completed/in progress:

S.NO.	***Title of the Project***	*SOURCE*	*DURATION*	*FUNDS (MILLION RS.)*
1	Biological Control of Root-Knot Nematodes in Malakand and Swat**. [As P.I]**	HEC-AUP	TWO YEARS	0.2
2	Biological management of root–knot nematodes with *Trichoderm harzianum* **[As P.I]**	HEC	TREEE YEARS	1.6
3	Substrates evaluation for growing Oyster mushrooms **[P.I]**	Forest Department, Peshawar	ONE YEAR	0.1
4	Management of Root Knot Nematodes with Turmeric (*Curcuma longa*) as Phytobiocide **[As P.I]**	HEC	TREEE YEARS	1.66
5	Studies on the Development of oyster and button mushrooms spawn **[As P.I]**	HEC	TREEE YEARS	1.6
6	Integrated Control of Root Rot of Pepper in Peshawar and Malakand divisions (**As Co-P.I.)**	ALP	TREEE YEARS	2.1

Trainings Organized:

S #	Title of the Training	Venue	Dates	Funding agency	No. Participants
1	Mushroom cultivation	NWFP- AUP	25-26.04.1998	Common farmers/teachers	30
2	Mushroom cultivation	NWFP- AUP	16-17.02.1999	Farmers	35
3	Mushroom cultivation	NWFP- AUP	08-09.03.2000	Farmers of Peshawar	35
4	Mushroom cultivation and spawn production	NWFP- AUP	30-31.01.2002	NGO, Save the Environment-Afghanistan	12
5	Mushroom cultivation	NWFP- AUP	24-25.10.2003	Agric. Extension. FATA	19
6	Mushroom cultivation and spawn production	NWFP- AUP	21-22.02.2003	Dept. of Forest Fisheries & wild life	25
7	Mushroom cultivation	NWFP- AUP	26-28.03.2003	NWFP Forest Department Human Resource Development	20
8	Mushroom cultivation and spawn production	NWFP- AUP	13-14.04.2004	NGO, Save the Environment-Afghanistan	02
9	Mushroom cultivation and spawn production	NWFP- AUP	16-18.03.2004	AUP	70
10	Mushroom cultivation	NWFP- AUP	09.04.2004	Khyber Agency FATA	25
11	Mushroom cultivation and spawn production	NWFP- AUP	26-29.04.2004	USAID	25
12	Mushroom cultivation and spawn production	NWFP- AUP	16-21.05/2005	USAID	11
13	Biological management of root knot nematodes with *Trichoderma harzianum*"	NWFP- AUP	07-10/12/ 2005	HEC/AUP funded project	18
14	DISEASES OF TOMATO AND THEIR MANAGEMENT	NWFP- AUP	20-23rd December 2006.	HEC/AUP funded project	24
15	MUSHROOM CULTIVATION	Batkhela	16-18 December 2007	Forest Department Peshawar	30
16	MUSHROOM CULTURE AND SPAWN	NWFP- AUP	March 11-18,	Forest Department	03

	PRODUCTION		2008	Peshawar	
17	Mushroom cultivation	Harri Pur	16-18th December 2008)	NTFP Forest Department Peshawar	88
18	Mushroom cultivation	Hamza Dher, District Swabi	27-28 February 2009	NWFP Forest Department.	Forty farmers
19	Mushroom cultivation and spawn production	AUP	6 to 8th April 2009	HEC project	Sixty
20	Mushroom Cultivation	AUP	30/11/2010	HEC project	Eighteen
21	Mushroom seed production	AUP	12-17 Sep 2011	Pakistan Tobacco Board, Ministry of Commerce	Two
22	Fungal, bacterial and nematode diseases of tomato and their management	AUP	2-4 February 2012:	HEC Project No.20-696	25
23	Mushroom cultivation	UAP	15/5/2012	HEC Project No.20-696	22
24	Field day on tomato diseases	Naguman, charsadda	June 9, 2012	Selfsupported	15-20

MEMBERSHIP

1. Member University Discipline Committee [UDC]
2. Academic Council NWFP Agricultural University, Peshawar.
3. Board of Studies, Department of Plant Pathology.
4. Board of Studies, Bahauddin Zakariya University, Multan
5. Board of Faculties, NWFP Agricultural University, Peshawar.
6. Nematological Society of Pakistan
7. Phytopathological Society of Pakistan
8. Panel of Referees Sarhad Journal of Agriculture NWFP Agricultural University, Peshawar.
9. Panel of Referees Scientific Khyber, Islamia College Peshawar.
10. Panel of Referees Pakistan Journal of Plant Sciences, Department of Botany, University of Peshawar.

