DR SHAHID AHMED

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Pakistan Agricultural Research Council Email: nematologist@gmail.com

G-5/1, Islamabad. 44000, Pakistan s.ahmed@parc.gov.pk

***ACADEMIC QUALIIFICATIONS***

**PhD (Plant Pathology) CHINA**

Department of Plant Pathology

College of Plant Protection (CPP)

China Agriculture University, Beijing-China

**Dissertation title: Screening of microbial biocontrol agents against cereal cyst nematode (*Heterodera avenae*)**

*Sindh Agriculture University TandoJam* Pakistan

**M.Phil / M.Sc. (Hons) Agriculture** 1998-2000

Major Subjects studied were; Advanced Virology, Genetics of Plant pathogen, Plant Diseases Epidemiology, computer application in Crop Protection Research, Plant Diseases Management & Advanced Nematology

Thesis on, “Promising Control of root-knot nematode, *Meloidogyne javanica* (Treub) Chitwood on *Solanum Melongena* L.”

*Sindh Agriculture University TandoJam*  Pakistan

**Bachelor (Four Years)/MS (Hons) Agriculture** 1993-1998

Major Subjects studied were; Agriculture Extension, Geology (Soil formation & Development), Agriculture Economics, Entomology, Bio-Chemistry, Plant Protection, Plant Pathology, Teaching Methods, Filed Crop Production, Bacteriology, Farm Power Machinery, Statistics, Nematology, Virology, Ecology of Plant Pathogens, Mycology, Fungicides and their Application, Physiology of Fungi, Insect Transmission of Diseases.

*Board of Intermediate and Secondary Education Sukkur* Pakistan

**Higher School Certificate (HSC) Pre-Medical**  1989-1991

Major Subjects studied were; Chemistry, Physics, Zoology , Botany

*Board of Intermediate and Secondary Education Sukkur* Pakistan

**Secondary School Certificate (HSC) Science**  1989-1991

Major Subjects studied were; Mathematics, Chemistry, Physics, Biology

***PROFESSIONAL EXPERIENCE***

*CURRENT JOB*

***NATIONACOORDINATOR*** Islamabad, Pakistan

Plant Protection / Plant Sciences 2018- todate

Plant Sciences Division

Pakistan Agricultural Research Council (PARC)

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WORKING KNOWLEDGE

Knowledge of English is proficient, however limited knowledge of FAO official languages (Arabic and Chinese).

LEADERSHIP SKILLS

Communication, Partnering and advocating, Knowledge sharing and improvement, strategic thinking, Leading engaging and accommodating, target oriented and result focused etc

***PREVIOUS JOB / DUTIES***

**Principal Scientific Officer / Associate Professor (SPS-10)**  Islamabad, Pakistan

Crop Diseases Research Institute (CDRI) 2017- 2023

Department of Plant & Environmental Protection (DPEP)

National Agricultural Research Center (NARC)

Pakistan Agricultural Research Council (PARC)

Project planning, formulation and appraisal on Agriculture for sustainable development. Office Procedures and Practices, Scientific Writings and publications on Agriculture policies, research and development. International funding opportunities / project developments on different sectors related to climate change, environment, and sustainable agriculture development to address the UN Sustainable development goals (UNSDG’s). International organizations includes Islamic Development Bank (IsDB), World Bank (World Vegetable), Food and Agriculture Organization (FAO), Intergovernmental Panel on Climate Change (IPCC), China Pakistan Economic Corridor (CPEC), International Plant Protection Convention (IPPC), Conventional o Biological Diversity (CBD),European Union Marie Sklodowska-Curie Actions (MSCA), European Framework Program (HORIZON) for Research & Innovation, The World Academy of Sciences (TWAS), Korea Program on International Agriculture (KOPIA), The Scientific and Technological Research Council of Turkey (TUBITAK), International Maize and Wheat improvement Center (CIMMYT), International Center for Agriculture Development in the Dry Areas (ICARDA), Pakistan Science Foundation (PSF) etc.

