

CURRICULUM VITAE

Dr. FARMANUR RAHMAN KHAN

Contact details:

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Personal Data

Male, Married, Indian citizen

Date of Birth: 10th July, 1978

Language known: English, Hindi, Urdu and Arabic

Passport No.: G 6723369 (Valid up to 17/01/2018)

PAN No.: BAYPK 4861L

Teaching Experience: Thirteen (12) years

9th September, 2012 to till date: Assistant Professor in Department of Biology, Deanship of Educational Services, Qassim University, Buraidah, KSA.

July, 2005 to 8th September, 2012: Apart from research I was also associated with teaching to undergraduate and postgraduate classes at Department of Zoology, Aligarh Muslim University, Aligarh, India.

Subject Taught at Graduate/Post Graduate level

- **Chordates and Non-chordates:** Classification and their features
- **Human Biology:** Comparative study of digestive system, circulatory system, excretory system etc.
- **Biochemistry:** Structure and function of different bio-molecules (Carbohydrates, Proteins, Fats, Enzymes, DNA and RNA)
- **Cell Biology:** General organization, chemistry, energy metabolism in cell, structure and function of cell organelles, cell cycle and cell division etc.
- **Economic Zoology:** including culture of different economically insect pests *i.e.* Lac culture, Sericulture and Apiculture.
- **Insect Systematic:** Phylogeny of insect development, classification of insect, basic characteristics of insects belonging to different order.
- **Insect Morphology & Embryology:** Morphology of Head, Thorax and Abdomen of Insects of different orders and embryology of insects.

- **Insect Pest Management:** Integrated Management of Insect Pests, Biological and Chemical Control of economically important insect pests. Use of cultural practices for management *i.e.* Crop rotation, Inter and trap crops etc.

General Biology: General cell organization, cell divisions, bio molecules, different human body systems.

Research Experience: Fourteen (14) years

1. 1st April, 2007 to 8th September, 2012: Worked as Research Associate in Ministry of Agriculture funded project on insect biosystematics at Department of Zoology, Aligarh Muslim University, Aligarh, India.
2. November, 2005 to March 2007: Worked as a SRF in Ministry of Agriculture funded project on insect biosystematics at Department of Zoology, Aligarh Muslim University, Aligarh, India.
3. September, 2003 to November, 2005: Worked as University Research Fellow (AMU) at Department of Zoology, Aligarh Muslim University on the topic 'Ecomorphometrical studies on occasionally gregarious acridoides' for Ph. D.
4. February, 2002 to August 2003 as Research Scholar at Department of Zoology, Aligarh Muslim University on the topic 'Ecomorphometrical studies on occasionally gregarious acridoides' for Ph. D.

Awards and fellowships

1. University Research Fellow, Aligarh Muslim University from 28.10.2003 to 15.11.2005.
2. Got '**Best Teacher Award, 2015**', Department of Biology, Deanship of Educational Services, Qassim University, KSA.

Achievements and Recognition

1. Associate Editor in World Journal of Applied Sciences and Research.
2. Reviewer in **World Applied Science Journal** published by *International Digital Organization for Scientific Information (IDOSI)*, Pakistan Egypt and Iran.
3. Member in Editorial Board of **Bionotes**, A Biologists Confrerie, Aligarh, INDIA

Few insects' species are named after me by world renowned taxonomists

1. *Hemiptarsenus effarkhani* by Prof. T. C. Narendran, Department of Zoology, Calicut University, India; in Narendran, 2011, [*Fauna of India, Eulophinae (Hymenoptera: Eulophidae)* pp.269,272-273]
2. *Encarsia farmani* by Prof. Mohammad Hayat, Department of Zoology, Aligarh Muslim University, India; in Hayat, 2011 [*Oriental Insects*, 45 (2-3): 202-274].

