

DR. TABASSUM ARA KHANUM

SCIENTIFIC OFFICER

National Nematological Research Centre,
University of Karachi, Karachi-75270, Pakistan
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PROFILE:		
A keen learning person seeking a challenging career in a research association where I can utilize my research work in the field of Entomopathogenic, other bacterial feeding nematodes with symbiotic bacteria for molecular and morphological characterization and mass production for use as biopesticide and biofertilizer.		
PERSONAL		
FATHER'S NAME:	Mohammad Salman Uddin Khan (late)	
DATE OF BIRTH:	3 rd March 1970	
NATIONALITY:	Pakistani	
RELIGION:	Islam	
MARITAL STATUS:	Married	
DOMICILE:	Sindh	
HOME ADDRESS:	F2,C-204 Royal Homes Block 6, near crown bakery, Gulshan-e-Iqbal Karachi	
Impact Factor	20	
Citations	54	
Accession numbers	20	
EDUCATION/QUALIFICATION		
Degree	Topic/ Division	Institute
Ph. D. Zoology (Nematology) 2010	Thesis topic: "Taxonomy of plant and soil nematodes of sugarcane fields with special reference of entomopathogenic nematodes"	National Nematological Research Centre, University of Karachi
M. Sc Zoology	Ist Division (1994)	Jinnah Post Graduate College for Women.
B. Sc	IInd Division (1991)	Jinnah Post Graduate
Intermediate	IInd Division (1987)	Karachi Board
Matriculation	Ist Division (1984)	Karachi Board
MAJOR ACHEIVEMENTS:		
Published one book, one chapter, 42 research papers, one International and 9 National patents,. Granted the "Productivity allowance" by Pakistan Council of Science and Technology for the year 2012 and 2015. Described 25 new 38 known species, with the application of entomopathogenic nematodes and other bacterial feeding nematodes on different insect pests as biopesticide and use as a biofertilizer for plant and soil health, respectively. Awarded shield from Karachi University Officers welfare Association for		

<p>2011-2013. Awarded a shield on the occasion of 3rd International Conference of Pakistan phytopathological society January, 23-25, 2014. Awarded a shield on the occasion of first National Symposium on Plant Responses to Environmental Stresses" Recent Advances in Agriculture and Farming, November 15, 2014.</p>
<p>RESEARCH EXPERIENCE:</p> <p>20 years research experience in plant, soil and entomopathogenic nematodes taxonomy, identification, control of insect and nematodes by using entomopathogenic nematodes as bio-pesticides and bio-fertilizer.</p>
<p>PROFESSIONAL RESPONSIBILITIES</p> <ul style="list-style-type: none"> • Teaching of MS and Ph. D students • Supervision of research work of MS and Ph. D students • Assessment of MS and Ph.D. theses • Organizing trainings / workshops / seminars
<p>EXPERIENCE:</p>
<p>➤ Served as Scientific Officer BPS- 18 from 8th October 2016 till to date.</p>
<p>➤ Served as Incharge, National Nematological Research Centre, University of Karachi, Karachi from 29th August 2016 to 7th October 2016.</p>
<p>➤ Upgraded Scientific Officer BPS- 18 from 20 December, 2015 till to date.</p>
<p>➤ Appointed Research Officer BPS- 17 from 13 November, 2014 till 19 Dec, 2015. (Through selection board)</p>
<p>➤ Adjust the post Lab Technician (but the grade due to Ph.D is BS-17) 12 Aug, 2012.</p>
<p>➤ Upgraded as lab Assistant BS-17 (after completion of Ph.D.) in NNRC from Dec 2010.</p>
<p>➤ Appointed as – Lab Assistant BS-07 in NNRC 12 July 2006 to 12 Dec 2010.</p>
<p>➤ Served as -"Research Associate" in the PSF Project No. S-KU/AGR (285), entitled "Studies on the Field Efficacy of the Entomopathogenic Nematodes" 1st July 2002 to 30th June 2005 at National Nematological Research Centre, University of Karachi, Karachi.</p>
<p>➤ Served as research fellow in the PSF Project No. SKU/AGR (217), entitled "Studies on the Entomopathogenic nematodes in Sindh" 1st July 1997 to 30th June 2000 at National Nematological Research Centre, University of Karachi, Karachi.</p>
<p>Awards:</p>
<p>➤ Granted the "Productivity allowance" by Pakistan Council of Science and Technology for the year 2012.</p>
<p>➤ Awarded shield from Karachi University Officers welfare Association for 2011-2013.</p>
<p>➤ Awarded a shield on the occasion of 3rd International Conference of Pakistan phytopathological society January, 23-25, 2014.</p>
<p>➤ Granted the "Productivity allowance" by Pakistan Council of Science and</p>

Technology for the year 2015.