PUBLICATIONS

1. Gul, A. & **Saifullah**. 1985. Distribution and reaction of wheat varieties to the seed gall nematode *Anguina tritici* (Steinbuch) Filipjev. *Sarhad Journal of Agriculture,* 1:149-155.
2. **Saifullah** & Gul, A. 1988. Efficacy of *Paecilomyces lilacinus* against golden nematode (*Globodera rostochiensis*) in Pakistan. *Int. Nematol. Network newsl*. 5(4): 20-22.
3. Gul, A. & **Saifullah**. 1989. Studies on the behaviour of *Anguina tritici* (Steinbuch) Filipjev in different chemical treatments. *Journal of Science & Technology*, 13:15-18.
4. **Saifullah**. 1989. Population density of golden cyst nematode in the Kalam valley of Swat, North West Frontier Province (NWFP) of Pakistan. Int. nematol. *Int. Nematol. Network newsl*. 6(2): 36.
5. **Saifullah**, Zulfiqar, M.& Gul, A. 1990. Organic amendments as control of root-knot nematodes. *Int. Nematol. Network newsl*. 7(1):22-24.
6. Gul, A., **Saifullah**, & Zulfiqar, M. 1990. Occurrence of cyst nematodes in Kaghan valley of Pakistan. *Int. Nematol. Netwrok Newsl*. 7(1):25.
7. Gul, A., **Saifullah** & Shah. S.F.A. 1990. Control of root-knot nematodes (*Meloidogyne* spp.) of tomato through organic amendments. *Sarhad Journal of Agriculture,* 6:417-419.
8. Tahir, M., Muhibullah, Shah, M. **Saifullah**. 1990. The effect of different spray fungicides on downy mildew and yield of onion. *Sarhad Journal of*

Agriculture, 6:377-380.

9. **Saifullah**, Gul, A. & Zulfiqar, M. 1990. Promising control of root-knot nematodes (*Meloidogyne spp.)* of tomato through organic amendments. *Sarhad Journal of Agriculture*, 6:417-419.
10. Gul, A. & **Saifullah**. 1991. Survey of nematodes associated with different crops of North West Frontier Province (NWFP). Scientific Khyber, 4:87-92.
11. Gul, A. & **Saifullah**. 1991. Varietal susceptibility of peach to *Meloidogyne javanica*. *Sarhad Journal of Agriculture*, 7:383-385.
12. Gul, A., Saeed, M. **Saifullah**. 1991. A model of action of different substances used for the control of *Meloidogyne javanica* on tobacco and okra in N.W.F.P., Pakistan. *Afro-Asian Journal of Nematology*, 1:23-29.
13. Gul, A., Saeed, M. & **Saifullah**. 1991. Nematodes associated with Peach (*Prunus persica* (L,) Batch.) in N.W.F.P., Pakistan. *Afro-Asian Journal of Nematology*. 1:112-113.
14. **Saifullah**, Gul, A. 1991. Biological control of golden nematode of potato with *Paecilomyces lilacinus* (Thom) Samson. *Sarhad Journal of Agriculture*, 7:377-381.
15. **Saifullah** & Thomas, B.J. 1996. Studies on the parasitism of *Globodera rostochiensis* by *Trichoderma harzianum* using Low Temperature Scanning Electron Microscopy. *Afro-Asian Journal of Nematology*, 6:117-122.
16. **Saifullah**, 1996. Fungal Parasitism of young females of *Globodera rostochiensis* and *G. pallida*. *Afro-Asian Journal of Nematology*, 6:17-22.
17. **Saifullah**. 1996. Killing potato cyst nematode males: a possible control

strategy. *Afro-Asian Journal of Nematology*, 6:23-28.

18. **Saifullah**, 1996. Nematicidal and nematostatic effect of cell-free culture filtrates of *Verticillium chlamydosporium* Goddard *in vitro*. *Afro-Asian Journal of Nematology*, 6:32-35.
19. **Saifullah**. 1996. Effect of nematophagous fungi on the growth of potato and *Globodera rostochiensis* and their environmental tolerance. *Afro-Asian Journal of Nematology*, 6:128-132.
20. **Saifullah**. 1996. A method to isolate nematode destroying fungi from the soil. *Afro-Asian Journal of Nematology*, 6:166-167.
21. **Saifullah** & Thomas, B.J.1997. Parasitism of *Globodera rostochiensis* by *Verticillium chlamydosporium*- Low temperature scanning electron microscopy and freeze fracture study. *International Jour. of Nematology*, 7:30-34.
22. Gul A. and **Saifullah**. 1998. Cultivation of Mushroom. Technical Bull. No. 108.
23. **Saifullah**, and A. Gul. 1998. Cultivation of Oyster mushroom. Technical Bull. No. 109.
24. **Saifullah**, and A. Gul. 1998. Cultivation of Chinese mushroom. Technical Bull. No. 110.
25. **Saifullah**, and A. Gul. 1998. Cultivation of Shiitake mushroom. Technical Bull. No. 111.
26. **Saifullah**. 2000. *Colletotrichum coccodes* (Wallr.) Hughes, a pathogen of potato cyst nematodes - Light and Low Temperature Scanning Electron

Microscopic Study. *Pakistan Journal of Biological Sciences* 3(12): 2024-2025.