3. *Opius (Nosopoea) khani* by Prof. M. Fischer, Natural History Museum Vienna; in Fischer, 2012 [Annals of Natural History Museum, Wiena, 113 (B): 49-93].
4. *Gonatocerus farmani* by Dr. Shahid bin Zeya, Department of Zoology, Aligarh Muslim University, India; in Zeya & Anwar, 2013 [Oriental Insects, 47 (2-3): 116-124]
5. *Indogramma farmani* by Mr. M. T. Khan, Department of Zoology, Aligarh Muslim University, India; in MT Khan *et al.*, 2015 [Journal Insect Systematics, 1 (2): 135-138].

Workshops/Symposium attended: Seventeen

1. Attended training programme on 'Using the Blackboard Learning Management System in Education' on 20th to 21st February, 2018 at Deanship of E-Learning and Distance Education, Qassim University, KSA.
2. Attended 2nd International conference for Date Palm from 10–12, October, 2016 at College of Agriculture and Veterinary Medicine, Qassim University, KSA.
3. Attended training programme on 'Blackboard Collaborate' on 1st June, 2016 at Deanship of E-Learning and Distance Education, Qassim University, KSA.
4. Attended training programme on 'Electronic Exams and how to use them for e-learning' on 31st May, 2016 at Deanship of E-Learning and Distance Education, Qassim University, KSA.
5. Attended training programme on 'The use of the learning management system Blackboard in education' from 9th to 10th September, 2015 at Deanship of E-Learning and Distance Education, Qassim University, KSA.
6. Attended 8th Annual Scientific Research Meeting from 4th to 5th May, 2014 held at College of Medicine, Qassim University, KSA.
7. Attended training programme in 'Arabic Language for Non-Native Speakers' from 24th to 26th September, 2013 at Deanship of Academic Development, Qassim University, KSA.
8. Presented paper in International conference on 'Resource Development and Environmental Change: Emerging issues and Challenges' from 27th to 29th January, 2009 at Department of Geography, A. M. U. Aligarh.

'Insect as a tool in Environmental Impact Assessment'
9. Attended workshop on 'Data analysis using R and SPSS' from 11th to 16th January 2010 at Academic Staff College, Aligarh Muslim University, Aligarh.
10. Attended International conference on "Resource Development and Environmental Change: Emerging issues and Challenges". January 27th to 29th, 2009 at Department of Geography, Aligarh Muslim University, Aligarh.

11. Attended National seminar on global warming “A cause of anxiety of present eco-setup” on March 1st, 2008 at D. S. College, Aligarh.
12. Attended the Workshop on “Excellence in Research”. January 7th to 11th, 2005 at Academic Staff College, Aligarh Muslim University, Aligarh.
13. Presented paper in ‘Friends of Nature’ Symposium on “Emerging Trends in Indian Medicinal Plants” October 10th to 12th 2003, at U. P. Council of Science and Technology, Lucknow.
‘Possible Biological Control of Acridid Pests of Medicinal Plants in India’
14. Presented paper in National symposium on “Recent Trends in Zoological Sciences”. March 12th to 13th, 2003, Department of Zoology, Punjabi University, Patiala on
‘Advances in chromo-ecology of acridoids in India.’
15. Presented paper in National symposium on Recent Trends in Restoration of Aquatic Environment and Biodiversity of Insects, February 15th to 16th, 2002 at Kongunadu Arts and Science College, Coimbatore.
 - (a) ‘A new record of colour patterns in teak locust, *Chroedocus illustris* (Orth.: Acrididae)’
 - (b) ‘Ethological studies on *Oxya velox* (Orthoptera: Acrididae) with reference to its aquatic environment specificity in acridoides biodiversity.’
16. Attended National symposium on Biological Control of Insects Pests” Feb. 7-8, 2002, Entomological Research Institute, Loyola College, Chennai.
17. Presented paper in International conference on Global Challenge: Issues and Challenges, Jan 12-14, 2002, Department of Geography, A.M.U. Aligarh.
‘Influence of climatic changes on the polymorphic behaviour in locusts.’

