

## *Curriculum vitae*

**DR. MD. EHTASHAMUL HASSAN, Ph.D.**

Scientist – D,

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Zoological Survey of India,

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10<sup>th</sup> January, 1978

MALE

GENERAL

YES

Date of Birth

Gender (M/F/T):

Category Gen/SC/ST/OBC

Whether differently abled (Yes/No):

### **Academic Qualification (Undergraduate Onwards)**

| S.N | Degree | Year | Subject                 | University/Institution             | % of Marks |
|-----|--------|------|-------------------------|------------------------------------|------------|
| 1.  | B. Sc. | 1998 | ZOOLOGY                 | Aligarh Muslim University, Aligarh | 55.6%      |
| 2.  | M. Sc. | 2000 | ZOOLOGY<br>(ENTOMOLOGY) | Aligarh Muslim University, Aligarh | 64.2%      |
| 3.  | B.Ed.  | 2001 | LIFE SCIENCE            | Aligarh Muslim University, Aligarh | 57 %       |
| 4.  | Ph. D. | 2008 | ZOOLOGY                 | Aligarh Muslim University, Aligarh | Awarded    |

|                    |  |
|--------------------|--|
| Ph.D. thesis title | Chromoecology and Morphometrical studies on swarming Acridoides.   |
| University:        | Aligarh Muslim University, Aligarh   |
| Supervisor:        | Dr. Mohammad Hayat, Chairman, Department of Zoology.   |
| Year of Award:     | 2008   |
| Out come           | Surveyed in and at Aligarh district (Uttar Pradesh) during the period of 2002 to 2005 for the collection of Grasshoppers for conducting ecological studies (Population dynamics, Biology, Colour patterns and Morphometrics under different Ecological conditions) |

**Work experience (in chronological order):**

| S. No | Positions held         | Name of the Institute  | From        | To           | Pay Scale                                 |
|-------|------------------------|--|-------------|--------------|---|
| 1     | Scientist-D            | Zoological Survey of India, M-Block, New Alipore, Kolkata-700053.        | 28.01.2015  | Continue     |   |
| 2     | Scientist-C            | Zoological Survey of India, M-Block, New Alipore, Kolkata-700053.        | 20.10.2010  | 27.01.2015   | 15,600-39,100 + 6600 GP                   |
| 3     | Assistant              | Central Silk Board, MoT, Govt. of India, Madivala, BTM Layout, Bangalore | August 2008 | October 2010 | GP- Rs. 4200/-                            |
| 4     | JRF/ SRF (DST Project) | Tropical Forest Research Institute (TFRI), Jabalpur (MoEF)               | March, 2006 | August, 2008 | Rs 12,000/<br>Rs 14,000<br>(Consolidated) |

**Area of Specialization****Entomology: (Taxonomy, Ecology & Biological Control)**

- ❖ Taxonomy of Pentatomidae and other heteropteran families (Hemiptera)
- ❖ Taxonomy and study of Biological Control of egg parasites, *Trichogramma* and *Trichogrammatoidea* (Hymenoptera: Trichogrammatidae)
- ❖ Biological control (Host culture, Mass multiplication of *Trichogramma*)
- ❖ Ecology, biology and morphometrics of Grass hoppers and Locusts (Orthoptera).

**Field experienced****Tropical Forest Research Institute, Jabalpur**

Joined a DST Project entitled "Screening of indigenous species of *Trichogramma* Westwood and *Trichogrammatoidea* Girault (Hymenoptera: Trichogrammatidae) from central India and their utilization against important forest insect pests at Tropical Forest Research Institute, Jabalpur. Collected more than 3000 examples from the four states of Maharashtra, identified 4 new records to India, added 17 new species of *Trichogramma* and *Trichogrammatoidea* to the science, four species of *Trichogramma* were tested against important forest insect pests.

**Central Silk Board, Bangalore**

Joined Central Silk Board, Bangalore at Headquarters and was placed in Technical Section to handle Cluster Development Programmes and Sericulture Development in India, RS & GIS programme and evaluation of Scientific Technical Reports.

**Zoological Survey of India, HQ, New Alipore, Kolkata**

I joined ZSI, Headquarters, Kolkata on 20<sup>th</sup> October, 2010 and posted in Hemiptera Section. Started taxonomic studies on the family Pentatomidae and other families of Heteroptera.

