

Curriculum vitae

NAME: Dr. Uzma Khan

DATE OF BIRTH: 01.07.1983

PERMANENT ADDRESS-

Shaz Enclave DhorraMafi
Near Iqra Public School (Junior wing), Aligarh,202001
Email :khanuzma4@yahoo.com
Phone: 9808792337

CURRENT ADDRESS : Abul fazal enclae 1, Jamia Nagar , Okhla, newdelhi

QUALIFICATION(high school onwards)

Examination	Subject	University/Board	Year	Percentage (%)
AISSE	English, Math, Science, Social science, Hindi	CBSE	1998	62
SSSC	Physics, Chemistry, Biology	AMU	2000	57
B.Sc. (Hons.)	Botany	AMU	2005	64
M.Sc. (Hons.)	Plant Protection*(Agriculture)	AMU	2007	82
Ph.D.	Plant Protection*(Agriculture)	AMU	2014	awarded

***FIELD OF SPECIALIZATION: PLANT PATHOLOGY AND NEMATOTOLOGY**

M.Sc thesis title: "IDENTITY OF ENTOMOPATHOGENIC NEMATODE IN ALIGARH AND ITS PATHOGENICITY AGAINST SOME COMMON INSECT PESTS"

Ph.D. thesis title: "STUDIES ON THE DEVELOPMENT OF INTEGRATED MANAGEMENT APPROACH AGAINST DRY ROOT ROT OF CHICKPEA CAUSED BY *MACROPHOMINA PHASEOLINA*"

WORK EXPERIENCE: Total : 4 year 7 months

- Assistant Professor (Plant Pathology) : Sanskriti University (Aug 2019 to April 2020)
- Research Scientist (Pi Industries Limited, Udaipur (4th October 2016 -13th August 2019)
- Associate Scientist: OAT & IIL India Laboratories Private Limited (7TH JAN 2014- 29TH MAY 2015)
- Junior Research Fellow: 4 months (1ST DEC 2007 -31ST MAR 2008).

RESEARCH EXPERIENCE(including PhD): 12years

TRAININGS/WORKSHOP:

Molecular Biology techniques training: 1 month.

MEMBERSHIP OF SOCIETIES:

- Nematological Society of India
- Society of Plant Protection Sciences
- Indian Phytopathological Society

REVIEWER TO JOURNALS:

- International Journal of Agricultural Sciences

PATENTS NO: WO2019123196

INVENTORS: Murugan, Sathishkumar; Gurusamy, Renugadevi, Waghule, Gopalkrushna Tulshidas, Ashamoni, Suresh, Rathod, Kishor Singh, Jhala, Vikram Singh, **KHAN, Uzma**, Ebhad, Deepak Lahanya, Verma, Anil Kumar, Garg, Ruchi, Venkatesha, Hagalavadi M, Klausener, Alexander G.M

Inventors:

TITLE:Fluoralkenyl compounds, process for preparation and use thereof

ABSTRACT: The present invention disclosed fluoralkenyl compounds of general formula (I), wherein; R, R¹, R², R³, A and integers n, m and k are as defined in description. The present invention further discloses use of the compounds of general formula (I) to protect

crops by controlling or preventing against undesired phytopathogenic microorganisms such as nematodes and phytopathogenic fungi.

SCHOLARSHIPS/AWARDS

- i. Recipient of PG Merit Scholarship, Aligarh Muslim University
- ii. Gold medalist at Post Graduate Examination
- iii. Recipient of INSPIRE FELLOWSHIP (Department of Science and Technology, Ministry Of Science and technology) -2010

COMPUTER SKILLS: Microsoft office, MS excel, PowerPoint, Minitab etc.

OTHER SKILLS: Excellent communication skills (English), co-authored several book chapters and research articles.

RESEARCH PUBLICATIONS: 08

NATIONAL

- i. Khan, M.R., **Khan, U.** and Askary, T.H. 2007. Occurrence of *Steinernemasoodi* in Aligarh and its pathogenicity against six economically important insect pests. *Indian Journal of Nematology*. **37**(2):215-216.
- ii. Khan, M.R. and **Khan, U.** 2009. Effect of different temperature regimes on the survival of *Steinernemasoodi* AMU EPN-1 *in vitro* and *in vivo*. *Indian Journal of Nematology* **39** (1): 65-70.
- iii. **Khan, Uzma and Khan, M.R.** 2015. Seed treatment with biofungicides for the management of dry root rot of chickpea caused by *Macrophominaphaseolina*. *Annals of Plant Protection Sciences* **23**(2): 302-307.