Membership in scientific societies

1. National Environmental Science Academy (Life Member, No. 1365)
2. Entomological Society of India (Membership No. NM - 797)
3. A Biologists Confrerie, Aligarh
4. Prof. T. C. Narendran Trust for Animal Taxonomy, Calicut

Expertise

- Insect sample collection by Sweep Net, Pan trap, Light trap and Malaise trap.
- Photography of insects using high resolution digital cameras mounted on microscopes and processing using software such as Auto-Montage (LAS 3.5) and Adobe Photoshop CS3.
- Identification of most insect orders, and many common families of wasps, flies and beetles

- Card and slide Mounting, labelling of insects
- Preparation of material for Scan Electron Microscope photograph.
- Handling of Scan Electron Microscope, Stereo-zoom and Upright Microscope.
- Ecological studies on insects.
- Working ability in WINDOW XP, 2000, 2007 and Vista like MS OFFICE.
- Experience in various database of order hymenoptera on internet and through CD.
- Experience in statistical software packages like SPSS, Statistica, R and Excel.

Education

- Ph. D. in Zoology (Entomology) from Aligarh Muslim University, Aligarh, India in 2007 on the topic 'Ecomorphometrical studies on occasionally gregarious acridoides'
- M. Sc. In Zoology (Entomology) from Aligarh Muslim University, Aligarh, India in 2001 secured 68% marks.
- B. Sc. From Dr. B. R. A. University, Agra, India in 1999 with Zoology, Botany and Chemistry secured 64% marks.

Specialization: Insect Taxonomy and Ecology

- Systematics, taxonomy and biodiversity of parasitic hymenoptera (Chalcidoidea)
- Biological control
- Ecological Entomology

Area of Research

The major thrust of my research is in the taxonomy and systematic of parasitic wasps of the superfamily Chalcidoidea. I have privilege of getting my training from the Professor Mohammad Hayat who is one of the foremost workers on the parasitic hymenoptera in India, while working with him in Ministry of Agriculture funded project on the biodiversity and taxonomy of chalcidoids I have surveyed extensively most part of the India as result of this experience I am well versed in collection and identification of various families of chalcidoid parasitoids which are potential group of biological control against various pest of agriculture worldwide. Being an insect taxonomist I can deal insect group in addition to chalcidoids.

About post doctoral research work

The project was dealing with the biosystematics and biodiversity studies of superfamily Chalcidoidea of order Hymenoptera. Out of 21 families of Chalcidoidea, I have dealt with 8 families and published numerous papers in national and international journals of repute which deals with 175 genera and 333 species, out of these 1 genus and 35 species have been described as new to science and 4 genus and 8 species have been recorded for the first time from India.

Research publications: Total No. of publications - 46

Book

1. **Khan, F. R.** 2012. *Ecomorphometrical studies on occasionally gregarious acridoids*. 261pp. Lambert Academic Publishing, AV Akademikerverlag GmbH & Co., Deutschland, Germany. ISBN 978-3-659-22995-4. (Ph. D Thesis)

Papers

Published

1. K, Veenakumari, P. Mohanraj and **Khan, F.R.** 2015. 'The *adikeshavus*-group': A new species group of *Idris* Förster (Hymenoptera, Platygasteridae) from India, with descriptions of five new species. *Deutsche Entomologische Zeitschrift*. **62** (2): 247–260. ISSN 1860-1324.
2. Hayat, M and **Khan, F. R.** 2014 (2015). Taxonomic notes on some Indian Encyrtidae (Hymenoptera: Chalcidoidea) with descriptions of a new genus and species. *Oriental Insects*, **48** (1-2): 123–149.
3. Hayat, M.; Ahmad, Z. and **Khan, F. R.** 2014. Encyrtidae (Hymenoptera: Chalcidoidea) from the Kingdom of Saudi Arabia. *Zootaxa*, **3793**: 1–59. (**Z012/7.3**). ISSN 1175-5334.
4. Veenakumari, K; Buhl, P. N; Mohanraj, P and **Khan, F. R.** 2014. Four new species of Platygasteridae (Hymenoptera: Platygasteroidea) from India. *Entomologist Monthly Magazine*. **150**: 49–60. ISSN
5. Veenakumari, K; Buhl, P. N; Mohanraj, P and **Khan, F. R.** 2013. Five new species of *Amblyaspis* Förster (Platygasteroidea: Platygasteridae) from India. *Entomologist Monthly Magazine*. **149**: 223–234. ISSN
6. Akhtar, M. S.; Singh, L. R. K.; Ramamurthy, V. V. and **Khan, F. R.** 2013. Description of new species of *Kleidotoma* Westwood (Hymenoptera: Figitidae) from India along with a list of species. *The Bioscan*, 8 (1): 315–320. (Supplement on Taxonomy). ISSN 0973-7049.
7. Veenakumari, K; Buhl, P. N; Mohanraj, P and **Khan, F. R.** 2013. Three new species of *Allotropa* Förster (Platygasteridae: Sceliotrachelinae) from India. *International Journal of Environmental Studies*, 70 (2): 222–231. ISSN 0020-7233.
8. **Khan, F. R.** and Ali, Arshad. 2013. Morphometrical variation and suspected gregariousness in *Oedaleus abruptus* Thunberg (Orthoptera: Acrididae) under

