

CURRICULAMVITAE

Dr. MOHAMMAD MUSLIM
(AGRICULTURAL ENTOMOLOGY)
E-mail: mohdmuslim9@gmail.com
Ph. +91-9818082454, 9354503702
Aligarh 202002



CAREERPROFILE

- A highly skilled, talented and professional **Entomologist with 8 years of diverse experience** in the mentioned field. Seeking a relatable position to utilize my skills and knowledge in a renowned organization

WORK EXPERIENCES

- Assistant manager (Field scientist) in Absolute (Currently working)
- Assistant manager (Scientist) in R&D Centre (recognized by DSIR) of IPL Biologicals Limited an Agribiotech Company in Delhi (Currently).
- Senior Research Fellow at Indian Agricultural Research Institute in DST (INDO-SPANISH) Project, Entitled: Development of crop protection product by plant oil derived from karanjin, capsicum, garlic and sesame (2 Years).
- Sr. Entomologist in R&D Centre (recognized by DSIR) of INTERNATIONAL PANACEA LIMITED an Agribiotech Company in Delhi (1 Year).
- Junior Research Fellow at Indian Agricultural Research Institute in a DBT Project, Entitled: Development of temperature tolerant and Insecticides resistant strain of *Aenasius bambawalei* to management of cotton mealybug (1 Year).
- Entomologist in R&D Centre (recognized by DSIR) of INTERNATIONAL PANACEA LIMITED an Agribiotech Company in Delhi (1 Year).

PROFESSIONAL SKILLS

- ✓ **Field trial** in different crops against major insect pests at different locations in India.
- ✓ Screening of new product against insect pest in laboratory using **pot trials**
- ✓ Collection of insects from farmer fields and mass rearing in laboratory on artificial diet or natural diet (*Spodoptera litura*, *Helicoverpa armigera*, White fly, DBM, Storage insects, Mealy bug, Mites, Aphids etc)

- ✓ Production of Biological control agents of different insect pests (*Trichogramma chilonis*, *T. japonicum*, *Chrysoperla carnea*, *mallada boninensis*, *Aenasius banbawalei*, *Coccinella septempunctata*, *Menochilus sexmaculatus*, *cryptolaemus montrouzieri*, *Bracon hebetor*, *B. brevicornis*) using to control the population of many insect pests.
- ✓ Rearing of *Galleria melonella* on artificial diet in laboratory for the mass culture of Entomopathogenic nematodes (*Heterorhabditis bacteriophora*, *Steinernema carpocapsae*) using for the management of many lepidopteran insect pests like *S. litura*, *H. armigera*, DBM, Root grub etc.
- ✓ Data analysis by authentic software like SPSS and MINITAB to get significant results to reports making

AWARDS

- **Best Poster Presentation Award, Mohammad Muslim**, M.S. Ansari and Fazil Hasan (2015) “Effects of various hosts and constant temperatures on the biology of *Bracon hebetor* Say”. In National Symposium on IPM for sustainable crop protection, 24-25 February, 2015, organized by Division of Entomology, ICAR-IARI, New Delhi 110012, India.

TRAINING/COURSE

- One-week training of *Corcyra cephalonica* rearing and Trichocards production technique from Chaudhary Charan Singh Haryana Agricultural University, Karnal, Haryana
- Eight-week online course in **Integrated Pest Management** from Agmoocs, certificates issued by the Centre for Development of Technical Education, **IIT Kanpur** and Commonwealth of Learning (COL), **Canada**.

EDUCATIONAL QUALIFICATION

Examinations	Percentage	Period	college & board/university	Subject
Ph.D.(Ag.) Entomology	-	2014-2019	Aligarh Muslim University, Aligarh	Agricultural Entomology
M.Sc.(Ag.) Entomology	73	2009-11	Aligarh Muslim University, Aligarh	Agricultural Entomology
B.Sc.	58	2006-09	Aligarh Muslim University, Aligarh	Chemistry (Hons).
CLASS XII	70	2003	U.P. Board, Allahabad	Science
CLASS X	44	2001	U.P. Board, Allahabad	Science

OTHER QUALIFICATION

Examinations	Year	Organization	Marks
NET (National Eligibility Test) for lectureship	2012	ICAR (Indian Council of Agricultural Research)	63%

PROJECT WORK

- Compiled and presented a project entitled “**Bionomics and Management of *Spilarctia oblique* (Walker)**” under the able guidance of **Dr. Mrs. Haseeb (Prof.)** Department Of Plant Protection, Faculty of Agricultural Sciences, Aligarh Muslim University, Aligarh