➤ Awarded a Certificate "World IP-Day May 2, 2017 Innovation -Improving lives presented by Intellectual property Organization Pakistan.
➤ Awarded a certificate on the occasion of "1st International Exhibition and Festival on new Urban technologies ICS, 4-6 August 2017, Isfahan, Iran
PAPER PRESENTED IN CONFERENCES
International
1. Improved and cheaper diet for rearing <i>Galleria mellonella</i> larvae, used for Isolation and Mass Production of Beneficial Organisms presented on International Symposium on the Research and Development of Entomopathogenic Nematodes” held at Sanya, China, April 9 – 13, 2009.
2. Status of Entomopathogenic Nematodes as Bio-Control agent inPakistan presented on 6 th International Congress on Nematology at Cape town South Africa, 4-9 May, 2014.
National
1. <i>Plectus karachiensis</i> n. sp. (Nematoda: Plectidae) with observation on <i>P. raabei</i> Brzeski, 1963 from Pakistan presented on 3 rd National Conference of Plant Pathology 1-3 October 2001, at National Agricultural Research Centre, Islamabad, Pakistan.
2. <i>Osheius maqbooli</i> n. sp. and observation on three known <i>Rhabditis</i> species (Nemata: Rhabditida) from sugarcane fields of Balochistan, Pakistan presented on National Symposium on Nematology 7-9 January, 2002, at National Nematological Research Centre, University of Karachi, Pakistan.
3. <i>Distolabrellus pakistanensis</i> n. sp. (Rhabditida: Mesorhabditinae), a new insect parasitic nematode from Pakistan presented on International Symposium on Biodiversity of Nematode Fauna of Pakistan 17-19 May 2004, at Karachi, Pakistan.
4. Entomopathogenic Nematodes As Biopesticides Against Sugarcane And Rice Insect Pests of Sindh Pakistan presented on 5 th Meeting of Pakistan Phytopathological Society, International Symposium on Plant Disease Management (20-22 December, 2005), University of Karachi, Karachi
5. <i>Cuticularia conica</i> n. sp. with one new record from Pakistan presented on 9 th National Conference of Plant Scientists. 13-15 February, 2006, at the Institute of Botany, University of Sindh, Jamshoro, Sindh, Pakistan.
6. Status of Entomopathogenic Nematodes as Bio-Control agent in Pakistan presented on 35 th all Pakistan Science Conference, “10 th Nematological Event: International Conference on Nematology in Pakistan”, at University of Karachi (December 20-23, 2008).
7. Nitrogen enhanced by bacterial feeding nematodes presented on International conference of chemistry and its role in science (ICCRS~1), “Chemistry: The Panacea of all Problems”, department of chemistry Jinnah University for Women, Karachi. (January 3 rd - 5 th , 2011).
8. "Nematode fauna of Pakistan an update" presented on Symposium on Biodiversity of Pakistan June 7-9 2011 at Islamabad.

9. Plant Responses to Environmental Stress presented on Recent Advances in Agriculture and Farming Jinnah University for Women (September, 15 2014).
10. Beneficial Nematodes Used As Biosafe-Agent for Plant Health presented on 33 rd Pakistan Congress of Zoology international 2-4 April, 2013, organized by the PMNH, PSF and PMAS Islamabad.
11. Two new entomopathogenic nematodes from <i>Oscheius, dolichura</i> group (Nematoda: Rhabditida) and Molecular work of <i>O. niazi</i> Tabassum and Shahina, 2010 from Sindh Pakistan presented on 36 th Pakistan congress of zoology (International) at Department of Zoology, University of Sindh, Jamshoro on 16-18 February 2016.