laboratory conditions. *World Journal of Applied Sciences and Research*, 3 (1): 15–22. ISSN 2249-4197.

9. Ali, Arshad; Rizvi, P.Q. and **Khan, F.R.** 2013. Hyper-parasitism in coccinellid and syrphid species on mustard aphid in rapeseed-mustard crop ecosystem. *World Journal of Applied Sciences and Research*, 3 (2): 15–18. ISSN 2249-4197.
10. Hayat, M. and **Khan, F. R.** 2012. Descriptions of two new species of *Coccobius* Ratzeburg (Hymenoptera: Aphelinidae) from India. *Biosystematica*. 6(1): 13–17. ISSN 0973-7871.
11. **Khan, F.R.** and Ali, Arshad. 2012. Studies on the biological attributes of *Oedaleus abruptus* (Orthoptera: Acrididae) under laboratory conditions. *World Journal of Applied Sciences and Research*, 2 (1): 21–27. ISSN 2249-4197.
12. Zeya, S. B. and **Khan, F. R.** 2012. Records of known and description of two new species of *Gonatocerus* Nees (Chalcidoidea: Mymaridae). *Oriental Insects*. 46 (1): 53–62. (O013/6.6) ISSN 0030-5316.
13. Narendran, T. C. and **Khan, F. R.** 2012. On a new species of *Mesopolobus* Westwood (Hymenoptera: Pteromalidae) from India with an annotated key to Indian species. *Oriental Insects*, 45: 127–131. DOI:10.1080/00305316.2011.590641. (O013/6.6) ISSN 0030-5316.
14. Akhtar, M. S.; **Khan, F. R.** and Ramamurthy, V. V. 2011. Checklist of *Ephedrus* (Hymenoptera: Braconidae: Aphidiinae) with description of new species from India. *Pan Pacific Entomologist*. 87 (2): 98–105. (P006/ 6.8) ISSN 0031-0603.
15. Hayat, M.; **Khan, F. R.** and Badruddin, S. M. A. 2011. Type depositories of Chalcidoidea (Hymenoptera) species described from the Department of Zoology, Aligarh Muslim University, India. *Zootaxa*, 2786: 1–26. (Z012/7.3). ISSN 1175-5334.
16. **Khan, F. R.** and Hayat, M. 2011. Records of some species of *Elasmus* (Hymenoptera: Chalcidoidea: Eulophidae) from India. *Bionotes*, 13 (1): 7–11. ISSN 0972-1800.
17. Narendran, T. C. and **Khan, F. R.** 2011. Description of a new *Homoporous* Thompson (Hymenoptera: Pteromalidae) from North Eastern India with a key to oriental species. *Journal of the Bombay Natural History Society*. 107 (2): 162–164. ISSN 0006-6982.
18. Zeya, S. B. and **Khan, F. R.** 2011. On the records of *Gontocerus* Nees (Hymenoptera: Chalcidoidea: Mymaridae) from different Indian States. *Bionotes*, 13 (1): 11–13. ISSN 0972-1800.
19. Narendran, T. C. and **Khan, F. R.** 2011. On two new species of Chalcididae (Hymenoptera: Chalcidoidea) from India. *Journal of Threatened Taxa*, 3 (2): 1506 – 1513. ISSN 0974-7907.
20. Narendran, T. C.; **Khan, F. R.** and Abhilash Peter 2010. A preliminary review of *Merismus* Walker (Hymenoptera: Pteromalidae) of oriental region. *Hexapoda*, 17 (2): 113–118. (H009/3.5). ISSN 0973-8592.

