

RESUME

From

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Name **MAHENDER SINGH**

EDUCATIONAL QUALIFICATION: M.SC, M.Phil, Ph.D (ZOOLOGY, HPU, SHIMLA)

Area of Specialization: *Entomology (Molecular Taxonomy, Biodiversity)*

A. Pre-Doctorate Experience

a) Teaching

- i. Lecturer Zoology (01 year) one academic session: August, 1999 to March, 2000 (P.G.D.A.V. College Daulatpur Chowk, Una, Himachal Pradesh): Teaching of graduation classes i.e. B.Sc.^{1st} to B. Sc.3rd.
- ii. Lecturer Zoology (04 months) one academic session: September, 2003 to December, 2003 (Rajkiya Kanya Mahavidyalaya, Shimla, Himachal Pradesh): Teaching of graduation classes i.e. B.Sc.^{1st} to B. Sc.3rd.
- iii. Lecturer Biology (04 months) one academic session: September, 2002 to December, 2002 (G.S.S.S. Deothi, Solan, Himachal): Teaching of +1 & +2 classes (Science)

b) Research

- i. JRF (2.4 years) March 2000 to July 2002 (MoEF, HAZFS, Zoological Survey of India, Solan, H.P.): Exploration of faunal diversity, taxonomy distribution, abundance, ecology etc. in Western Himalaya, and Shiwalik Hills of Punjab, UT-Chandigarh and Himachal Pradesh.

B. Post -Doctorate Experience

a) Teaching

- i. Lecturer Life Sciences (7.9 years) October 4, 2004 to October 10, 2010 and October, 2013 to August, 2015 (S.M. Degree College, Lehragagga, Punjab): Teaching of Environment Science Course in UG & PG Classes.
- ii. Associate Professor & HOD August, 2015 to August, 2016 (Maharaja Agrasen University, Baddi, Solan, H.P.)

b) Research (3 years & continued)

- i. Young Scientist (03 years) October 11, 2010 to October, 2013 & April 2015 (Deptt. Of Biosciences Himachal Pradesh University, Summer Hill, Shimla (H.P.), India: *On Molecular Taxonomy

c) Administrative/Teaching/Research

- i. As Principal S.M.Degree College (Affiliated Punjab Technical University, Jalandhar) w.e.f. May, 2015 to August, 2015

C. Publications

LIST OF PUBLICATIONS

1. Mehta, H.S., **Thakur, M.S.**, Sharma, R.M. & Mattu, V.K. 2002. Butterflies of Pong Dam Wetland, Himachal Pradesh, India. *Bionotes*, **4**(2): 37-38. **(Indexed/Abstracted/reviewed; SCI Journal)**
2. **Thakur, M.S.**, Mehta, H.S. & Mattu, V.K. 2002. Butterflies of Kalatop-Khajjiar Wildlife Sanctuary Himachal Pradesh. *Zoo's Print Journal*, **17**(10): 909-910. **(Indexed/Abstracted/reviewed; SCI Journal; IF- .568)**