12. Biodiversity of Nematode fauna of Pakistan presented on Professor Dr. Abdul Ghaffar Memorial Seminar on Recent Trends in Plant Disease and Their Management held at Department of Botany Federal Urdu University of Arts, Science and Technology, Gulshan-e-Iqbal Karachi (August 10, 2016)
POSTER PRESENTATION
➤ Soil Nematode as Nitrogen Enhancer presented on Bio-EDU International Seminar on Advances in Molecular Genetics and Biotechnology for Public Education held at Jakarta, Indonesia, 6-8 June, 2012.
➤ Poster Presentation " World IP-Day 2017 Innovation -Improving lives presented by Intellectual property Organization Pakistan at Federation House Clifton.
➤ Poster Presentation 1st International Exhibition and Festival on new Urban technologies ICS, 4-6 August 2017, Isfahan, Iran
CONFERENCE AND WORKSHOP PARTICIPATED:
<u>INTERNATIONAL</u>
➤ Attended the "International Symposium on the Research and Development of Entomopathogenic Nematodes" held at Sanya 2009
➤ Attended Bio-EDU International Seminar on Advances in Molecular Genetics and Biotechnology for Public Education held at Jakarta 2012
➤ Attended China Modern Agriculture Expo 17-19 September 2013
➤ Attended 6 th International Congress on Nematology at Cape town South Africa 2014
➤ Attended 1st International Exhibition and Festival on new Urban technologies ICS, 4-6 August 2017, Isfahan, Iran
<u>NATIONAL</u>
➤ Workshop on Use of Bioassay Techniques for new Drug Development
➤ 3 rd National Conference of Plant Pathology 1-3 October 2001
➤ National Symposium on Nematology 7-9 January
➤ 8 th National Meeting of Plant Scientists, February, 24-28, 2003, Department of Botany, University of Karachi, Karachi, Pakistan.
➤ Marine Environment Resource, Pollution & Management, February, 21-22 2004 Organized by Centre of Excellence in Marine Biology, University of Karachi & the British Council Karachi at A.Q. Khan Institute of Biotechnology, University of Karachi, Karachi.
➤ Symposium on Biochemistry in Post Genomic Era Jointly organized PSBMB &

Department of Biochemistry, University of Karachi. July 17, 2004.
➤ Workshop on PCR application in Research and Diagnosis jointly organized by Department of Biochemistry , University of Karachi & PSBMB- Rahila Research & Reference Laboratories, October 16-18 2004, Karachi, Pakistan.
➤ International Symposium on Biodiversity of Nematode Fauna of Pakistan 17-19 May 2004, at Karachi, Pakistan.
➤ Workshop of Real Time PCR held on 15 th August 2005, at Dept. of Genetics, University of Karachi, Pakistan.
➤ Higher Education Commission–Digital Library Program a workshop on “Introduction to Digital Library Resources and their Effective Usage”. October 6, 2005 University of Karachi, Karachi.
➤ 5 th Meeting of Pakistan Phytopathological Society, International Symposium on Plant Disease Management (20-22 December, 2005), University of Karachi, Karachi
➤ 9 th National Conference of Plant Scientists. 13-15 February, 2006, at the Institute of Botany, University of Sindh, Jamshoro, Sindh, Pakistan.
➤ 6 th National Nematological Conference in Pakistan & Workshop on “Integrated Nematode Disease Management (INDM) in some cereals, fruit and vegetables of Pakistan” held at National Nematological Research Centre, University of Karachi, Karachi on 25-27 April, 2006.
➤ Symposium on Biochemistry in Post Genomic Era Jointly organized PSBMB & Department of Biochemistry, University of Karachi. July 17, 2004.
➤ Workshop on PCR application in Research and Diagnosis jointly organized by Department of Biochemistry , University of Karachi & PSBMB- Rahila Research & Reference Laboratories, October 16-18 2004, Karachi, Pakistan.
➤ International Symposium on Biodiversity of Nematode Fauna of Pakistan 17-19 May 2004, at Karachi, Pakistan.
➤ Workshop of Real Time PCR held on 15 th August 2005, at Dept. of Genetics, University of Karachi, Pakistan.
➤ Higher Education Commission–Digital Library Program a workshop on “Introduction to Digital Library Resources and their Effective Usage”. October 6, 2005 University of Karachi, Karachi.