21. Hayat, M and **Khan, F. R.** 2010. Additions to the Aphelinidae of India (Hymenoptera: Chalcidoidea) -1.The genera *Ablerus* Howard, *Coccophagus* Westwood, and *Pteroptrix* Westwood. *Colemania*, **30**: 1–31. ISSN 0970-3292.
22. **Khan, F. R.** and Hayat, M. 2010. Records of some Chalcididae (Hymenoptera: Chalcidoidea) from India. *Bionotes*, **12** (3): 77–80. ISSN 0972-1800.
23. Ali, Arshad; Rizvi P. Q. and **Khan, F. R.** 2010. Bio-efficacy of some plant leaf extracts against mustard aphid, *Lipahis erysimi* Calt. In Indian mustard, *Brassica juncea*. *Journal of Plant Protection Research*, **50** (2): 130–132. ISSN 1427-4345.
24. Ali, Arshad; Rizvi P. Q. and **Khan, F. R.** 2010. Influence of aphid species on the development of *Ischiodon scutellaris* (Diptera: Syrphidae) under natural environment. *Bionotes*, **10** (2): 65–66. ISSN 0972-1800.
25. Ali, Arshad; Rizvi, P. Q. and **Khan, F. R.** 2010. Predatory performance of *Coccinella transversalis* on different aphid species under natural environment. *Bionotes*, **12** (1): 31–32. ISSN 0972-1800.
26. Ali, Arshad.; Rizvi P. Q. and **Khan, F. R.** 2009. Predation of three coccinellid larvae on mustard aphid: a comparative study. *Bionotes*, **11** (4): 125–126. ISSN 0972-1800.
27. Ali, Arshad; Choudhary, Rummana A.; Ahmad, Zubair; Rahman, Farkhunda; **Khan, F. R.**; and Ahmad, Syed Kamran. 2009. Biological attributes of *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae) on chickpea, *Cicer arietinum*. *Tunisian Journal of Plant Protection*, **4**: 99–106. ISSN 1427-4345.
28. Hayat, M. and **Khan, F. R.** 2009. Records of the genus *Eubroncus* Yoshimoto, Kozlov & Trjapitzin from India (Hymenoptera: Chalcidoidea: Mymaridae). *Journal of Threatened Taxa*, **1** (8): 439–440. ISSN 0974-7907.
29. Hayat, M. and **Khan, F. R.** 2009. Records of some Encyrtidae (Hymenoptera: Chalcidoidea) from the northern and north-eastern States of India. *Bionotes*, **11** (3): 77–81. ISSN 0972-1800.
30. Ali, Arshad; Rizvi P. Q. and **Khan, F. R.** 2009. Influence of different aphid species on the predation of *Ischiodon scutellaris* Fabr. (Diptera: Syrphidae) under natural environment. *Bionotes*, **11** (3): 95–96. ISSN 0972-1800.
31. Hayat, M. & **Khan F. R.** 2009. Description of new species of *Oligosita* Haliday (Hymenoptera: Chalcidoidea: Trichogrammatidae) from India. *Journal of Threatened Taxa*, **1** (2): 117–118. ISSN 0974-7907.
32. Hayat, M & **Khan, F. R.** 2008. Records of Encyrtidae mainly from Orissa and West Bengal states of India (Hymenoptera: Chalcidoidea). *Bionotes*, **10** (4): 125–126. ISSN 0972-1800
33. Hayat, M.; Badruddin. S.M.A and **Khan. F. R.** 2008. Descriptions of five new and records of eight known species of encyrtidae from India (Hymenoptera: Chalcidoidea). *Oriental Insects*, **42**: 103–115. (O013/6.6) ISSN 0030-5316.
34. Hayat, M., Anis, S.B. & **Khan, F. R.** 2008. Records of some Mymaridae (Hymenoptera: Chalcidoidea) from India, with description of two new species. *Oriental Insects*, **42**: 327–333(O013/6.6) ISSN 0030-5316.