**Senior Scientific Officer (SPS-09)**  Islamabad, Pakistan

Crop Diseases Research Institute (CDRI) 2011- 2017

Department of Plant & Environmental Protection (DPEP)

National Agricultural Research Center (NARC)

Pakistan Agricultural Research Council (PARC)

**Diseases Diagnostic Services to Pakistan:**

Services provided to Plant Protection Department in quarantine pathogen, Potato cyst nematode (*Globodera rostochinensis*), that hinders the Pakistan Potato Crop Export in Year 2013-14. The diagnostics services build confidence of importer countries; Russia & Iran and restore the export agriculture trade of Pakistan.

Research on quarantine pathogens, Karnal Bunt of Wheat (*Tillitia indica*) with collaboration of Wheat

Wide Crosses (WWC) and Crop Diseases Research Institute (CDRI) **.**Biological control strategies and establishment of indigenous bio-control agent formulation for controlling different emerging crop diseases on cereals, fruits, fibers, vegetables and other economic cash crops of Pakistan in perspective of **Good Agricultural Practices (GAP)**, and technology transfer to the farmer field through farmer field school (FFS) approaches of agriculture extension.

**Diseases Diagnostics Services** : Potato cyst nematode (PCN) caused by soil-born pathogen (SBP) *Globodera rostochinensis*, potato fungal diseases caused by soil-born fungal pathogen (*Phytopathoera infestance*), potato bacterial diseases caused by soil-born pathogen , *Streptomyces scabies* and viral diseases caused by Potato Virus X (PVX) and Potato Virus Y (PYV) in Pakistan and their Integrated Management, with the collaboration of RADP, ALP PARC.

***Scientific Officer (BPS-17)***  Islamabad, Pakistan

Crop Diseases Research Program (CDRP 2008- 2011

Institute of Plant & Environmental Protection (IPEP)

National Agricultural Research Center (NARC)

Pakistan Agricultural Research Council (PARC)

Diseases Diagnostics Services to all over the country. Integrated Management of Root-knot nematode in Tomato and Okra. Collaboration with vegetable program and fodder program in research and development. Studies on plant genomics and biotechnology using vector *Agrobacterium tumefacien* for gene transformation in department of Plant Genomic and Biotechnology, National Institute of Genomics and Agriculture Biotechnology (NIGAB), NARC.

***Assistant Scientific Advisor (BPS-18)*** Islamabad, Pakistan

Desk Officer 2007-2008

International Liaison/ Planning & Co-ordination

Ministry of Science & Technology

Government of Pakistan

Developing collaboration with International & National Policy making governing bodies of World in the field of Science & Technology. The main focus collaboration with UNESCO, ISESCO, SAARC, JICA, etc pertaining international seminars, training courses, scholarships, MoUs and other interstates and intrastate dialogues among the friendly countries in S&T. The major fields of collaboration in engineering subjects, energy innovations for renewable energies & technologies, emerging applied sciences, water research for sustainable development, alternate sources of energies etc.

Administrative matters related to the following organizations under the administrative control of Ministry of Science and Technology; as

Center for Applied and Molecular Biology (CAMB),

Council for Work and Housing Research (CWHR),

National Institute of Electronics (NIE),

National Institute of Oceanography (NIO),

National University of Science & Technology (NUST),

Pakistan Council for Science & Technology (PCST),

Pakistan Council for Research in Water Resources (PCRWR),

Pakistan Engineering Council (PEC),

Pakistan National Accreditation Council (PNAC),

Pakistan Science Foundation (PSF),

Pakistan Standards & Quality Control Authority (PSQCA),

Pakistan Technology Board (PTB),

STEDEC Technology Commercialization of Pakistan (Private) Limited.