Research programmes conducted : 1. Hemipteran fauna of Maharashtra under State fauna series, 2. Satkosia Bassipalli Wildlife Sanctuary, 3. Terai Grasslands of Gangatic planes, 4. Gorumara NP & Chapramari Wildlife Sanctuary, Mahananda Wildlife Sanctuary.

## Publications

- M. E. Hassan, B. Biswas and K. Praveen. 2016. Taxonomic Studies on some Hemiptera of Tripura, North East, India, *Mun. Ent. Zool.*, 11 (1): 142-150.
- Hassan, M.E., Mukherjee, P and Biswas, B. 2016. Report of aggregation behaviour in sweet potato bug, *Physomerus grossipes* (Fabricius) (Hemiptera: Coreidae) from Nasik, Maharashtra on Gardenia latifolia plant, *International Journal of Fauna and Biological Studies*, 3 (3) : 192-196.
- Hassan, M. E., Mukherjee, P. and Biswas, B. 2016. A new species of *Aeschrocoris* Bergroth (Hemiptera: Heteroptera: Pentatomidae: Pentatomine) from India, *Munis Journal of Entomology and Zoology*, 11 (1) : 246-249.
- Mukherjee, P. and Hassan, M. E. 2015. Some new records of Reduviidae (Heteroptera: Hemiptera) from Telangana, India, *Munis Journal of Entomology and Zoology*, 11 (2): 591-595.
- Hassan, M.E., Mukherjee, P. and Biswas, B. 2015. First record of *Hermolaus typicus* Distant (Heteroptera: Pentatomidae) from Maharashtra, *International Journal of Fauna and Biological Studies*, 2 (6): 1-4.
- Hassan, M. E., Biswas, B. and Praveen, K. 2015. Taxonomic studies of two Stilt Bugs, *Metacanthus (metacanthus) pertenerus* (Breddin) and *Gampsocoris pulchellus* Dallas (Hemiptera: Berytidae) from Maharashtra. *PROMMALIA*, 3: 105-109 (ISSN 2320-4311).
- Praveen, K. Biswas, B., Hassan, M. E., Chandra, K. and Sabita, R. 2014. Some new records of Leafhoppers (Cicadellidae: Hemiptera) from Chhattisgarh, India, *Biolife*, 2(4): 1075-1085.
- M. E. Hassan, K. Chandra and B. Biswas. 2014. Report of Litchi Stink Bug, *Tessarotoma javanica* (Hemiptera: Tessaratomidae) on Mahua Tree in Chhattisgarh, *Rec. zool. Surv. India*, 114 (2): 263-268.
- M. E. Hassan, Jhikmik Dasgupta and B. Biswas. 2014. Entomophagy in Manipur, N.E.India, *Eurotusgrossipes* (Hemiptera: Tessaratimidae), an Edible Insect for Tangkhul Naga Tribe, *Bionotes*, 16 (3): 82-83.
- M. E. Hassan. 2014. Chromo-Ecological studies of two short horn Grasshoppers, *Phlaeoba infumata* Brunner and *Oedaleus abruptus* Thunberg (Orthoptera: Acrididae), *International Journal of Fauna and Biological Studies*; 1 (5): 69-79.
- M. E. Hassan, and B. Biswas. 2014. Record on some Hemipteran fauna from the Sunderban Biosphere Reserve, West Bengal, India, *Bionotes*, 16 (1): 29.
- S. Prabakaran, Bishwabrota Biswas, Maya Ghosh, Animesh Bal, M. E. Hassan, Pramita Mukherjee and G. Ramesh. 2017. Insecta: Homoptera: Membracidae (Tree Hoppers), Fauna of Kanyakumari Wildlife Sanctuary, Conservation Area Serise, 58: 155-159.