27. Haider, S. K. and **Saifullah**. 2000. Effect of different of Acetyl salicylic concentrations on the extent of rotting by *Erwinia carotovora (*subsp. *carotovora*) on whole potato tubers. *Scientific Khyber*, 13(1): 45-52.

28. Haider, S. K. and **Saifullah**. 2000. The effect of Salicylic acid and Acetyl salicylic acid on growth and yield of Home guard under cool green house conditions. *Pakistan Journal of Biological Sciences*, 3(4): 685-686.

29. Haider, S. K. and **Saifullah**. 2000. Effect of foliar and drench application of acetyl salicylic acid on control of *Rhizoctona solani* and on dry matter production and partitioning of potatoes. *Pakistan Journal of Biological Sciences*. 1(11):1074-1077.

30. Gul, A. and **Saifullah**. 2000. Mushroom handbook. pp: 50.

31. Haider, S. K. and **Saifullah**. 2001. Effect of Acetyl salicylic acid on soft rotting of potato. *Pakistan Journal of Plant Sciences* 7(1-2): 43-47

32. **Saifullah**. 2002. New Blue R: The best stain for finding out the life status of nematode eggs. *Pakistan Journal of Plant Sciences* 2(1): 63.

33. Baharullah K., **Saifullah** and H. Khan. 2002. Biological control of root-knot nematode with *Trichoderma harzianum* Rifai on tomato. *Scientific Khyber*, 15(1): 85-94.

34. Zahid, M. and **Saifullah** and H. Khan. 2003. Effect of temperature on the mycoflora of casing materials used for growing *Agaricus bisporus*, the button mushroom. *Sarhad J. Agric. 21(2):275-279*

35. Jabeen, N., **Saifullah** and Khan, H. 2004. Development of a culture

medium for the growth of *Agaricus bisporus* (Lange) Sing. (Holobasidiomycetidae), the button mushroom**.** *Scientific Khyber*, 17(1): 1-7.

36. **Saifullah** , Shah M. A.Q. and H. Khan. 2005. Effect of temperature on the mycoflora of compost for growing *Agaricus bisporus,* the button mushroom. *Scientific Khyber* 18:7-15
37. **Saifullah**, Iqbal Z., Khan H. and Qadir A. 2005. Effect of pasteurization on the recovery of mycoflora of casing material used for growing *A. bisporus*. *Sarhad J. Agriculture*. 21: 275-280.
38. Ahmad, M., Khan, H. **Saifullah** and Attauddin. 2005. Control of Phytophthora root rot in Chillies with *Trichoderma harzianum* Rifai. *Sarhad Journal of Agriculture* 21:457-462
39. Irfan-ud-Din, **Saifullah**, Khan, H. and Khattak, B. 2005. Biological control of *Meloidogyne javanica* (Treub) Chitwood with *Trichoderma harzianum* Rifai and spent mushroom compost in tomato under field conditions. *Pakistan Journal of Phytopathology*, 17(2): 144-145.
40. Ahmad, F., Fida, M., Bashir, M., **Saifullah** and Khan, H. 2007**.** Inheritance of important traits in bread wheat over different planting dates using diallel analysis. *Sarhad Journal of Agriculture*. 23 (4):955-963
41. Bahaullah, K. and **Saifullah.** 2007. Isolation of *Trichoderma harzianum* and *in vitro* screening for its effectiveness against Root Knot Nematodes (*Meloidogyne spp*.) from Swat, Pakistan. *Pakistan Journal of Nematology* 25(2)313-322.
42. **Saifullah** and Stephen, M. 2008. Effect of some indigenous isolates of *Trichoderma*

harzianum on root knot nematode, *Meloidogyne javanica* (Treub) Chitwood. *Sarhad Journal of Agriculture* 24(2):285-288.