***Scientific Officer* (BPS-17)** Islamabad, Pakistan

Crop Diseases Research Program (CDRP) 2003-2007

Institute of Plant & Environmental Protection (IPEP)

National Agricultural Research Center (NARC)

Pakistan Agricultural Research Council (PARC)

Ministry of Food, Agriculture & Live Stock (MINFAL)

The main focused research areas were Identification, isolation and management of Plant Parasitic Nematodes (Potato Cyst Nematode, Citrus Nematode, Rice-Wheat cropping system Nematode, Banana Nematode, Vegetables Nematode, Tobacco Nematode etc), National Integrated Program Nat-IPM (Education component) in which the development of curriculum on the indigenous knowledge/techniques used in local agriculture practices to control the endemic/epidemics of certain diseases/pathogens on field crops and to incorporate in the syllables of the Agriculture Colleges and University of National level. Diseases Diagnostics Services under which the field crop samples were received from all over the Pakistan, assessed in laboratory for the pathogen causing problem, and their management strategies. Management of Citrus nematode *Tylenchulus semipenetrans*, causing citrus decline in the Punjab and NWFP. The ecological survey for the identification the incidence and severity of cereal cyst nematode in Pakistan and their management strategies. Management of RKN (root-knot nematode) in Tomato and Okra vegetable and the race analysis of the *Meloidogyne sp*. responsible the hypertrophy and hyperplasia symptoms in all susceptible host crops.

***Scientific Officer* (BPS-17)**

Karakoram Agricultural Research Institute for Northern Areas Northern Areas, Pakistan

(KARINA), Juglote Gilgit 2001-2002

Pakistan Agricultural Research Council (PARC)

Ministry of Food, Agriculture & Live Stock (MINFAL)

Research & Development for the sustainable agriculture in remote valleys of Northern Areas districts including Chilas, Astore, Skurdu, Gilgit, Ghizar, Hunza etc. Liaisining with National and International Non-Government Organizations (NGO’s) such as Agha Khan Rural Support Program (AKRSP), National Rural Support Program (NRSP), International Fund for Agriculture Development (IFAD), United Nations Development Program (UNDP), International Union for Conservation of Nature (IUCN), World Wide Fund for conservation of Nature (WWF), International Center for Mountain Development ICIMOD etc, for the community development in Northern Areas.

The major areas of research & development were Live Stock management, Availability free seed of high yielding varieties of cereal (Wheat, Maize etc), Production of Diseases free healthy nurseries of Stone Fruits for the introduction of new orchards and availability of free access to the community for nursery. Introduction of Plastic Tunnel Technology for the growing of off season vegetables during the winter season. Improvement of Medicinal Plants management and their access in local markets. Availability and access of irrigation water for Sustainable Agriculture through community development approach. Introduction of Seabuck thorn for soil conservation and soil erosion, manufacturing of medicinal value added products (Jam, Oil, Syrup, Biscuits etc) from Seabuck thorn’s fruit, seeds and leaves.

***PERSONNEL DATA***

Profile: Married Male Pakistani

Languages: English , Arabic, Urdu, Punjabi , Sindhi ,

Date of Birth: 15th March 1974

*CNIC:*  45304-4968121-9

Passport No: NJ1156113

*Present Address*: Flat 1, Block 06/E, CAT-III, G-10/3, Islamabad, Pakistan.

*Permanent Address:* House No. II-B, 162, Khanzada Mohallah, P.O & District Naushahro Feroze, Sindh.

***PROJECTS DEVELOPED / COMPLETED***

**Projects Developed:**

Preliminary studies on surveillance, monitoring and management of Potato cyst nematode PCN and establishing PCN free zones to agribusiness export restoration in Pakistan. **PAKISTAN-SPAIN ANNUAL BILATERAL CONSULTATION- JULY 2020.**

“Soil born pathogenic root nematodes of Banana (*Musa sp*.), their association with other biotic stresses causing wilt syndrome complex and their management strategies in Sindh Province Pakistan.” **Pakistan Science Foundation (PSF), Ministry of Science & Technology, Government of Pakistan. 2020. (Under Review)**

“Determination of soilborne agriculture qurantine regulated pest of potato crop “golden cyst nematode or potato cyst nematode (*globodera spp*.)” Free zones in pakistan.” **Science, Technology & Innovation (STI) Policy Research Initiative of PCST**. Ministry of Science & Technology, Government of Pakistan. 2020

“Agricultural Technology Cooperation through the Establishment of Korea Program on International Agriculture (KOPIA) Center in Pakistan” **(CDRI Component) 2019.**

 “Prevalence and distribution of soil born cereal cyst nematode (*Heterodera spp*.) of cereal crops in Pakistan.”