- P. C. Saha, B. Biswas, M. E. Hassan, Kailash Chandra, Sandeep Kushwaha, K. Praveen. 2017. On an Account of Superfamily Phyyrocoroidea (Hemiptera: Heteroptera) from Chhattisgarh, India, *Rec. Zool. Surv. India*: **117** (2) : 146-153. DOI: [10.26515/rzsi/v117/i2/2017/118012](https://doi.org/10.26515/rzsi/v117/i2/2017/118012).
- Kailash Chandra, M. E. Hassan and Sandeep Kushwaha. 2017. Diversity of Hemiptera fauna of Daman and Diu, India, *International Journal of Global Science Research*, **4** (7): 497-502.
- Tania Chatterjee, Koyel Chakraborty, Subhrajit Bhaumik, Souradip Roy, Biswabrota Biswas and M.E.Hassan. 2017. Diversity of the Bugs (Insecta: Hemiptera) in Salt Lake City, Kolkata, *Bionote*, **19** (1): 24-25.
- Bishwabrota Biswas, Maya Ghosh, Animesh Bal, M. E. Hassan, and Pramita Mukherjee. 2017. Insecta: Hemiptera, Fauna of Kanyakumari Wildlife Sanctuary, Conservation Area Serise, **58**: 125-154.
- Paramita Mukherjee, M. E. Hassan and B. Biswas. 2016. A new species of *Physomerus* Burmeister (Hemiptera: Heteroptera: Coreidae: Coreinae), with a key to species in India, *Zootaxa*, **4208** (3): 282-292.
- Paramita Mukherjee, Kailash Chandra, M.E. Hassan, B. Biswas and Sandeep Khushwaha. 2016. Assassin bugs (Reduviidae: Heteroptera) from Chhattisgarh, India, *Rec. zool. Surv. India*, Occ. Paper No. **379**: 1-47.
- P.C. Saha, B. Biswas, M.E. Hassan, Kailash Chandra and Praveen K. 2016. On an account of family Lygaeidae (Hemiptera : Heteroptera) Chhattisgarh, India, *Rec. zool. Surv. India*, **116** (2) : 129-158.
- Mukherjee, P., Ambrose, D.P., Hassan, M.E. and Biswas, B. 2015. A new species of *Stenolemus* Signoret (Hemiptera: Heteroptera: Reduviidae: Emesinae) from India, *Zootaxa*, **3904** (1): 116-122.
- Mukherjee, P. and Hassan, M. E. 2016. Three new records of Reduviidae (Heteroptera: Hemiptera) from Punjab, India, *Munis Journal of Entomology and Zoology*, **11** (1) : 260-262.
- Mukherjee, P. and Hassan, M. E. 2016. Three new records of Reduviidae (Heteroptera: Hemiptera) from Jharkhand, India, *Munis Journal of Entomology and Zoology*, **11** (2): 539-541.
- Mukherjee, P. and Hassan, M. E. 2016. Three new records of assassin bugs from Andaman and Nicobar Islands, India, *Munis Journal of Entomology and Zoology*, **11** (2): 573-575.
- Mukherjee, P. and Hassan, M. E. 2016. Reduviidae (Heteroptera: Hemiptera) recorded as new from Odisha, India, *Munis Journal of Entomology and Zoology*, **11** (2): 501-507.
- Mukherjee, P. and Hassan, M. E. 2016. New records of *Coranus siva* Kirkaldy and *Lisarda annulosa* Stal (Reduviidae: Hemiptera) from Andhra Pradesh. India, *Munis Journal of Entomology and Zoology*, **11** (2): 579-581.
- Mukherjee, P. and Hassan, M. E. 2016. New record of *Nabis brevilineatus* Scott (Hemiptera: Nabidae: Nabinae) from India along with redescription, *Munis Journal of Entomology and Zoology*, **11** (1) : 257-259.
- Mukherjee, P. and Hassan, M. E. 2016. Four new records of Reduviidae (Heteroptera: Hemiptera) from Jammu and Kashmir, India, *Munis Journal of Entomology and Zoology*, **11** (2): 482-485.