3. Mehta, H.S., Sharma, R.M., Mitra, B, and **Thakur, M.S.** 2003. A Preliminary Study on the butterflies of Himachal Pradesh as flower visitor and pollinators. *Annals of Entomology*, **21**(1-2):1-3.
(Indexed/Abstracted/ reviewed; Non-SCI Journal; NAAS Rating-3.4; IF- still computing)
4. Arora, G.S., Mehta, H.S., Walia, V.K. & **Thakur, M.S.** 2006. Lepidoptera: Butterflies. In: Biodiversity in the Shivalik Hills of Punjab. Punjab State Council for Science and Technology, Chandigarh. Bishen Singh Mahendra Pal Singh, New Cannought Palace, Dehradun, India: 587-609.
5. **Thakur, M.S.**, Mattu, V.K. & Mehta, H.S 2006. Distributional records of butterflies (Lepidoptera: Rhopalocera) from Pin Valley National Park, Himachal Pradesh, India, *J. Ann. For.* **14**(1):83-85.
(Peer reviewed published by Elsevier; SCI Journal; IF- still computing)
6. **Thakur, M.S.**, Mattu, V.K. & Mehta, H.S 2006. Studies on the butterflies of Sukhana and catchment area in Chandigarh, India. *J. Ent. Res.* **30**(2):175-178. **(Peer reviewed published by Elsevier; SCI Journal; NAAS IF- 3.9; IF- .320)**
7. **Thakur, M.S.**, Matt, V. K. & Mehta, H.S. 2008. Insect diversity studies of Sukhana and catchment area Chandigarh, India. *Bugs 'R' Newsletter*, **16**: 2-4.
8. **M.S. Thakur**, V.K. Mattu and S. L Mehta. 2008. Distributional Record of Insect Diversity in different altitude of Shimla Hills, Himachal Pradesh, India. *J. Ent. Res.***32** (4): 317-321. **(Peer reviewed published by Elsevier; SCI Journal; NAAS IF- 3.9; IF- .320)**
9. **Thakur, M.S.**, Mehta, H.S. & Mattu, V.K. 2010. Check list of butterflies (Lepidoptera: Rhopalocera) of Ropar wetland and its environs, Punjab, India. *J. Ent. Res.* **34**(1): 85-94. **(Peer reviewed published by Elsevier; SCI Journal; NAAS IF- 3.9; IF- .320)**
10. **M.S. Thakur**, V.K. Mattu & S. Saraswat, 2010. Study on insect diversity of Shimla hills of Western Himalaya, India. *J. Ann. For.* **34**(1): 135-140. **(Peer reviewed published by Elsevier; SCI Journal; IF- still computing)**
11. **Thakur, M.S.** & Mattu, V.K. 2010. The Role of Butterflies as Flower Visitors and Pollinators in Shivalik Hills of Western Himalaya. *Asian Jr. of Experimental Biological Sciences*, **1**(4): 822-825.
(Peer reviewed/Indexd/Abstracted; SCI Journal; IF- still computing)
12. Sharma, V., Mattu, V.K. & **Thakur, M.S.** 2010. Studies on Varroa, a parasitic mite on Honeybee colonies in Shivalik Hills of Western Himalaya. *J. Ent. Res.* **35**(1): 59- 61. **(Peer reviewed published by Elsevier; SCI Journal; NAAS IF- 3.9; IF- .320)**
13. Thakur, S.K. & **Thakur, M.S.** 2011. Long horned grasshoppers (Orthoptera: Ensifera) diversity from Sukhna Wildlife Sanctuary, Chandigarh, India. *International Jr. of Agriculture, Environment and Biotechnology*, **4**(2):11-12. **(Indexed/Abstracted; Non-SCI Journal; NAAS rating- 4.10; IF- still computing)**
14. Sharma, V., Mattu, V.K. & **Thakur, M.S.** 2011. Infestation of *Achoria grisella* F. (Wax Moth) In honey comb of *Apis mellifera* L. in Shiwalik hills, Himachal Pradesh. *International Jr. of Science & Nature*, **2**(2): 407-408. **(Peer reviewed/Indexd; Non-SCI Journal; IF- .4277)**
15. Sharma, V., Mattu, V.K. & **Thakur, M.S.** 2011. Studies on seasonal variations of ectoparasitic mites on honeybee colonies in Shivalik Hills, Himachal Pradesh. *International Jr. of Innovations in Bio-Sciences*, **1**: 21-23. **(Peer reviewed/Indexd/Abstracted; Non-SCI Journal; IF- still computing)**
16. **Thakur, M.S.** & Thakur, S.K. 2011. The study on diversity of short-horned Grasshoppers (Orthoptera: Califra) in Sukhna wildlife sanctuary & catchment Area, Chandigarh, India. *International Jr. of Agriculture, Environment and Biotechnology*, **4** (4): 1-4. **(Indexed/Abstracted; Non-SCI Journal;**

NAAS rating- 4.10; IF- still computing)