**Pakistan Science Foundation (PSF), Ministry of Science & Technology, Government of Pakistan. 2019**

Banana wilt (*Fusarium wilt* ) complex with specific soil borne pathogenic nematode factors association and their management strategies in Sindh Province Pakistan.  **Australian Center for International Agriculture Research (ACIAR) 2019**

“Plant quarantine regulated pest potato cyst nematode (*Globodera spp*.) PCN management and identification of PCN pest free zones in Punjab Province and Gilgit Baltistan Province.” **Pakistan Science Foundation (PSF), Ministry of Science & Technology, Government of Pakistan. 2019**

“Mitigating the emerging threat soilborn root-knot nematode *Meloidogyne graminicola* to the rice-wheat cereal cropping system in Pakistan.”*NATIONAL/REGIONAL PROPOSALS UNDER* ***FAO-TURKEY PARTNERSHIP*** *PROGRAMME 2018*

 “Studies on Biotic Stresses Impact on Fruit Plant of Family *Rosaceae* (Apple, Pear, Loquat, Apricot, Peach, Plumes, Cherries, and Almond) and their integrated Management in Pakistan **. ALP Secretariat, PARC (CS063**)”.

“Management of *Fusarium* wilt of banana (Panama wilt) in Sindh.” (2.9 million) **(RADP –Secretariat, PARC 2014).**

Projects Completed:

“Preliminary and Management studies on Citrus Decline” **ALP Secretariat, PARC (2007).**

***TRAININGS National (Pakistan)***

1. "Orientation and Training of Newly Inducted Scientific Officers/Assistant Agri.

Engineers in PARC System" held from 15th January to 24th February, 2001 at Agriculture Training Institute, National Agricultural Research Centre, Islamabad.

2. “ Training Course on Techniques for Scientific Writings” Training Institute National Agricultural Research Center, PARC December 23, 2003 to January 06, 2004.

3. “Office Procedure and Practices” part time training course at Secteriate Training Institute (STI) Establishment Division, Government of Pakistan Islamabad. March 29, 2004 to April 24 , 2004 at STI H-9, Islamabad.

4. “ Orientation Workshop for Professionals and Stakeholders of National IPM Project on October 28-30, 2004 at NARC, Islamabad.

5. “ Project Planning, Formulation and Appraisal” December 06, 2004 to December 10, 2004 at NARC, Islamabad.

6. “ Awareness Workshop for Familiarization of Teachers On Farmers Field School Approach & Training of Facilitators, February 23-25, Peshawar.

1. GRE & TOEFL Test Preparation Course, Funded By USDA (WPEP) & Implemented By CIMMYT, United States Educational Foundation in Pakistan. February 24- April 20, 2014.

***International (Foreign)***

**1. Training course on, “Integrated Pest Management” 15th January To 31st March, 2012 at**

**The Egyptian International Center for Agriculture (EICA), Ministry of Agriculture and Land Reclamation, Cairo, Egypt.**

Skill Development on IPM, Diseases Forecasting, Environmental Impact Assessment, Pesticides resistance, compatibility, residues, hazards etc., IDM/ICM for diseases management tactics, Post harvest diseases management, Tissue culture, Biological control, Economic damage threshold, Rodents control, Weed control, Locust control, Stored insect pest control, Organic Agriculture; their regulation and registration, Plant nutrition management in organic agriculture, Plant protection under organic agriculture farming, Europe GAP (Good Agriculture Practices), Extension Services in ICN/IPM, Principal of agricultural extension, Role of subject matter specialist in IPM, Extension teaching methods to communicate IPM recommendations, Diffusion and adoption of IPM recommended practices, Extension programme planning in IPM.