- B. Mitra, S. K. Saha, P. Mishra, B. Biswas, M. E. Hassan and P.C.Saha. 2014. Hemiptera Associated with the Tea plants in North Bengal. *Bionotes*, **16** (4): 128-129.
- B. Biswas, Paramita Mukherjee, Kailash Chandra, M. E. Hassan and Sandeep Kushwaha. 2014. On an account of Reduviidae (Hemiptera) from Chhattisgarh, India, *Rec. zool. Surv. India*, **114**(1): 35-55.
- B. Biswas, M. E. Hassan, Kailash Chandra, Sandeep Kushwaha and Paramita Mukherjee. On an account of Pentatomoidea (Heteroptera: Hemiptera) from Chhattisgarh, India, *Rec. zool. Surv. India*: **114** (2): 211-231.
- M. E. Hassan, B. Biswas and K. Praveen, 2013. First record of *Courtesius Illuminates* Distant (Hemiptera: Pyrrhocoridae) from India, *Biolife*, 1 (3): 93-95
- Yousuf, M and Hassan, M.E. 2009. Addition of one new species of *Chelonus* Penzer (Hymenoptera: Braconidae) from Madhya Pradesh, India. *Journal of Tropical Forestry*. **25** (III&IV): 72-74.
- Yousuf, M., Hassan, M.E. and Joshi, K.C. 2008. Record of *Trichogramma raoi* Nagaraja (Hymenoptera: Trichogrammatidae) from central India, along with additional morphometric & diagnostic characters. *Journal of Tropical Forestry*. **24** (III & IV) : 69-74.
- Yousuf, M and Hassan, M.E. and Singh, R. B. 2008. Record of *Apantelis* sp (Hymenoptera: Braconidae): A larval parasitoid of *Atteva fabriciella* Swederus. *Bull. Pure. & Appl. Sci.* **27A** (1) : 31-34.
- Yousuf, M and Hassan, M.E. 2008. First record of *Trichogramma thalense* Pinto & Oatman (Hymenoptera: Trichogrammatidae) from central India. *Bull. Pure. & Appl. Sci.* **27A** (2) : 83-88.
- Yousuf, M and Hassan, M.E. 2008. Description of a new species of *Trichogramma* Westwood (Hymenoptera: Trichogrammatidae) from central India. *Entomon.* **33** (3) : 189-193.
- Yousuf, M and Hassan, M.E. 2007. Record of one new species of *Trichogramma* Westwood (Hymenoptera: Trichogrammatidae) from Madhya Pradesh, India. *Bio Sci. Res. Bull.* **23** (1) : 7: 11.
- Hassan, M.E. and Yousuf, M. 2007. First record of *Trichogramma plasseyensis* Nagaraja (Hymenoptera: Trichogrammatidae), from central India, and its morphometric & additional diagnostic characters. *Indian Journal of Entomology* **69** (1) : 58-62.
- Yousuf, M and Hassan, M.E. 2006. Description of a new species of *Trichogrammatoidea* Girault (Hymenoptera: Trichogrammatidae) from central india. *Bull. Pure. & Appl. Sci.* **25A** (2) : 85-88.
- F. R. Khan, N. Maqbool, E. Hassan & S. M. A. Badruddin. 2001. Record of damage of some medicinal plants by the nursery locust, *Phlaeoba infumata* (Orthoptera: Acrididae) *Bionotes*. **5**(2) : 48.

### Conferences/ Seminars.

#### Papers in Symposium proceedings

1. Yousuf, M and Hassan, M. E. 2008. Record on indigenous species of *Trichogramma* & *Trichogrammatoidea*, from central India and there role in integrated Pest Management of