➤ 5 th Meeting of Pakistan Phytopathological Society, International Symposium on Plant Disease Management (20-22 December, 2005), University of Karachi, Karachi
➤ 9 th National Conference of Plant Scientists. 13-15 February, 2006, at the Institute of Botany, University of Sindh, Jamshoro, Sindh, Pakistan.
➤ 6 th National Nematological Conference in Pakistan & Workshop on “Integrated Nematode Disease Management (INDM) in some cereals, fruit and vegetables of Pakistan” held at National Nematological Research Centre, University of Karachi, Karachi on 25-27 April, 2006.
➤ An International Training Workshop on Nematode Identification. 22 Oct.– 3 November, 2007 at National Nematological Research Centre, University of Karachi.
➤ 35 th all Pakistan Science Conference, “10 th Nematological Event: International Conference on Nematology in Pakistan”, at University of Karachi (December 20-23,

2008).
➤ 11 th Nematological Event: One-day Seminar” on “Molecular Techniques used in Nematology with emphasis on genetic diversity of wheat germ plasm” at KIBGE, University of Karachi (April 17, 2010).
➤ International conference of chemistry and its role in science (ICCRS~1), “CHEMISTRY: THE PANACEA OF ALL PROBLEMS”, department of chemistry Jinnah University for Women, Karachi. (January 3 rd - 5 th , 2011).
➤ Training course on Apiculture in Arts Auditorium, University of Karachi (May, 12 th 2011).
➤ Symposium on Biodiversity of Pakistan June 7-9 2011 at Islamabad.
➤ One day seminar entitled “Indigenous commercialization potential of academic research”, June 27 th , 2011 at Karachi Chamber of Commerce and Industry (KCCI)
➤ Fifth National Seminar on “Intellectual Property Rights” in PCSIR Laboratories Complex, Karachi, October 29, 2011.
➤ “Workshop on Patent Protection for R&D” jointly organized by PASTIC, PSF and HEJ held at Karachi University, February 01, 2012.
➤ Seminar on EU Seventh Frame work Programme (FP7, 2007-2013) September 12, 2012, held at Islamabad.
➤ 9 th Biennial International Conference of Pakistan for Microbiology organized by the Department of Microbiology, University of Karachi on January 28-31, 2013.
➤ 33 rd Pakistan Congress of Zoology international 2-4 April, 2013, organized by the PMNH, PSF and PMAS Islamabad.
➤ Organic product certification four days workshop organized by National Productivity Organization, Ministry of Industries and Production Government of Pakistan. 9-12 April, 2013 University of Karachi, Karachi.
➤ 13 th Nematological Event on Prospective of Nematology in Pakistan at Sheikh Zaid Research Institute University of Karachi (23-25 January, 2014)
➤ 2 nd International Conference on Agriculture, Food and Animal Sciences, organized by Sindh Agriculture University, Tandojam, Pakistan (February 25-26, 2015).
➤ 35 th Pakistan congress of zoology (International) at Sheikh Zaid Research Institute University of Karachi (March 1-4, 2015).
➤ 36 th Pakistan congress of zoology (International) at Department of Zoology, University of Sindh, Jamshoro (February 16-18, 2016).
➤ Professor Dr. Abdul Ghaffar Memorial Seminar on Recent Trends in Plant Disease and Their Management held at Department of Botany Federal Urdu University of Arts, Science and Technology, Gulshan-e-Iqbal Karachi (August 10, 2016)
➤ World IP-Day 2nd May 2017 Innovation -Improving lives presented by Intellectual property Organization Pakistan at Federation House Clifton.
<u>MEMBERSHIP:</u>
• Pakistan Society of Nematologists (Life member)
• Pakistan Society of Phytopathology (Life member)
• Medical Microbiology association of Pakistan (Life member)
<u>PATENT</u>
<u>INTERNATIONAL</u>
• F. Shahina, K.A. Tabassum and M.H.Soomro, Entomopathogenic nematodes and

their storage Filed 8-02-2010 US 0197289
<u>NATNATIONAL</u>
1. Pak patent 140579: Shahina Fayyaz, Asim Rehan Kazmi, Tabassum Ara Khanum, Mahreen Gulsher and Salma Javed A process for preparation of bio-pesticides using <i>Xenorhabdus nematophila</i> (strain HAM,-10) against wax moth larvae and vine mealy bug in Pakistan.