43. Zahoor Ahmad, **Saifullah**, Fazli Raziq, Hakim Khan and Muhammad Idrees.2012. CHEMICAL AND BIOLOGICAL CONTROL OF FUSARIUM ROOT ROT OF OKRA. *Pakistan Journal of Botany*, 44(1): 453-457
44. Haroon ur Rasheed, S**aifullah**, Fida Muhammad and Khalid Nawab. 2012. Effect of thermally composted culture media on the growth of hyphae from various parts of the basidiocarp of button mushroom, *Agaricus bitorquis* (Quelet) Sacc *Pakistan Journal of Botany*, Volume No. 44(1): 441-443
45. Ishrat Naz, Juan E. Palomares-Rius, Vivian Blok, **Saifullah**, Sardar Ali and Musharraf Ahmed. 2012. Prevalence, incidence and molecular identification of root-knot nematodes of tomato in Pakistan. African Journal of Biotechnology 11:16546-16556
46. I. Naz, J. E. Palomares-Rius, **Saifullah**, V. Blok, M. R. Khan, S. Ali and S. Ali. 2012. *In vitro* and *in planta* nematicidal activity of *Fumaria parviflora* (Fumariaceae) against the southern root-knot nematode *Meloidogyne incognita*. Plant Pathology. Doi: 10.1111/j.1365-3059.2012.02682.x
47. Ishrat Naz, **Saifullah**, M.R. Khan, S.Ali and M. Ahmad. 2012. Structure elucidation and nematicidal activity of nonacosane-10-ol and 23a-homostigmast-5-en-3*ß*-ol isolated from *Fumaria parviflora* (Fumariaceae). Submitted to American journal of Phytopathology
48. Ishrat Naz, **Saifullah**, M.R. Khan, and M. Ahmad. 2012. Species identification of root knot nematodes in Pakistan by Random Amplified Polymorphic DNA (RAPD-PCR). Accepted in Sarhad Journal of Agriculture.

49. Irfan-ud-Din, Fazli Raziq, Shaukat Hussain and **Saifullah.** 2012.Occurance of Phytophthora root rot (*Phytophthora capsici* Leoian) of peper in Peshawar and Malakand Divisions. Sarhad Journal of Agriculture 28(3):433-450

50.

LIST OF INTERNATIONAL PUBLICATIONS

1. **Saifullah** & Gul, A. 1988. Efficacy of *Paecilomyces lilacinus* against golden nematode (*Globodera rostochiensis*) in Pakistan. Int. Nematol. Network Newsl. 5(4): 20-22.

2. **Saifullah**. 1989. Population density of golden cyst nematode in the Kalam valley of Swat, North West Frontier Province (NWFP) of Pakistan. Int. nematol. Network Newsl. 6(2): 36.

3. **Saifullah**, Zulfiqar, M.& Gul, A. 1990. Organic amendments as control of root-knot nematodes. Int. Nematol. Network Newsl. 7(1):22-24.

4. Gul, A., **Saifullah**, & Zulfiqar, M. 1990. Occurrence of cyst nematodes in Kaghan valley of Pakistan. Int. Nematol. Netwrok Newsl. 7(1):25.

5. A., Saeed, M. & **Saifullah**. 1991. Nematodes associated with Peach (*Prunus persica* (L,) Batch.) in N.W.F.P., Pakistan. Afro-Asian Journal of Nematology. 1:112-113.

6. Gul, A., Saeed, M. **Saifullah.** 1991. A model of action of different substances used for the control of *Meloidogyne javanica* on tobacco and okra in N.W.F.P., Pakistan. Afro-Asian Journal of Nematology, 1:23-29

7. **Saifullah** & Thomas, B.J. 1996. Studies on the parasitism of *Globodera rostochiensis* by *Trichoderma harzianum* using Low Temperature Scanning Electron Microscopy. Afro-Asian Journal of Nematology, 6:117-122.

8. **Saifullah**, 1996. Fungal Parasitism of young females of *Globodera rostochiensis* and *G.pallida*. Afro-Asian Journal of Nematology, 6:17-22.

9. **Saifullah**, 1996. Nematicidal and nematostatic effect of cell-free culture filtrates of *Verticillium chlamydosporium* Goddard *in vitro*. Afro-Asian Journal of Nematology, 6:32-35.

10. **Saifullah**. 1996. A method to isolate nematode destroying fungi from the soil. Afro-Asian Journal of Nematology, 6:166-167.

11. **Saifullah**. 1996. Effect of nematophagous fungi on the growth of potato and *Globodera rostochiensis* and their environmental tolerance. Afro-Asian Journal of Nematology, 6:128-132.

12. **Saifullah**. 1996. Killing potato cyst nematode males: a possible control strategy. Afro-Asian Journal of Nematology, 6:23-28.