35. **Khan, F. R.** 2008. Studies on the biology of bamboo locust, *Choroedocus illustris* Walker (Acrididae: Orthoptera) under laboratory conditions. *Biosystematica*, **2** (1): 62–69. ISSN 0973-7871.
36. Hayat, M. & **Khan F. R.** 2007. Description of four new species of *Ooencyrtus* Ashmead (Hymenoptera: Encyrtidae), with records of seven known species from India. *Biosystematica*, **1** (1): 31–36. ISSN: 0973-7871.
37. Hayat, M.; Badruddin. S.M.A and **Khan. F. R.** 2007. Records of some Encyrtinae and Tetracneminae from India (Hymenoptera: Chalcidoidea: Encyrtidae). *Bionotes*, **9** (2): 40–43. ISSN 0972-1800.
38. Hayat, M.; Badruddin. S.M.A and **Khan. F. R.** 2007. On some Chalcids reared from a mealybug infesting *Abutilon indicum* in Aligarh, India. *Bionotes*, **9** (2): 65. ISSN 0972-1800.
39. SKA Rizvi; NP Singh; N Maqbool and **Khan, F. R.** 2005. Bioefficacy of new parasitic mite, *Padopolipus diander* Volkonsky (Acarina: Podapolipodidae) on Lesser rice locust, *Oxya velox* (Orthoptera: Acrididae). Green Pesticides for Insect Pest Management. 234. Alpha Science Int'l Ltd.
40. Maqbool, N.; **Khan, F. R.**; Rizvi, S.K.A and Badruddin, S.M.A. 2004. Record of an earwig predator on the eggs of *Trilophidia annulata* (Orthoptera: Acrididae). *Bionotes*, **6** (1): 31. ISSN 0972-1800.
41. **Khan, F. R.**; Maqbool, N. and Rizvi, S.K.A. 2003. Studies on the chromoecology of swarming grasshoppers as a behavioural indicator of environmental changes in the biotic diversity. *Indian Journal of Applied Entomology*, **17**(1):85–89. ((I027/2.7) ISSN 0970–9509.
42. **Khan, F. R.**; Badruddin, S.M.A Maqbool, N. and Rizvi, S.K.A. 2003. Environmental studies on occasionally gregarious lesser migratory grasshopper, *Oedaleus abruptus* (Orthoptera: Acrididae). *Indian Journal of Environmental Sciences*, **7** (2): 137–138. ISSN 0971-8958.
43. **Khan, F. R.**; Maqbool, N.; Hassan, E and Badruddin, S.M.A. 2003. Record of damage to some medicinal plants by nursery locust, *Phlaeoba infumata*. (Orthoptera: Acrididae). *Bionotes*, **5** (2): 48. ISSN 0972-1800.
44. Rizvi, S.K.A.; **Khan, F. R.**; Maqbool, N.; Badruddin, S.M.A.; Shosha, T.A 2003. Effect of crowding on the nymphal duration of the *Acrida exaltata* Walker (Orthoptera: Acrididae). *Bionotes*, **5** (3): 75. ISSN 0972-1800

Accepted/ communicated

45. **Khan, F. R.** and Hayat, M. On the records of *Elasmus* (Hymenoptera: Chalcidoidea: Eulophidae) from India. (Communicated)
46. **Khan, F. R.** and Hayat, M. New records of chalcids (Hymenoptera: Chalcidoidea: Chalcididae) from India. (Communicated)

Referees

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