2. Pak patent 140580: Shahina Fayyaz, Tabassum Ara Khanum, Salma Javed and Mahreen Gulsher. Pathogenicity of <i>Photorhabdus luminescens</i> against <i>Galleria mellonella</i> larvae and subteranean termite (Termitidae: <i>Macrotermis</i>).
3. Pak patent 140622: Shahina Fayyaz, M.H. Soomro, Tabassum Ara Khanum, and ErumIqbal. Process of using Entomopathogenic nematodes as a bio-pesticides in Management of cotton bollworms in Pakistan”.
4. Pak patent 141035: Shahina Fayyaz, Tabassum Ara Khanum, M.H. Soomro and Ismail Bhatti "Improved and cheaper diet for rearing <i>Galleria mellonella</i> larvae, used for Isolation and Mass Production of Beneficial Organisms.
5. Pak patent 141095: Shahina Fayyaz, Tabassum Ara Khanum and Asim Rehan Use of three entomopathogenic nematodes against subteranean termite <i>Microtermis</i> spp. (Isoptera: Rhinonematidae).
6. Pak patent 141515: Shahina Fayyaz and Tabassum Ara Khanum. Method For Suppression of Plant Parasitic Nematode through Entomopathogenic Nematodes <i>Steinernema</i> and <i>Heterorabditis</i> .
7. Pak patent 141641: Shahina Fayyaz and Tabassum Ara Khanum. A process of preparation of a bio-pesticide from <i>Oscheius andrasyii</i> , an entomopathogenic nematodes from Pakistan.
8. Pak patent 141630: Shahina Fayyaz, Tabassum Ara Khanum and M.H.Soomro. Method for Biological Control of insect pests by <i>Phasmarhabditis pakistanensis</i> n.sp. a new entomopathogenic nematode.
9. Pak patent 141837: Shahina Fayyaz and Tabassum Ara Khanum. Process for controlling plant parasitic nematode through <i>Oscheius niazii</i> , an entomopathogenic nematodes.
FILED
10. Pak patent (26/2011): Shahina Fayyaz and Tabassum Ara Khanum. A process of preparation of a bio-pesticide from <i>Oscheius niazii</i> , a new entomopathogenic nematodes from Pakistan.
11. Pak patent (163/2012): Shahina Fayyaz, Tabassum Ara Khanum and M.H. Soomro. A Process of preparation of a bio-fertilizer “Pak Nema 1” of <i>Oscheius</i> .
RESEARCH PUBLICATIONS
Book
Shahina, F., K.A. Tabassum and M.H.Soomro (2013). Entomopathogenic nematodes and their bacterial symbionts from Pakistan. 352pp. Lambert Publisher Germany.
Chapters
Shahina, F., Firoza, K. and K.A. Tabassum (2014). Nematode Fauna of Pakistan. pp. 117-128. In: <i>Biodiversity of Pakistan</i> (EDs.) M. Rafique, I.A. Khalil, S.A. Hasan and K. Mahmood. Pakistan Museum of Natural History, Pakistan Science

Foundation and Ministry of Science and Technology pp 509..
Shahina Fayyaz, Firoza Kazi and Tabassum Ara Khanum (2017). Status of Entomopathogenic nematodes in Integrated Pest Management Strategies in Pakistan. In: <i>Biocontrol Agents, Entomopathogenic and Slug parasitic Nematodes</i> (Eds.) M.M. Elagawad, Tariq, H.A. and James, C. pp 629.
International Papers
1. Siddiqi, M.R., Bilgrami, A.L. and Tabassum, K.A. (2004). Description and biology of <i>Mononchoides gaugleri</i> sp. n. (Nematoda: Diplogasterida) from New Jersey, USA. <i>Int. J. Nematol.</i> , 14: 129-134.
2. Tabassum, K.A., F. Shahina & M.R., Siddiqi (2005). Description of <i>Lordellonema subannulatum</i> sp. n., <i>Poronemella divulgata</i> sp. n. and <i>Moshajia teres</i> sp. n. (Dorylamida: Lordellonematinae). <i>Int. J. Nematol.</i> , 15:163-168.
3. Shahina, F., K.B. Nguyen, A.R. Kazmi, K.A. Tabassum & K. Firoza (2007). Morphometrics and comments on <i>Steinernema abbasi</i> Elawad Ahmad & Reid, 1997 and <i>Heterorhabditis bacteriophora</i> Poinar 1976 isolates found in Pakistan. <i>Int. J. Nematol.</i> , 213-216.