13. **Saifullah** & Thomas, B. J. 1997. Parasitism of *Globodera rostochiensis* by *Verticillium chlamydosporium* – Low temperature scanning electron microscopy and freeze fracture study. International Journal of Nematology, 7:30-34.

Publications in Impact factor Journals:

	Impact Factor
1. Zahoor Ahmad, **Saifullah**, Fazli Raziq, Hakim Khan and Muhammad Idrees .2012. CHEMICAL AND BIOLOGICAL CONTROL OF FUSARIUM ROOT ROT OF OKRA. Pakistan Journal of Botany, 44(1): 453-457	(2010): 0.947
2. HAROON-UR RASHEED, **SAIFULLAH,** FIDA MUHAMMAD AND KHALID NAWAB. 2012. EFFECT OF THERMALLY COMPOSTED CULTURE MEDIA ON THE GROWTH OF HYPHAE FROM VARIOUS PARTS OF THE BASIDIOCARP OF BUTTON MUSHROOM, *AGARICUS BITORQUIS* (QUELET) SACC Pakistan Journal of Botany, 44(1): 441-443	(2010): 0.947
3. **Saifullah** and Baharullah Khattak. Management of root knot nematodes with *Trichoderma harzianum* and spent mushroom compost Accepted in Pakistan Journal of Botany 2011	(2010): 0.947
4. **Saifullah**. 2011. Low temperature scanning electron microscopic studies on the interaction of *Globodera rostochiensis* Woll. and *Trichoderma harzianum* Rifai. compost Accepted in Pakistan Journal of Botany 2011	(2010): 0.947
5. **Saifullah** and Muhammad Aamir Younas. 2011. Organic Management of Root knot nematodes with Phytobiocides compost Accepted in Pakistan Journal of Botany 2011	(2010): 0.947
6. Muhammad Nazir Uddin, **Saifullah**, Musharaf Ahmad, Ijaz Ali, Aqib Iqbal. 2011. Genetic characterization of *Verticillium chlamydosporium* isolated from Pakistan using Random Amplified Polymorphic DNA (RAPD) Primers compost. Accepted in Pakistan Journal of Botany 2011	(2010): 0.947
7. Muhammad Nazir Uddin, **Saifullah**, Sher Hayat Khan, Musharaf Ahmad, Aqib Iqbal. Histopathology of Tomato Roots Inoculated with *Verticillium chlamydosporium* and *Meloidogyne incognita.* Accepted in Pakistan Journal of	(2010): 0.947

Botany 2011	
8. Muhammad Nazir-ud-din*; **Saifullah;** Musharaf Ahmad. DEVELOPMENT OF FARMER AND ECO-FRIENDLY METHODS FOR THE APPLICATION OF *VERTICILLIUM CHLAMYDOSPORIUM* (GODDARD) TO MANAGE ROOT KNOT NEMATODES *MELOIDOGYNE INCOGNITA* (KOFOID AND WHITE) IN TOMATO	0,745
9. Ishrat Naz, Juan E. Palomares-Rius, Vivian Blok, **Saifullah**, Sardar Ali and Musharraf Ahmed. 2012. Prevalence, incidence and molecular identification of root-knot nematodes of tomato in Pakistan. African Journal of Biotechnology 11:16546-16556	
10. Ishrat Naz, **Saifullah**, M.R. Khan, S.Ali and M. Ahmad. 2012. Structure elucidation and nematicidal activity of nonacosane-10-ol and 23a-homostigmast-5-en-3*ß*-ol isolated from *Fumaria parviflora* (Fumariaceae). Submitted to American journal of Phytopatholog	
11. I. Naz, J. E. Palomares-Rius, **Saifullah**, V. Blok, M. R. Khan, S. Ali and S. Ali. 2012. *In vitro* and *in planta* nematicidal activity of *Fumaria parviflora* (Fumariaceae) against the southern root-knot nematode *Meloidogyne incognita*. Plant Pathology. Doi: 10.1111/j.1365-3059.2012.02682.x	
12.	
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17.	
Total impact factor	

International Conferences/workshops Attended:

1. TRAINING COURSE ON MUSHROOM TECHNOLOGY at JUNCAO Research Institute Fujian Agricultural and Forestry University FUZHOU CHINA (26/09/2008 to 10/11/2008)

2. Presented a paper on ORGANIC MANAGEMENT OF ROOT-KNOT NEMATODES WITH PHYTOBIOCIDES at the **International Conference on Organic Agriculture in Scope of Environmental Problems at Famagusta, Cyprus Island during** 03-07 February 2010**.**

3. Presented a paper on "Management of root knot nematode with *Trichoderma harzianum* and spent mushroom compost" at 3rd ISOFAR **Scientific Conference** in the frame of the 17th IFOAM Organic World Congress in Gyeonggi Paldang, **Republic of Korea** during 28 September - 1 October 2011 with the Travel grant of Higher Education Commission.