- key insect pests of forestry. In, National Symposium on, “*Integrated Pest and Disease Management (IPDM) in arid and Semi-arid areas*”, March, 12th-13th , 2008; at Arid Forest Research Institute, Jodhpur (Rajasthan) (Abstract, O 21).
2. Yousuf, M and Hassan, M.E. 2008. First records of Brachonid parasitoides and their host range with special reference to forest tree species in Madhya Pradesh. In, National Symposium on “*Forest and Environments in India: Contemporary issues and challenges*” , February, 18th – 19th , 2008; at Guru Ghasidas University, Bilaspur (Chhattisgarh). (Abstract, P 17).
  3. Yousuf, M and Hassan, M.E. 2007. Screening of indigenous species of *Trichogramma* Westwood & *Trichogrammatoidea* Girault, from central India In, National Symposium on “*Emerging trends of Bio-inoculants in forestry*”, April, 26th-27th, 2007, at, Tropical Forest Research Institute, Jabalpur (M.P.) (Abstract, P 23).
  4. Rizvi, S.K.A., Basit, A. , Badruddin, S.M.A. and Hassan, M.E. 2004. Ecological studies on some occasionally gregarious Acridoides of North India. In, National Symposium on “*The Modern Trends in Researches on Physiological and Entomology*” , Jan, 27th-29th, 2004, at Dept. of Zoology, DR.H.S.GOUR University, Sagar. (Abstract, P 24).
  5. Badruddin, S.M.A., Nazma Maqbool, Shosha, T.A., Khan, F.R., Hassan, M.E. and Rizvi, S.K.A. 2003. Grasshoppers as Bioindicator of Environmental Pollution through Chromoecological Behaviour. In, Souvenir National Conference on “*Environmental Pollution Prevention & Control*”, June, 5th, 2003, at University Polytechnic, A.M.U. Aligarh.
  6. Rizvi, S.K.A., Nazma Maqbool, Badruddin, S.M.A. and Hassan, M.E. 2003. On the significance of Biodiversity in eastern and North eastern States in Macrobio-technology. In, National Symposium on “*Assessment and Management of Bioresources*” May, 28th-30th, 2003, at Dept. of Zoology, University of North Bengal (Abstract, P 70).
  7. Nazma Maqbool, Rizvi, S.K.A., Badruddin, S.M.A. and Hassan, M.E. 2003. Land use with reference to Pestilence in Agriculture Geography. In, National Conference on “*Population, Poverty and Environment*”, May, 10th-12th, 2003, at Dept. of Georaphy, Aligarh Muslim University, Aligarh. (Abstract, P-4).
  8. Khan, F.R., Hassan, M.E. and Rizvi, S.K.A. 2002. A new record of gregarious behavior and colour patterns in *Choroedocus illustris* (Orthoptera: Acrididae). In, National Symposium on “*Recent trends in Zoological Science*”, March, 12th & 13<sup>th</sup> , 2003, at Dept. of Zoology, Punjab University, Patiala. (Abstract, P 33).
  9. Rizvi, S.K.A., Shosha, T.A., Rizvi, M. and Hassan, M.E. 2002. Chromoethological studies on the gregarious behavior of certain solitary Acridoides in North India. In All India Symposium on “*Wildlife & 27th Conference of the Ethological Society of India*”. March 25th-27th, 2002, at Dept. of Zoology, University of Kerala, Thiruvanthapuram (Abstract, C-36).
  10. Rizvi, S.K.A., Badruddin, S.M.A., Khan, F.R., Shosha, T.A. and Hassan, M.E. 2002. Ethological studies on *Oxya velox* (Orthoptera: Acrididae) with reference to its aquatic environment specificity in Acrodoid biodiversity. In, National Symposium on “*Recent trends in Restoration of Aquatic Environment and Biodiversity of Insect*” February, 15th & 16th , 2002, Kongunadu Art and Science College, Coimbatore (Abstract, SII-6).
  11. National Conference on “*Bio-degradation of Wildlife, Environment and Biodiversity*” to be held on 19<sup>th</sup> and 20<sup>th</sup> March, 2017 at Gandhi Faiz-e-Alam College, Shahjahanpur and presented paper on “*Role of Stink Bugs in the Assessment of Climate Change*”.

12. Hassan, M. E. and Biswas, B. 2013. Record on some Stink bugs (Hemiptera: Pentatomidae) from Maharashtra, *Proceedings of NCIDS*, A.M.U., Aligarh: 20-28.
13. Biswas, B. Hassan, M. E. and Mukherjee, P. 2013. On an Account of Assassin Bugs (Hemiptera: Heteroptera: Reduviidae) of Maharashtra, *Proceedings of NCIDS*, A.M.U., Aligarh : 11-16.
14. J. Dasgupta, T. K. Pal, & M. E. Hassan. 2015. Significance of land-water interface (reservoir edge) for the perpetuation of fauna. *Proceedings of National Seminar on Aquaresources: Care and Concerns, Kolkata*, p. 47.

#### **BOOKS/ REPORTS/ CHAPTERS/ GENERAL ARTICLES ETC.**

1. Assassin bugs (Reduviidae: Heteroptera) from Chhattisgarh, India
2. State of Art – Hemiptera
3. Hemipteran fauna associated with mangrove in India
4. Hemipteran Fauna of The Himalayan ecosystem

#### **Evaluation of Thesis**

Evaluated thesis entitled “*Bio-ecology and Management of Walnut Aphids of Kashmir valley*” received from Kashmir University, Srinagar.

#### **Supervision of M. Sc. Dissertation**

Supervised Km. Suchana Pramanik student of Zoology (final year) of Dr. C. V. Raman University in the M. Sc. dissertation work on “Morphometrical Studies of Some Stink Bugs (Hemiptera : Pentatomidae) from North East India (Meghalaya and Tripura)”

#### **SCIENTIFIC AFFILIATIONS:**

1. Life membership: Zoological Society of Kolkata
2. Entomological Society of India, New Delhi.
3. Bulletin of Pure and Applied Sciences, New Delhi.
4. Bio-Science Research Bulletin, New Delhi.