4. Tabassum, K.A., A.R. Kazmi & F. Shahina (2007). A re-description of <i>Steinernema simkayai</i> Stock <i>et al.</i> , 1998 (Rhabditida: Steinernematidae) from Pakistan. <i>Int. J. Nematol.</i> , 217-224.
5. Shahina, F., G., Mahreen, J., Salma, K.A., Tabassum & M.I., Bhatti (2009). Susceptibility of different life stages of red palm weevil, <i>Rhynchophorus ferrugineus</i> (OLIV.) to entomopathogenic nematodes. <i>Int. J. Nematol.</i> , 19: 232-240.
6. Tabassum, K.A. & F. Shahina (2010). <i>Oscheius siddiqii</i> and <i>O. niazii</i> , two new entomopathogenic nematode species from Pakistan, with observations on <i>O. shamimi</i> . <i>Int. J. Nematol.</i> , 20: 75-84.
7. Shahina, F., A. R. Kazmi, K.A. Tabassum, G. Mehreen & J. Salma. (2010). Evaluation of <i>Xenorhabdus nematophila</i> from <i>Steinernema asiaticum</i> against wax moth larvae and vine mealy bug. <i>Int. J. Nematol.</i> , 20(2): 203-210.
8. Shahina, F., K.A. Tabassum, J. Salma & G. Mehreen (2012). Re-description of <i>Steinernema alitorale</i> Yoshida, 2004 (Nematoda: Steinernematidae) from Pakistan on the basis of morphometric, ITS1-5.8S-ITS2; 28S rDNA (D2/D3) and mitochondrial rDNA region. <i>Int. J. Nematol.</i> , 22 (1): 12-29.
9. Shahina, F., K.A. Tabassum, G. Mehreen and J. Salma (2013). <i>Steinernema maqbooli</i> n. sp. (Rhabditida: Steinernematidae) a species of the 'bicornutum' group from Pakistan. <i>Int. J. Nematol.</i> , 23: 59-72.
10. Shahina Fayyaz · Xun Yan · Lihong Qiu · Richou Han · Mehreen Gulsher · Ara Tabassum Khanum · Salma Javed (2014). A new entomopathogenic nematode, <i>Steinernema bifurcatum</i> n. sp. (Rhabditida: Steinernematidae) from Punjab, Pakistan. <i>Nematology</i> 821-836.

11. Shahina, F., Tabassum, K.A., Shaukat, A., G. S. Solangi, Mehreen Gulsher and Salma Javed (2015) A new entomopathogenic nematode, <i>Steinernema blaochiense</i> n.sp. (Rhabditida: Steinernematidae) from Pakistan. <i>Zootaxa</i> 3904: 387-402.
12. Shahina, F., Tabassum, K.A., Salma Javed and Mehreen Gulsher and Rinus Knoetze (2016). A new entomopathogenic nematode, <i>Heterorhabditis pakistanense</i> n.sp. (Rhabditida: Heterorhabditidae) from Pakistan. <i>J. Helmenthol.</i> , 1-14.
National Papers
1. Shahina, F., Tabassum, K.A. and Maqbool, M.A. (2001). Description of <i>Plectus karachiensis</i> n. sp. (Nematoda: Plectidae) with observation on <i>P. raabei</i> Brzeski, 1963 from Pakistan. <i>Pak. J. Nematol.</i> , 19: 33-40.
2. Tabassum, K.A., Shahina, F. and Shaukat, S.S. (2001). Three new records of the order Mononchida (Enoplida: Nematoda) from Pakistan. <i>Pak. J. Nematol.</i> , 19: 41-47.
3. Tabassum, K.A. and Shahina, F. (2002). Distribution of some species of free-living soil nematodes in Pakistan. pp. 21-24. In: Proceeding of National Symposium on Nematology. (Eds). Shahina, F. Firoza, K. and Shahzad, S. NNRC University of Karachi, Karachi. 151pp.
4. Tabassum, K.A. and Shahina, F. (2002). <i>Osheius maqbooli</i> n.sp. and observation on three known <i>Rhabditis</i> species (Nemata: Rhabditida) from sugarcane fields of Balochistan, Pakistan. <i>Pak. J. Nematol.</i> , 20: 1-21.