Citation:

1	http://www.cabi.org/gara/FullTextPDF/Pre2000/19971701106.pdf
2	http://books.google.com.pk/books?id=PFQ-7VWPrrQC&pg=PA215&lpg=PA215&dq=Saifullah+%26+Gul,+A.+1988&source=

	bl&ots=ffDTxSSgVs&sig=qSZlIralhArqQzOTev6KcAckPlg&hl=en#v=onepage&q=Saifullah%20%26%20Gul%2C%20A.%201988&f=false
3	http://books.google.com.pk/books?id=YjqNQj9Y5pgC&pg=PA185&lpg=PA185&dq=Saifullah+%2B+nematodes&source=bl&ots=TX5EIZ_3SQ&sig=gjKJpTFLl-d2G6f28JcI_oXEouA&hl=en#v=onepage&q=Saifullah%20%2B%20nematodes&f=false
4	http://books.google.com.pk/books?id=s9p41TTWLPEC&pg=PA388&lpg=PA388&dq=Saifullah+%2B+nematodes&source=bl&ots=H6rLkGwbeW&sig=-id-tMDoBquU8yXfUcFoYycFMOY&hl=en#v=onepage&q=Saifullah%20%2B%20nematodes&f=false
5	http://books.google.com.pk/books?id=kvRr8aFFmuYC&pg=PA160&lpg=PA160&dq=Saifullah+%2B+nematodes&source=bl&ots=6WDryk6o5f&sig=xdIL4dB3I6GtpDGGj5SYYVRbMTA&hl=en#v=onepage&q=Saifullah%20%2B%20nematodes&f=false
6	http://fspublishers.org/ijab/past-issues/IJABVOL_5_NO_4/49.pdf
7	http://books.google.com.pk/books?id=G51OoPDDZs0C&pg=PA486&lpg=PA486&dq=Saifullah+%2B+nematodes&source=bl&ots=aO_B3SkOGs&sig=HeNg0WJ9RT0-QXkJhH8qBG_ItpE&hl=en#v=onepage&q=Saifullah%20%2B%20nematodes&f=false
8	scialert.net/fulltext/?doi=pjbs.2001.846.848&org=11
9	http://www.pjn.com.pk/Oline%20Journal%20Publication/28-2/28-2%20(PDFs)/1-Zareena.pdf
10	http://www.academicjournals.org/ajfs/PDF/Pdf2011/Apr/Naserinasab%20et%20al.pdf
11	http://dspace.knust.edu.gh:8080/jspui/bitstream/123456789/38/1/Chap%201-%20appendices.pdf
12	http://220.227.138.214:8080/dspace/bitstream/123456789/60/1/Vol.III+No.2+(130-134).pdf
13	http://209.238.2.121/asci/author.php?author=SAIFULLAH&last=
14	http://www.jofamericanscience.org/journals/am-

	sci/am0608/33_2809_am0608_256_262.pdf http://journals.fcla.edu/nematropica/article/view/64246/61914
15	http://www.ba.ipp.cnr.it/vol33-1,%202005/vol33-1h.pdf
16	http://www.google.com.pk/search?q=Saifullah+%2B+nematodes&hl=en&prmd=ivnsb&ei=FToUT92MBK_P4QS63fX7Dg&start=20&sa=N
17	http://fmbokhari.kau.edu.sa/Files/0003715/Files/15390_manuscript.pdf
18	http://insightknowledge.co.uk/fulltext/?doi=PLANTDIS-IK.2011.12.19
19	http://www.ias.csic.es/pcastillo/amb_65_046-055.pdf
20	http://www.springerlink.com/content/jn5272k88q394q7n/
21	http://198.170.104.138/ajps/2002/417-417.pdf
22	http://docsdrive.com/pdfs/ansinet/ppj/2005/54-57.pdf
24	http://www.doiserbia.nb.rs/img/doi/1450-8109/2010/1450-81091001037T.pdf
25	http://www.tandfonline.com/doi/abs/10.1080/03235400600940830#preview
26	http://www.arccjournals.com/pdf/Reviews/ar-29-1/ar-29-1-006.pdf
27	http://www.sciencedirect.com/science/article/pii/S0953756208611430
28	http://www.sciencedirect.com/science/article/pii/S0022201105000285
29	http://books.google.com.pk/books?id=PFQ-7VWPrrQC&pg=PA201&lpg=PA201&dq=Saifullah+%2B+nematodes&source=bl&ots=ffDTxSVaQt&sig=-4P_WBB2jGGpVU4rMg-sVxkac9w&hl=en#v=onepage&q=Saifullah%20%2B%20nematodes&f=false
30	apsjournals.apsnet.org/doi/pdf/10.1094/PHYTO.2001.91.7.687
31	http://www.google.com.pk/search?q=Saifullah+%2B+nematodes&hl=en&prmd=ivnsb&ei=6T8UT9jYHona4QSMg7HXAw&start=50&sa=N
32	http://www.google.com.pk/search?q=Saifullah+%2B+nematodes&hl=en&prmd=ivnsb&ei=6T8UT9jYHona4QSMg7HXAw&start=50&sa=N
33	medwelljournals.com/ref.php?doi=pjbs.2001.846.848