SEMINAR PRESENTATION

Delivered two seminar lectures during M.Sc. on the topic: -

- Insect Pheromones
- Neem, ecofriendly management of Insects

ABSTRACTS PUBLISHED IN CONFERENCES/ SYMPOSIUM

- **Mohammad Muslim, M. Shafiq Ansari and Fazil Hasan (2017) Effects of host's diet on the life table of *Bracon hebetor* (say)**” In National Conference on Agriculture Renewal for Evergreen Revolution: Concept & Approaches held on 10 March 2013 in Department of Plant Pathology, Gochar Mahavidyalaya, Saharanpur, Uttar Pradesh, India.
- Fazil Hasan, M. Shafiq Ansari and **Mohammad Muslim (2017) Non-target toxicity of commonly used herbicides on ecological aspects of *Zygogramma bicolorata* Pallister (Coleoptera: Chrysomelidae)**. International Conference on Emerging trends in Allied & Applied Biotechnology with special reference to Agricultural, Environmental, Medical and Industrial Research (ICAABT), **Orcha, MP (India), 1-2 April 2017**.
- **Mohammad Muslim, M. Shafiq Ansari, Fazil Hasan (2017) Population Growth of *Bracon hebetor* Say. Under the Influence of Various Lepidopteran Host**. World academy of Science, engineering and technology (WASET), International Conference on Entomology (ICE), **Oct-19-20 Paris; France**
- **Mohammad Muslim, M. Shafiq Ansari (2016) Effects of various temperatures on the life table of *Bracon hebetor* (say)**” International Conference on Post-Harvest Technologies of Agricultural Produce for Sustainable Food and Nutritional Security (November 10-12). Integral University, Lucknow.
- Fazil Hasan, M. Shafiq Ansari and **Mohammad Muslim (2017) Diapause Incidence In *Zygogramma bicolorata* Pallister (Coleoptera: Chrysomelidae)**. World academy of Science,

engineering and technology (WASET), International Conference on Entomology (ICE), **Oct-19-20 Paris; France.**

- **Mohammad Muslim**, M. Shafiq Ansari and Salman Ahmad (2015). **Effect of hosts on the biology of *Bracon hebetorsay*** 4th Congress on Insect Science “Entomology for Sustainable Agriculture”, Department of Entomology, Punjab Agricultural University, Ludhiana, April 16-17, 2015, 24pp.
- **Mohammad Muslim**, M. Shafiq Ansari and Fazil Hasan (2015) **Effects of various hosts and constant temperatures on the biology of *Bracon hebetor*(say)**” In National Symposium on Integrated Pest Management for sustainable Crop Protection (February 24-25). Division of Entomology, ICAR-Indian Agricultural Research Institute (IARI), New Delhi
- **Mohammad Muslim**, Masarrat Haseeb (2013) **Biology of *Spilarcia obliqua*** “in National Conference on Insect Diversity and Systematics: Special emphasis on Molecular Approaches held on 28-30 October 2013 in Department of Zoology, Aligarh Muslim University, Aligarh.

RESEARCH PAPERS PUBLISHED

- Swati Deep, **Mohammad Muslim**, Nitul Tyagi and Vimala Prakash (2020) On field management of root-knot infestation in tomato and brinjal through bioformulations of *Paecilomyces lilacinus* and *Pochonia chlamydosporia*. **Journal of biopesticide**.
- Rabiya basri, M. Shafiq Ansari, **Mohammad Muslim** (2019) Influence of host plants on biological parameters of *Thrips tabaci*. **Annals of Plant Protection Sciences**. 31-36
- **Mohammad Muslim**, M. Shafiq Ansari, Fazil Hasan (2018) Non-target toxicity of synthetic insecticides on the biological performance and population growth of *Bracon hebetor*(Say). **Ecotoxicology**
- Fazil Hasan, M. Shafiq Ansari, A.P.S. Bhadauriya, **Mohammad Muslim**, A.K. Tanwar (2017) Diapause regulation in *Zygogramma bicolorata* (Coleoptera: Chrysomelidae), a biocontrol agent of *Parthenium hysterophorus* **International Journal of Tropical Insect Science**.
- **Mohammad Muslim**, M. Shafiq Ansari, Fazil hasan (2017) Paralysis and Parasitisation Potential of *Bracon hebetor* on Various Lepidopteran Hosts. **Agricultural Science Digest**.
- **Mohammad Muslim**, M Shafiq Ansari and Fazil Hasan (2017). Do lepidopteran hosts differentially affect the development and demography of *Bracon hebetor* Say? **Journal of Entomology and Zoology Studies** 2017; 5(3):1020-1027
- Salman Ahmad, M. Shafiq Ansari, **Mohammad Muslim** (2015). Toxic effects of neem-based insecticides on the fitness of *Helicoverpa armigera* (Hübner). **Crop Protection**, 72-78

BOOK CHAPTERS

- Fazil Hasan, M. Shafiq Ansari, **Mohammad Muslim** (2019) Potential of *Zygogramma bicolorata* as bio-control agent of *Parthenium*: success and challenges. Bio-intensive approaches: application and effectiveness in the management of plant nematodes, insects and weeds. 587-619
- M. Shafiq Ansari, M.A. Moraiet and **Mohammad Muslim** (2016) Fruit fly infestation in Mango. Mango Production and Protection from Fruit Flies, Write & Print Publications, New

Delhi, India. ISBN: 978-93-846-4912-8, pp: 83-121.

STATISTICAL SKILLS

- Good Knowledge to analyze the data with the help of computer software like **SPSS and Minitab** for statistical analysis.

COMPUTER PROFICIENCY

- ☐ Word Processing viz., Microsoft, Excel, PowerPoint. PDF-editing and documentation

PERSONALINFORMATIONS

Father's Name:	Mohd. Saleem Khan
Date of Birth:	18-04-1987
Nationality:	Indian
Religion:	Islam
Language Known:	English, Hindi & Urdu
Strength:	Punctuality, Sincerity & self-confidence