5. Shahina, F. and Tabassum, K.A. (2002). Description of <i>Cephalobus sacchari</i> n.sp. and re-description of <i>C. nanus</i> de Man, 1880 (Nematoda: Cephalobidae) from Pakistan. <i>Pak. J. Nematol.</i> , 20: (2) 17-24.
6. Tabassum, K.A. and Shahina, F. (2002). Re-description of four known cephalobids (Nemata: Cephalobidae) from Pakistan. <i>Pak. J. Nematol.</i> , 20: (2) 25-37.
7. Tabassum, K.A. and Shahina, F. (2003). New records and morphological observations on three known species of Plectidae and Ironidae (Nematoda: Adenophora) from Sindh, Pakistan. <i>Pak. J. Nematol.</i> , 21: 11-17.
8. Tabassum, K.A. and Shahina, F. (2003). Five new records of the order Rhabditida (Nemata: Rhabditida) from Pakistan. <i>Pak. J. Nematol.</i> , 21: 73-9.
9. Tabassum, K.A. and Shahina, F. (2004). Re-description of <i>Steinernema feltiae</i> Filipjev 1934 (Nematoda: Steinernematidae) from Pakistan. <i>Pak. J. Nematol.</i> , 22: 1-8.
10. Tabassum, K.A., Shahina, F. and Musarrat, A.R. (2004). Re-description of <i>Mesorhabditis cranganorensis</i> (Khera, 1968) and <i>Acrobeles geraerti</i> (Rashid et al., 1990) (Nemata: Rhabditida) from Pakistan. <i>Pak. J. Nematol.</i> , 22: 9-16.
11. Tabassum, K.A. and Shahina, F. (2004). In vitro mass rearing of different species of entomopathogenic nematodes in monoxenic solid culture. <i>Pak. J. Nematol.</i> , 22: 167-175.
12. Shahina, F., Manzar, H. and Tabassum, K.A. (2004). Symbiotic bacteria <i>Xenorhabdus</i> and <i>Photorhabdus</i> associated with entomopathogenic nematodes in Pakistan. <i>Pak. J. Nematol.</i> , 22: 117-128.
13. Tabassum, K.A., Shahina, F., Firoza, K. and Siddiqi, M.R. (2005). Description and embryonic development of <i>Distolabrellus pakistanensis</i> n. sp. (Rhabditida: Mesorhabditinae), a new insect parasitic nematode from Pakistan. <i>Pak. J. Nematol.</i> ,

23: 9-20.
14. Tabassum, K.A., Shahina, F. and Abid, B. (2005). Occurrence of entomopathogenic (EPN) nematodes in Pakistan. <i>Pak. J. Nematol.</i> , 23: 99-102
15. Tabassum, K.A., F. Shahina and K. Nasira (2006). <i>Laimydorus wirisi</i> n. sp. with notes on <i>Aporcelaimellus obtusicaudatus</i> (Bastian, 1865) Altherr, 1968 and <i>Allodorylaimus americanus</i> Andrassy, 1968 (Nematoda: Dorylaimida) from Pakistan. <i>Pak. J. Nematol.</i> , 24: 129-138.
16. Shahina F. and K.A. Tabassum (2006). Nematode problem of Date Palm in Pakistan. In: <i>Proceedings of Third International Date Palm Conference (TIDPC)</i> . 19-21 February, 2006.
17. Tabassum, K.A. & F. Shahina (2008). <i>Oscheius andrassyi</i> n. sp. (Nematoda: Rhabditidae) with its key and embryonic and post-embryonic development from Jhang, Pakistan. <i>Pak. J. Nematol.</i> , 26: 125-140.
18. Shahina, F. & K.A. Tabassum (2009). Suppression of plant parasitic nematodes in bermuda grass using live or dead entomopathogenic nematodes <i>Steinernema pakistanense</i> <i>Pak. J. Nematol.</i> , 27: 167-178.
19. Shahina, F., J., Salma, G., Mahreen, M. I., Bhatti & K.A., Tabassum (2009). Rearing of <i>Rhynchophorus ferrugineus</i> in laboratory and field conditions for carrying out efficacy studies using EPN. <i>Pak. J. Nematol.</i> , 27: 219-228.
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