2. PhD Training Funded by China Scholarship Council (CSC), Department of Plant Pathology, College of Plant Protection, China Agriculture University, Beijing P.R China. 2014-2018

***On line Virtual Conferences / Workshiops/ Training Courses***

1. COMSTECH Webinar on “Allama Iqbal’s Perspective on Science and Technology” Date: 5th July 2022
2. International advanced training course on intellectual property. Date: 27-28 July, 2022
3. International Workshop on the Role of Artificial Intelligence (IW-RAI) in Healthcare, Agriculture and Energy Sectors, Time: Aug 4, 2022 09:00 AM Islamabad,
4. HALAL TESTING AND CERTIFICATION INTERNATIONAL WORKSHOP, Time: 9:00-18:00 Eastern Africa Time , Date: 22 to 26 August 2022
5. “Role of PCRWR in Addressing Water Security Challenges of Pakistan” *Council of Research in Water Resources (PCRWR),*  Date: August 03rd , 2022.
6. International Training Workshop on Managing Science and Technology Parks (STPs)
7. Time: Sep 7-8, 2022 09:30 AM Islamabad,
8. PAKISTAN-TURKEY-KAZAKHSTAN YOUTH FORUM ON BIOTECHNOLOGY , Time: Sep 13, 2022 08:30 AM Islamabad,
9. International Virtual Seminar on “Solutions to Combat Food Insecurity and Malnutrition in the Sahel" to be held at the Science Summit during the 77th Session of the United Nations General Assembly (UNGA) on 26th September, 2022.
10. "INTERNATIONAL SYMPOSIUM ON EXCELLENCE IN SCIENCE" ICCBS/Comstech. 22-24 September 2022.
11. NAPRECA - COMSTECH Summer School, “Phytomedicine - from the bush to the shelf” 31st October – 4th November 2022
12. World Food Day 2022; Addressing Pakistan Food Security Challenge -Post Floods (Virtual Event Only), Date: 11th October 2022
13. International Symposium on "Role of Basic Sciences for Sustainable Development. COMSTECH Secretariat, on 13th October from 14:00-17:00 Pakistan Standard Time.
14. Panel Discussion and Report launch on “Climate Finance for WASH brief - Pakistan, 22nd of December 2022 at 10:30AM – 2:00PM. SDPI Islamabad.
15. Invitation to SDPI Special Seminar on Precision Agriculture and use of AI technologies in Pakistan, Oct 07, 2022, SDPI Islamabad.
16. 39th International Vegetable Training Course on “Post-Harvest management for Fruits and Vegetables.
17. Participation in virtual training program AARDO-FERO Sustainable Practices for Smart Agriculture and Livlihood in African-Asian countries 25-29 October 2022
18. "Agri-Tech Solutions and Approaches to Sustainable Rural Development" hosted by IIT-Delhi, during 21-25 June 2021.
19. Online International Training Programme on Modern Concepts in Plant Diseases and Pest Management for Enhancing Quality and Productivity during 11-14 October 2022, UNZA, Zambia

**2021** Online Certificate Course on “**Molecular Biology Techniques**” Organized by: COMSTECH Secretariat, Islamabad in Collaboration with the International Center for Chemical and Biological Sciences (ICCBS) Karachi, Pakistan January 11-12, 2021.

2021 COMSTECH Webinar on “**Pandemic lessons for science communication**- 6th Jan 2020”

2021 Public Lecture by COMSTECH on “Engagement in Medical Research to Promotes National Health and

Wellbeing. 21 January 2021.

2021 “**International Workshop on Fundamental Techniques in Viral Diseases Diagnostics**” COMSTECH. 25-27 January , 2021.

2021 Partial discussion on STEM- Women in the Covid-19 Pandemic”. COMSTECH 11th February 2021.

2021 “**The Story of Favicovir, Domestic Drug Development for Covid-19 Treatment**. COMSTECH, 18th February 2021.

2021 “**Basic Plant Tissue Culture Techniques**” On line course 16-17 February, 2021 by COMSTECH (OIC) Islamabad Pakistan.

2021 “**Rural Resource Management and Climate Change Adaptation**” On line International Training Programme by National Institute of Rural Development and Panchayati Raj (NIRDPR), India and Africa-Asian Rural Development Organization (AARDO) on 15-24 February 2021.