INTERNATIONAL

- i. Khan, M.R. **Khan, U.** Askary, T.H, Mohiddin, F.A. and Khan, M.M. 2007 Pathogenicity and host suitability for *in vivo* mass production of *Steinernemasoodi* AMU EPN-I. *International Journal of Nematology*. **17**(2): 151-157.
- ii. Khan, M.R. and **Khan, U.** 2009. Pathogenicity of *Steinernemasoodi* AMU EPN-I against guava fruit fly, *Bactrocera* sp. *International Journal of Nematology*. **19** (1): 47-50.
- iii. Khan, M.R., Mehboob, A. and **Khan, U.** 2010. Interaction of the entomopathogenic nematode *Steinernemasoodi* and the root-knot nematode *Meloidogyne incognita* on tomato. *Nematol. mediterr.* **38**: 177-183.
- iv. Khan M R, Mohiddin, F.A., **Khan, U.** and Ahmad, F. 2016. Native *Pseudomonas* spp. suppressed the root-knot nematode in in-vitro and in-vivo, and promoted the nodulation and grain yield in the field grown mungbean. *Biological Control* **101**: **159-168**.
- v. Khan MR, Haque, Z., Rasool F., Salati K, Khan, U., Mohiddin FA., Zuhair, M. 2019. Management of root-rot disease complex of mungbean caused by *Macrophominaphaseolina* and *Rhizoctoniasolani* through soil application of *Trichoderma* spp. *Crop Protection*, **119**:24-29.

BOOK CHAPTERS: 06

- i. Khan, M.R., Haque, Z., **Khan, U.** and Anwer, A. 2016. Entomopathogenic nematodes and their effectiveness against fruit flies. In: *Mango production and protection from fruit flies.*, MR Khan, FA Mohiddin and Z. Haque. Educational Press pp119-243.
- ii. Khan, M.R., Ganguly, S., **Khan, U.**, Askary, T.H. and Haq Z. 2012. Prospects of EPNs in the management of nematode infestation in horticultural crops. In: *Nematode Infestations Part III: Horticultural Crops*, MR Khan and MS Jairajpuri (eds.). National Academy of Sciences, India. pp.607-637.
- iii. Khan, M.R., Khan, A.A. and **Khan, U.** 2012. **Nematode infestation in cucurbitaceous vegetables.** In: *Nematode Infestations Part III: Horticultural Crops*, MR Khan and MS Jairajpuri (eds.). National Academy of Sciences, India. pp. 158-181.
- iv. Khan, M.R., Altaf, S., Mohiddin, F.A., **Khan, U.** and Anwer, A. 2009. Biological control of plant nematodes with phosphate-solubilizing Microorganisms. In: *Phosphate solubilizing microbes for crop improvement*, M.S. Khan and A. Zaidi (eds.). Nova Science Publishers, Inc. New York. pp. 395-426.
- v. Bora, B.C., Gogoi, B.B., Khan, M.R., **Khan, U.**, Khan, M.M. and Anwer, M. A. 2010. Nematode infestation in jute and other bast fibre. In: *Nematode Infestations Part II: Industrial Crops*, MR Khan and MS Jairajpuri (eds.). National Academy of Sciences, India. pp. 289-304.
- vi. Khan, M.R. and **Khan, U.** 2010. Nematode infestation in forest trees. In: *Nematode Infestations Part II: Industrial Crops*, MR Khan and MS Jairajpuri (eds.). National Academy of Sciences, India. pp.395-426.