17. Sharma, V., Mattu, V.K. & **Thakur, M.S.** 2011. Diversity, distribution and seasonal Variations of *Vespa* species in Honeybee colonies of Himachal Pradesh. *Annals of Entomology*, **29** (2): 1-3. **(Indexed/Abstracted; Non-SCI Journal; NAAS Rating-3.4; IF- still computing)**
18. **Thakur, M. S.** & Bhardwaj, S. 2012. Study on diversity and host plants of butterflies in lower Shiwalik hills, Himachal Pradesh. *International Journal of Plant, Animal and Environmental Sciences*, **2**(1): 33-39. **(Peer reviewed; SCI Journal; IF- 1.0280)**
19. Thakur, S.K. & **Thakur, M.S.** 2012. Orthopteran crop- pest relationship in Ropar Wetland and its environ Punjab, India. *International Journal of Plant, Animal and Environmental Sciences*, **2**(1): 52-54. **(Peer reviewed; SCI Journal; IF- 1.0280)**
20. **Thakur, M.S.** & Thakur, S.K. 2012. Diversity of orthopteran crop-pest relationship and habitat type in Pongdam wild life sanctuary and surrounding area, Himachal Pradesh, India. *Journal of Applied Biosciences*, **38**(1): 93-97. **(Peer reviewed/ Indexed/Abstracted; Non- SCI Journal; IF- .68)**
21. **Thakur, M. S.** 2011. Studies on Lepidopteran (Rhopalocera: Butterfly) Diversity in Himachal Pradesh of the Western Himalaya. *Asian J. of Animal Sc.*, **6**(2): 198-202. **(Peer reviewed; Non-SCI Journal; IF- still computing)**
22. **Thakur, M.S.** & Thakur, S.K. 2013. Check list of Orthopteran of Sarkaghat valley Mandi, Himachal Pradesh, India. *Bionotes*, **15**(2): 52-53. **(Indexed/Abstracted/reviewed; SCI Journal)**
23. **Thakur, M.S.** 2013. Molecular studies of seven species of Butterflies (Lepidoptera: Pieridae) through RAPD-PCR technique. *International Jr. of Pharma & Bio Sciences*, **4**(3): 1090-1098. **(Peer reviewed/Abstracted; SCI Journal; IF- 2.958)**
24. Rana, J., Thakur, P. & **Thakur, M.S.** 2013. Comparision of insect succession on dead *Sus scrofa* Linn. (Chordata: Mammalia: Artiodactyla: Suidae) in grassland and partially immersed aquatic environment. *Journal of Pharmaceutical and Biomedical Sciences*, **29**(29): 843-848. **(Peer reviewed; SCI Journal; IF- 1.862)**
25. Rana, J., Thakur, P. & **Thakur. M.S.** 2013. Determination of morphine sulphate and its effect on the development of *Chrysomya megacephala* (Fabricius) on dead *Sus scrofa* Linnaeus (Chordata: Mammalia: Artiodactyla: Suidae). *Journal of Pharmaceutical and Biomedical Sciences*, **29** (29): 853-858. **(Peer reviewed /Abstracted; SCI Journal; IF- 1.862)**
26. **Thakur, M.S.** & Thakur, S.K. 2012. A Check list of Grasshopper fauna (Order: Orthoptera) of Himachal Pradesh, Western Himalaya, India. *Annals of Entomology* **31**(1):91-105. **Indexed/ Abstracted; Non-SCI Journal; NAAS Rating-3.4; IF- Still computing)**
27. Thakur, P. & **Thakur. M.S.** 2014. Impact of vitamin –E treatment in radiation (Y-IRRADIATION) induce changes in Chick Liver. *Journal of Pharmaceutical and Biomedical Sciences* **4**(4): 246-251. **(Peer reviewed/Abstracted; SCI Journal; IF- 1.862)**
28. **Thakur, M.S.** 2015. Molecular characterization of seven species of Butterflies (Lepidoptera: Erycinidae, Lycaenidae) by RAPD-PCR. *Jr. of Insect Science* **28**(2):317-325. **(Peer reviewed/Abstracted; SCI Journal; IF- .89)**
29. Kumar, Pawan, Kumar, M. & **Thakur, M.S.** 2015. Biodiversity and Habitat Association of Noctuid Moths (Lepidoptera: Noctuidae) in various Chirpine Forests of Himachal Pradesh *International Journal of Basic and Applied Scientific Aspects* **2**(1): 46-54.

30. **Thakur, M.S.** & Mattu, V.K. 2015. Biosystematic Studies on Insect Fauna in Bilaspur and Adjoining Areas, Himachal Pradesh. Proceeding: International Conference on Research Innovations in Engineering & Technology: 163-165 (978-93-856181-6-1)
31. **Thakur, M.S.**, Mattu, V.K. Kumar, Pawan, 2016. Check List of Butterflies of Shimla Hills, Himachal Pradesh. *International Journal of Basic and Applied Scientific Aspect.* 2(2): 6-9.
32. **Thakur, M.S.** 2013. Role of Butterflies as Flower Visitors, Pollinators and Flora conservation in Himachal Pradesh, Western Himalaya. *Annals of Entomology* 31(2):267-280. **Indexed/Abstracted; Non-SCI Journal; NAASRating-3.4; IF- Still computing)**
33. **Thakur, M.S.** & Thakur, S.K. 2013. Orthopteran (Grasshopper) diversity of Shivalik Hills, India. *Annals of Entomology (accepted)*. **Indexed/Abstracted; Non-SCI Journal; NAASRating-3.4; IF- Still computing)**
34. **Thakur, M.S.** & Thakur, S.K. 2017. Distributional record of Orthopteran diversity in Pin Valley National Park, Western Himalaya. *Bionotes*, 19(3): 113-114. **(Indexed/Abstracted/reviewed; SCI Journal)**

BOOK PUBLISHED

1. **M.S.Thakur & Mattu, V.K.**, 2015. The Butterflies of Shivalik Hills, India New Delhi Publishers, New Delhi- 11005.

e) Bulletins and Leaflets (03)

- i. Contributor to a booklet "Kalatop-Khajjjar Wildlife Sanctuary (Animal Life at a Glance)" published by Zoological Survey of India, Solan, in collaboration with H.P. State Council for Science, Technology and Environment, and H.P. Forest Department.
- ii. Contribution to book "Biodiversity in the Shivalik Hills of Punjab. Punjab State Council for Science and Technology, Chandigarh. Bishen Singh Mahendra Pal Singh, New Cannought Palace, Dehradun, India.
- iii. Contribution to a booklet "Mobile Exhibition (Museum Outreach Programme).Winged Beauty of India-specimens of butterflies & moths. Government Museum and Art Gallery, Chandigarh Administration, Chandigarh, India.