2021 “**Science Communication and Public Engagement**” International Center for Chemical ad Biological Sciences (ICCBS) , Pakistan Biotechnology Information Center (PABIC) Karachi Chapter and COMSTECH Islamabad, Pakistan on 9th March 2021.

2021 International Seminar on “**Seismicity, Seismotectonic, Seismic Hazzards Including geological & Geophysical Aspects”** COMSTECH and QAU, Islamabad Pakistan on 11-12 March 2021.

2021 Two Fluid Plasma model for the generation of seed magnetic fields and astrophysical jets” COMSTECH, 24th March 2021.

**2020** Global Al-Farabi Forum, December 21-22, 2020, Islamabad

2020 “COMSTECH Webinar on ***Opportunities for Production of Affordable Biosimilar Medicines, and Plant-Based Novel Therapeutics, in the Islamic World"*** by Prof. Dr. Ahmed Abdullah Azad on 12th November 2020.

2020 2-Days Hands-on Workshop on " ***Contextual probability: concepts, implementations and applications***" 26 October and 27 October 2020 (2pm to 6 pm)”

2020 “***Plants and Their Metabolites as Leading Molecules for Pharmaceutical Industry***” on 20th October

2020. COMSTECH Webinar

2020 “A virtual Seminar- ***World Food Day*** , 16th October 2020” COMSTECH Webinar.

2020 A Public Lecture by Dr. Naweed. I. Syed “***Brain – Machine Interface: Future of Artificial Intelligence, Machine Learning and Singularity***” 16th Oct, 2019 (10.00 - 11.00 a.m.) Venue: COMSTECH Secretariat, Islamabad

2020 COMSTECH virtual seminar on ***Saline Agriculture -Solution to Global Food Security*** on 29th September 2020. COMSTECH Webinar.

2020 Online Course on IP ***"Intellectual Property For Scientists"*** for Scientists. September 9, 2020, COMSTECH.

2020 ***International Symposium on Ecological Restoration and Management of Aral Sea*** . CAREC Institute Capacity Building.

2020 Online ***5th Symposium on Potato Cyst Nematode Management*** . Association of Applied Biologists Warwick Enterprise Park,Wellesbourne,WARWICK.CV35 9EF, UK.

2020 Training program on ***Development and Management of Special Economic Zones under the Belt and Road Initiative*** on December 22-23. Economic Cooperation Organization - Science Foundation (ECOSF).

2020 Online workshop “***Advances in Nematology Conference***” 15th December 2020.UK

2020 ***HEC Digital Library Collections For Your Next Scholarly Research***. October 14, 2020. Higher Education Commission. Islamabad.

2020 ***Elsevier Webinar for Pakistan research community on Strengthening Research Planning using Elsevier Tools-Scopus, Science Direct & Mendeley***. Pakistan Society of Nematology, NNRC, University of Karachi. October 2020.

2020 Travelling Sugarcane Seminar under PSDP Project “***Productivity Enhancement of Sugarcane***” Plant Sciences Division, PARC 22nd November 2020- 04th December 2020.

**2019** ***Seminar on Science Diplomacy***, 27th November 2019, COMSTECH, Secretariat, Constitution Avenue, Islamabad.

2019 15th Nematological Event"***Significance of Nematode Identification for Better Management***” National Nematological Research Center (NNRC), University of Karachi, 30th -31st December, 2019

***REFREED PUBLICATIONS***

**HEC Refereed Journal**

2022 Shahid Ahmed, Muhammad Fayyaz, Shahzad Asad, Muhammad Amjad Aiand Abdelfattah A. Dababat (2002) Discovery and distribution of root lesion nematode *Pratylenchus neglectus* in wheat fields NARC Pakistan.

8th International Cereal Nematodes Symposium, Abant, Turkey  26-29 Sept 2022.

**2020 S. Ahmed,** L.Yue,Q. Liu and H. Jian 2020. Evaluation of media for mass production and fermentation of

*Pseudomonas spp*. for integrated management of cereal cyst nematode (*Heterodera avenae*). 38 (1) 45-55.