PAPERS PRESENTED/PUBLISHED AT CONFERENCES/SYMPOSIA: 14

- i. M.R.Khan, M.M Khan, F.A. Mohiddin, and **Uzma Khan**.2009. Interaction of intermittent exposures of SO₂ and inoculations with *Alternariabrassicae* on black mustard. *International conference on resource development and environmental change: Emerging Issues and Challenges*. 27- 29 January, 2009, AMU, Aligarh. pp. 101.
- ii. M.R Khan, **Uzma Khan** and M.M. Khan, 2009. Pathogenicity of local isolates of an entomopathogenic nematode, *Steinernemasoodi* against guava fruit fly, *Bactroceraspecies*.*International Conference on Entomology*. 20-22February 2009, Punjabi University, Patiala. pp-82.
- iii. M.R. Khan, **Uzma Khan** and M.M. Khan, 2009. *In vivo* mass production of an entomopathogenic nematode, *Steinernemasoodi* AMU EPN-1. *International Conference on Entomology*. 20-22February 2009, Punjabi University, Patiala pp-83.
- iv. M R Khanand **Uzma Khan** 2009.Nematode infestation in Indian forests, a potential threat. *Abstract in National Forestry Conference*. 9-11 November, 2009, Forest Research Institute, Dehradun pp. 164-165.
- v. M R Khan, M Mahmud Khan, F.A Mohiddin, and **Uzma Khan** 2009.Interaction of intermittent exposures of SO₂ and inoculations with *Alternariabrassicae* on black mustard. *International Conference on Resource Development and Environmental Change: Emerging Issues and Challenges*. 27-29 January, 2009. Aligarh Muslim University, Aligarh pp. 100.
- vi. M R Khan,M Mahmud Khan, F.A Mohiddin, and **Uzma Khan** 2009. Effects of SO₂ on the leaf spot of mustard caused by *Alternariabrassicae*. *Abstract in 9th Agricultural Science Congress*.22-24 June, 2009. SKUAST, Kashmir. pp. 127-129.
- vii. M R Khan, M Mahmud Khan. F. A. Mohiddin and **Uzma Khan** 2009. Relative sensitivity of mustard cultivars to low levels of sulphur dioxide. *International Conference on Emerging Technologies in Environmental Science and Engineering*. 19 - 21October, 2009, Aligarh Muslim University.
- viii. M R Khan,**Uzma Khan** and F A Mohiddin (2010).A novel process to produce biopesticides based on biocontrol bacteria and fungi held during *97 Session, Indian Science Congress*, 3-7 Jan, 2010, Thiruvananthapuram.
- ix. Hina Rizvi,M R Khanand **Uzma Khan** 2010.Effect of inoculations with *Meloidogyne incognita* and *Rhizoctoniasolanion* biochemical and morphological response of some marigold cultivars. *Abstract in National Conference on Innovations in Nematological Research for Agricultural Sustainability-Challenges and a Roadmap Ahead*. 23-25February, 2010, TNAU, Coimbatore. pp.103.
- x. **Uzma Khan**,M R Khan and ArshiMehboob2010.Effect of *Steinernemasoodi* and its bacterial symbiont, *Xenorhabdus* sp. on the root-knot nematode, *Meloidogyne incognita* on tomato.*Abstract in National Conference on Innovations in Nematological Research for Agricultural Sustainability-Challenges and a Roadmap Ahead*, 23-25 February, 2010, TNAU, Coimbatore. pp. 98.
- xi. M R Khan,M Arshad Anwer, **Uzma Khan** and ZiaulHaque 2010. Occurrence of root-knot of paddy in Aligarh and its management by soil application of nematicides and insecticide. *Abstract in National Conference on Innovations in Nematological Research for Agricultural Sustainability-Challenges and a Roadmap Ahead*,23-25 February, 2010, TNAU, Coimbatore. pp. 100.
- xii.KhanM R,Bushra Zaidi and **Uzma Khan** 2011. Effect of certain biocontrol fungi and bacteria on root-knot of rice caused by *Meloidogynegraminicola*.*Abstracts, the National symposium on Nematodes: A challenge under changing climate and agricultural practices* held on 16-18th Nov, 2011.at Kovalam, Kerala. Pp.34
- xiii.Khan M R and **Uzma Khan** 2011. Effect of *Steinernemaabbasi*, and its bacterial symbiont, *Xenorhabdus* sp. on root-knot nematode, *Meloidogyne incognita* on tomato.*Abstracts, the National symposium on Nematodes: A challenge under changing climate and agricultural practices* held on 16-18th Nov, 2011.at Kovalam, Kerala. pp. 35.
- xiv.TahminaAShraf, Khan M R and**Uzma Khan** 2011. Evaluation for resistance in indigenous germplasm of rice against *Meloidogynegraminicola*and its management. *Abstracts, the National symposium on Nematodes: A challenge under changing climate and agricultural practices* held on 16-18th Nov, 2011.at Kovalam, Kerala. pp. 35.

DETAILS OF THREE REFEREES

1. Dr. Mujeebur Rahman Khan

Professor, Department of Plant Protection
Aligarh Muslim University, Aligarh 202002
Phone: 9412527112

Email:mrkhan777in@yahoo.co.in

2. Dr. Shafiq Ansari

Associate Professor, Department of Plant Protection

Aligarh Muslim University, Aligarh 202002

Phone: 9412133609

Email: mohdsansari@yahoo.com

3. Dr. Shabbir Ashraf

Associate Professor, Department of Plant Protection

Aligarh Muslim University, Aligarh 202002

Phone: 9997834742

Email: shabbiragri@yahoo.co.uk