34	medwelljournals.com/ref.php?doi=pjbs.2001.846.848
35	http://www.google.com.pk/search?q=Saifullah+%2B+nematodes&hl=en&prmd=ivnsb&ei=kUMUT5_mHc7P4QTU4uCLBw&start=60&sa=N
36	http://eurekamag.com/research/001/902/organic-amendments-control-root-knot-nematodes.php
37	http://www.docsdrive.com/pdfs/ansinet/pjbs/2001/990-994.pdf
38	http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=144986
39	http://www.pjn.com.pk/Abstracts/1998-1/1998%20-%201%20-%203.htm
40	http://www.mendeley.com/research/biological-control-of-the-rootknot-nematode-meloidogyne-javanica-by-trichoderma-harzianum/#page-1
41	http://agris.fao.org/agris-search/search/display.do?f=2009%2FPK%2FPK0902.xml%3BPK2009000139
42	http://www.springerlink.com/content/9758425903r20286/
43	http://www.parc.gov.pk/data/CatPak/cataction.asp?Title=nematode
44	http://www.springerlink.com/content/9758425903r20286/
45	http://www.inaav.ba.cnr.it/vol35-1,%202007/vol35-1k.pdf
46	http://www.springerlink.com/content/978-1-4419-7930-8/#section=850233&page=14&locus=92
47	http://www.springerlink.com/content/nq700621607x8626/
48	http://www.tandfonline.com/doi/abs/10.1080/03235400601121596#preview
49	http://www.cabi.org/dfb/?loadmodule=review&page=4048&reviewid=10678&site=159
50	www.medwelljournals.org/fulltext/?doi=ajps.2002.417.417...11
51	http://openagricola.nal.usda.gov/Record/CAT10845458

52	http://www.rwc.cgiar.org/rwc/docs/General/Pakistan-Proceed.pdf
53	http://www.rwc.cgiar.org/pubs/2/CPS016.pdf
54	http://www.dbpia.co.kr/view/ar_view.asp?arid=790593
55	http://scholar.google.com.pk/scholar?cites=16837312108815445894&as_sdt=2005&sciodt=0,5&hl=en

National Seminar, workshop Attended/ Delivered lecture

1. Attended one day Seminar on the "The role of scientific & communication in promoting research-Industry collaboration" on 28/05/08 arranged by PASTIC
2. Attended a seminar at Peshawar University Summer Camp at Bara Gali on 2-7 July 2008 on, "Response to Challenges of Globalization in Agriculture" and **delivered a seminar** on, "Mushrooms: a Potential mother of many industries.
3. Participated one day workshop on, "Pre and post harvest management of citrus (sweet orange) on 30-08-08 organized by the department of Horticulture and delivered a lecture on the, "Post harvest pathological problems of citrus".
4. Attended a Training workshop on QUALITY ASSURANCE- SELF ASSESSMENT PROCEDURE on Tuesday, March 18, 2008 by QEC- AUP

Reviewed the following research Papers/ annual reports/ projects:

1. STUDIES ON ROOT KNOT NEMATODES (*MELOIDOGYNE* SPP.) AND RHIZOBACTERIA AND THEIR EFFECT ON TOMATOES, SENT BY SAU, TANDOJAM.
2. BLACK LEG AND SOFT ROT OF POTATO IN NWFP: INOCULUM SOURCE, DISEASE INCIDENCE AND SEVERITY" SUBMITTED TO PAKISTAN JOURNAL OF BOTANY.
3. MOLECULAR AND PATHOGENIC DIVERSITY IDENTIFIED AMONG ISOLATES OF *ERWINIA CAROTOVORA* SUBSPECIES *ATROSEPTICA* ASSOCIATED WITH POTATO BLACK LEG AND SOFT ROT" SUBMITTED TO PAKISTAN JOURNAL OF BOTANY.
4. Evaluated Project proposal # PSF/NSLP/P-UAAR (90) dated 06/05/2010
5. Reviewed a research Project on, " Morphological /biochemical characterization of root knot nematodes/ *Meloidogyne* spp. and its biological management in vegetables in Punjab" submitted to Punjab Agricultural Research Board (PARB)
6. Reviewed a project under POCR scheme titled, "Identification, mass production, storage and formulation of entomopathogenic nematodes" submitted to HEC by Prof. Dr. Iqrar Ahmad Khan UAF.
7. Reviewed a project on, 'Production of rhizobacterial colonized solanceous vegetables seedlings for sustainable root knot nematode management.' Submitted to PSF.
8. APPLICATION OF BIOPESTICIDE ENTOMOPATHOGENIC NEMATODE IN VEGETABLE FIELDS AFFECTED WITH ROOT KNOT NEMATODE
9. UTILIZATION OF VESICULAR ARBUSCULAR MYORRRHIZAE FOR THE MANAGEMENT OF ROOT DISEASES OF SOME ECONOMIC CROPS

10. Leaf litter decomposition and nutrient release
11. Use of AM as biofertilizer to suppress plant parasitic nematode and enhance plant nutrient
12. Suitability of various plant derived gelling agents as agar substitute in routine microbiological growth media
13. OCCURANCE AND CONTROL OF NEMATODES ASSOCIATED WITH FRUIT NURSERIES IN BALOCHISTAN
14. Potential of rhizobacteria for the biocontrol of *Meloidogyne javanica*
15. Use of AM as biofertilizer to suppress plant parasitic nematode and enhance plant nutrient
16. Evaluated 2nd Annual Technical Report of HEC project, "Screening of the genetic diversity of wheat germplasm against cyst nematode of Pakistan" submitted by Dr Shahina Fayyaz NNRC Karachi University.
17. EFFECT OF SOAKING AND BOILING OF SUBSTRATE FOR GROWTH AND PRODUCTIVITY OF OYSTER MUSHROOM *submitted to Sarhad Journal of Agriculture*
18. EFFECTS OF FOUR ISOLATES OF ASPERGILLUS SPECIES IN CONTROLLING THE ROOT KNOT NEMATODE MELOIDOGYNE ARENARIA *submitted to Pakistan Journal of Nematology*
19. Evaluated a research paper # PPS/PJP/21/0/426/ dated 01-07-09 submitted to *Pakistan Journal of Phytopathology*.

Establishment of Mushroom farms/laboratory:

1. Mushroom cultivation laboratory at Barani Agriculture Research Station, Kohat.
2. Flag Staff House Peshawar Cantonment
3. Practically demonstrated mushroom cultivation to the farmers at Bara Peshawar, Wana South Wasiristan and Orakzai agency, and established mushroom cultivation units there.
4. ARI- Turnab Peshawar
5. NIFA
6. Bara

Other Contributions/ activities:

1. Worked as Chairman/member "Program Team" of Plant Pathology Department for QEC-HEC
2. Evaluated thesis of Mr Muhammad Imran Mahmood Reg. 2006-ag-125 student of M. Sc (Hons) Agriculture – UAF on 30th December 2008.
3. Worked as member of the selection committee for the appointment of TWO Research Associates/ Research Officers in a HEC funded Research Project, "Characterization of fungus transmitted rod shaped viruses infecting potato and sugar beet crops of NWFP and screening of germplasm for the source of resistance to them".

4. Worked on the Scrutiny committee for the selection of a Assistant Professor in the Department of Plant Pathology AUP
5. Briefed Pakistan Army officers in Mardan how to grow Mushrooms and other vegetables under green house conditions on 12th February 2009.
6. Provided free consultancy to the farmers of NWFP for the establishment of mushroom farms at cottage and commercial levels, and provided high quality spawn and spawned bags of oyster mushrooms to the farmers and research stations.
7. Performed **Radio talk** on Mushrooms covering the following topics:
   a. Introduction of mushrooms
   b. Importance of mushrooms
   c. How to grow mushrooms
8. Contributed in the development of the Annual Report of the University
9. Submitted a project to HEC on, "Up-gradation of Mushroom Research Laboratory at the Department of Plant Pathology Khyber Pukhtunkhwa Agricultural University Peshawar" for funding. **The project has been approved. However, funds have not yet received.**
10. Submitted a project to HEC on, "Strengthening Nematology Laboratory at the Department of Agricultural University Peshawar" for funding
11. Submitted a project on, "Development of Mushroom Research and Training Centre" to P & D AUP**. The project is provisionally approved. Funds are not yet received.**
12. Worked as a member on the Discipline Committee of the university.
13. Contributed a lot in the process of the Accreditation of Plant Pathology Department.