2019 L.Yue, **S. Ahmed**, Q. Liu and H. Jian 2019. Management of *Meloidogyne incognita* on tomato with different

biocontrol organisms. Pakistan Journal of Nematology 37 (2) 53-62.

2019 **S. Ahmed**, Q. Liu and H. Jian 2019. Bacillus cereus a potential strain infested cereal cyst nematode (Heterodera

avenae). Pakistan Journal of Nematology 37 (1) 53-62.

2018 **S. Ahmed**, Q. Liu and H. Jian 2018. Bio-control potential of *Bacillus* isolates against cereal cyst nematode

(*Heterodera avenae*). Pakistan Journal of Nematology 36 (2) 1-26.

2018 **S.Ahmed**, A.Munir, S. Asad and A. Muhammad. 2018. Panama wilt of banana orchards in Sindh Province,

Pakistan. Pakistan Journal of Nematology. 36 (2) pp. 223

2018 **Shahid Ahmed,** Qian Liu and Heng Jian. 2017. *Bacillus cereus* a potential strain infested cereal cyst nematode

(*Heterodera avenae*). Pakistan Journal of Nematology.

**2017 Shahid Ahmed.** 2017. Seed bacterization with Pseudomonas isolates against Wheat cyst nematode. Bangladesh

Journal of Botany. 46(3) 995-1000.

**2015 S. Ahmed,** A. Munir, S. hameed, S. Asad, M. Fayyaz, M. Zakaria and M. Umer. 2015. Prevalence of nematode in

different districts of Punjab, Pakistan.Pak. J. Nematol. Vol.33 (1). pp. 99- 104

**2012 Khanzada**,S.A, Naeemullah, M., Munir, A., Iftikhar, S., and S,. Masood.2012. Plant parasitic nematodes associated

with different menthe species. Pak. J. Nematol. Vol.30 (1). pp. 21- 26

**2009** **S. Ahmed,** Munir, A., Burney, K., Hameed, S., and H.U.Rehman. (2009). Seasonal population dynamics of

*Tylenchulus semipenetrans* in citrus orchard, NARC, Islamabad. Pak. J of *Nematole*., NNRC Univ. of Karachi. 27 (2).pp.

**2008 Khanzada, S.A,** Iqbal,A, Munir, A., Burney, K., Hameed, S., and H.U.Rehman. (2008). Incidence anddistribution

of citrus nematode *Tylenchulus semepenetrans* in citrus orchards of Punjab. Pak. J of *Nematole*., NNRC Univ. of Karachi. 26 (1).pp. 51-58.

**2007 Khanzada, S.A,** Munir, A., Jamal, A., Ahmed., Z and M. Bashir. (2007). Nematode fauna associated with medicinal

plants. Pak. J of Nematole., NNRC Univ. of Karachi. 25 (1).pp. 53

**2006 Shahid Ahmed Khanzada,** Sheikh Muhammad Iqbal and Abida Akram. (2006) In Vitro efficacy of plant

leaf extracts against *Sclerotium rolfsii* Sacc. Journal of Mycopath. Vol. 4(1)51-53.

**2006 Khanzada, S.A**, Hussain, S., Sultan,A., Jamal,A., Fayyaz , A., and M. Bashir. (2006). Screening of Mashbean

(*Vigna Mungo* L.) and Mungbean (*Vigna Radiata* (L) Wilczek) Accessions for resistance to MYMV under natural filed conditions. *Pak. J. Phytopathol*., Vol. 18(2): 136-139.

**2005 Khanzada,S.A.,** Munir,A., L.K. Kokhar. (2005) . Nematode associated with diseased and healthy

Shisham(*Dalbergia sisso* Rosb.) trees. ***Pak. J. Nematol.,* 23 (1): 41-44**

**2003 Khanzada, S.A.,** and B.A, Khan (2003). New host of root-knot nematode in Pakistan. Pak.J. of Nematol. 21(2).

 ***SUBMITTED FOR PUBLICATIONS***

**2017 Shahid Ahmed,** Qian Liu and Heng Jian. 2017. Effect of *Bacillus* spp. Isolates against Cereal Cyst Nematode

 *Heterodera avenae* in Beijing China. The 6th International Cereal Nematode Symposium (ICNS)11

 to15 September, 2017 Agadir, Morocco. Accepted for oral presentation.

**2013 Ahmed,S**., Munir, A., Asad.S and M. Aish. (2013) Banana nematode (*Rodopholus similis*) and Panama

Wilt in Sindh. *Pakistan Journal of Phytopathology*. 2013 (Submitted for Publication). Submitted

for third International conference of Phytopathology Society of Pakistan to be held in January 2014 at Karachi.

**2013** Asad,S., **Ahmed**,S., Munir,A., and A.R, Rattu. 2013. Incidence of Karnak Bunt (*Tilletia indica*) of Wheat

in seed lots of Hafizabad and Khanpur. Submitted for third International conference of Phytopathology Society of Pakistan to be held in January 2014 at Karachi.

***CONFERENCE PROCEDDINGS***

**2009 Ahmed, S.,** Munir,A., Burney, K., Hameed , S., and H.U. Rehman. 2009. Seasonal Fluctuation in

Population Dynamics of *Tylenchulus semipenetrans* in Citrus Trees. 35th All Pakistan Science Conference on “Genomics for Health and Prosperity”. Univ. of Karachi. December 20-23.

**2008 Khanzada, S.A,** Munir, A., Burney, K., Hameed, S and H.U.Rehman (2008). Incidence and distribution

of citrus nematodes in citrus orchards of Punab causing decline. Prospects of horticultural Industry in Pakistan. Inst. of Hort. Science. Univ. of Faisalabad Pakistan.

**2002** Husain.S, Ali,A., Bashir,M., Iqbal,S.M., **Khanzada,S.A** and Z.Ahmed. (2002). Evaluation of Lentil

Germplasm against *Aschocyta blight* disease. In Proceeding: Sustainable Utilization of Plant Genetic Resources for Agricultural Production. Plant Genetic Resources Institute, National Agriculture Research Center, Islamabad, Pakistan.

**2002** Bashir,M., Hussain,S., **Khanzada**,**S.A**, Zubair,M., Arshad,M., Anwar, M., and Z. Ahmed(2002). Field

Evaluation of Mungbean and Urdbean Germplasm for Resistance to Mungbean Yellow Mosaic . In Proceeding: Sustainable Utilization of Plant Genetic Resources for Agricultural Production. Plant Genetic Resources Institute, National Agriculture Research Center, Islamabad, Pakistan.

**2002 Khanzada , S.A**. Pathan,M.A., Lodhi, A.M., Rajput, M.A. and K.A. Khanzada (2002).Promising Control

of *Meloidogyne javanica* Root-knot Nematode on Egg plant *Solanum Melongena* L. First National Symposium on Nematology at Karachi, 7-9 January. Karach.

**2002** Khanzada, K.A., Aslam, M., Sarwar, G., Iqbal, K. and **S.A Khanzada**. (2002). Survey and Pathogenic

Studies on *Meloidogyne javanica* (Treub) Chitwood Associated with *Solanum Melongena* L. First National Symposium on Nematology at Karachi, 7-9 January. Karachi.

***ABSTRACTSS***

**2003 Khanzada, S.A**, Khan, B.A, Naz, F. and R.Khan (2003). Incidence of Crown Gall in Northern Areas of

Pakistan. Abstract, 8th National Meeting of Plant Scientists. 26-28 February. Department of Botany, University of Karachi, Karachi-75270.

**2008 Ahmed , S**., and M. Fayyaz. 2008. Plant Biotechnology and Agriculture. 35th All Pakistan Science

Conference on “Genomics for Health and Prosperity”. Univ. of Karachi. December 20-23.

***MEMBERSHIPS***

1. Pakistan Botanical Society
2. Pakistan Nematological Society
3. Pakistan Zoological Society
4. ICIMODE
5. USAID
6. ICARDA
7. FAO
8. CGIAR
9. CIMMYT International
10. ICRISAT

Parveen@1974