

RESUME

From

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Name **MAHENDER SINGH**
Father's Name Late Sh. Jeewanand Thakur
Mother's Name Late Smt. Tivari Devi Thakur
Nationality Indian
Category General
Date of Birth 04.04.1974

EDUCATIONAL QUALIFICATION (STARTING FROM GRADUATION ONWARDS)

YEAR	EXAMINATION	UNIVERSITY/INSTITUTION	CLASS/ DIVISION
1991	Matriculation	H.P.B.S.Edu. Dharamsala, Kangra, H.P.	1 st (62.15%)
1993	10+2 (PCB)	H.P.B.S.Edu. Dharamsala, Kangra, H.P.	2 nd (57.50%)
1996	B.Sc. (CBZ)	H.P. University, Shimla	1 st (60.19%)
1999	M.Sc (Zoology)	H.P. University, Shimla	1 st (60.80%)
2000	M.Phil (Zoology)	H.P. University, Shimla	1 st (65%)
2008	Ph.D Life Sciences (Zoology: Entomology)	H.P. University, Shimla	
2012	M.Sc (Envi. Science)	M.S.University Tirunveli, T.N.	1 st (62.00%)

- M.Phil Thesis:** Thakur, M.S.2000. Insect Diversity Studies of Sukhna and Catchment area Chandigarh. *M.Phil Thesis, Himachal Pradesh University, Shimla, India, 77pp., 5tables, 37figs., 4plates*
- Ph.D Thesis:** Thakur, 2008. Biosystematic and Ecological Studies on Butterflies from Shivalik Hills. *Ph.D Thesis, Himachal Pradesh University, Shimla, India, 140pp., 10tables., 32figs., 15plates*

A. Pre-Doctorate Experience

a) Teaching

- 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}.
- 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}.
- 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

- 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 (06 years) October 4, 2004 to October 10, 2010 (S.M. Degree College, Lehragagga, Punjab): Teaching of Environment Science Course in UG & PG Classes.
- ii. Associate Professor & HOD August, 2015 to till date (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 till date

C. Honour/Awards

- i. **Young Scientist Award** -Fast Track Programme by Department of DST, Govt. of India New Delhi in March, 2009
- ii. **Junior Research Fellow** by MoEF, Govt of India, HAZFS, Zoological Survey of India, Solan (2000-2002).

D. Research Supervisor for M.Phil/Ph.D

- i. **Five** students supervised /Guide in M.Phil
- ii. **Four** Ph.D students under supervision from Dravidian University, Kuppam, A.P. & One from Maharaja Agrasen University, Baddi, Solan, H.P.

E. Administrative Experience/Job Assignments

- i. Chief Superintendent of Examination Centre of Madurai Kamaraj University, Madurai (T.N.) in different study centres.
- ii. As External Practical Examiner of M.S. University, Tiruenveli (T.N.)
- iii. Joint Organising Secretary of 2nd Annual National Conference, Him Science Congress Association at MoEF, HFRI Shimla (May 17-18, 2014)
- iv. General Organising Secretary of 3rd Annual National Conference, Him Science Congress Association at P.G College Mandi H.P. (April 11-12, 2015)
- v. Co-Chaired a session in International Conference on Insect Science. University of Agricultural Sciences, Bangalore, Karnataka, India (February 14-17, 2013).
- iv. General Organising Secretary of 3rd Annual International Conference, Him Science Congress Association at Dharamshala (June 11-12, 2016)

F. Publications

a) Research Papers (31)

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-Khajjia 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/Indexed/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/Indexed; 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/Indexed/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. *Annalas of Entomology* **31**(1):91-105.**Indexed/ Abstracted; Non-SCI Journal; NAASRating-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.**2013. Role of Butterflies as Flower Visitors, Pollinators and Flora conservation in Himachal Pradesh, Western Himalaya. *Elsevier Agriculture, Ecosystems & Environment* (accepted)
31. **Thakur, M.S.** & Thakur, S.K. 2012. Distributional record of Orthopteran diversity in Pin Valley National Park, Western Himalaya. *International Jr. of Agriculture, Environment and Biotechnology* (accepted)

32. **Thakur, M.S.** & Thakur, S.K.2013. Orthoptera diversity of Shivalik Hills, Punjab India, India. *International Jr. of Agriculture, Environment and Biotechnology*
33. **Thakur, M.S.** & Mattu, V.K & Rana, P.K.2016. Check list of Butterflies of Shimla hills, Himachal Pradesh. *International Journal of Basic and Applied Scientific Aspects* (ISSN 2395-3373) 2(2): x-x.
34. Sarita Kumari Jawed Ahmed Khan & **M.S.Thakur**. 2016. STUDY ON HYTOPLANKTON, ZOOPLANKTON & ICHTHYO FAUNA OF MOTIA LAKE. *AQUATIC ECOLOGY*. (Communicated)
35. Sarita Kumari Jawed Ahmed Khan & **M.S.Thakur**. 2016. STUDY OF PHYSICO- CHEMICAL ARACTERISTICS OF WATER & SOIL IN RELATIONS TO FISH PRODUCTION IN MOTIA LAKE RESERVIOR. *WETLAND ECOLOGY & MANAGEMENT*. (Communicated)
36. Sarita Kumari Jawed Ahmed Khan & **M.S.Thakur**. 2016. Study on gross primary productivity, fish catch, stocking, fish yield, management in Motial Lake reservoir and socio-economic status of fisherman. *Environment & biology of Fishes*. (Communicated)

BOOK PUBLISHED

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

RESEARCH SUPERVISOR for M.Phil/Ph.D

- i. **Five** students supervised /Guide in M.Phil (M. S. University, Tiruenveli, Govt of TN)
- ii. **Five** Ph.D students under supervision (Dravidian University, Kuppam, Govt of AP & MAU H.P.)

c) Paper Presented in Seminar/Symposia (13)

e) Bulletins and Leaflets (03)

- i. Contributor to a booklet "Kalatop-Khajjiar 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.

G. Conferences/Seminar/Symposia/Workshop attended (18)

1. Indian Science Congress, 2001 (04-07Jan., 2001) at Indian Agricultural Research Institute, New Delhi, India
2. National Symposium on Recent Trends in Zoological Sciences. Punjabi University Patiala, India, March 12-13, 2003.
3. National Symposium on Frontier Areas of Entomological Research Indian Agricultural Research Institute, New Delhi & Entomological Society of India, 5th – 7th Nov., 2003.
4. Indian Science Congress, 2004 (03-07Jan., 2004) Panjab University & Institute of Microbiology Technology, Chandigarh, India.
5. International conference on Entomology. Punjabi University Patiala, India (February 20-22, 2009).
6. National seminar on status of biodiversity and conservation. Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar & Indian Academy of Environmental Sciences, Haridwar, India (February 27-28, 2009).
7. National seminar on managing climate Change: Molecules to communities. Department of Zoology, Kurukshetra University, Kurukshetra, India (March 21-22, 2009).
8. National Conference on Himalayan Environment: Issues & Challenges. Institute of Integrated Himalayan Studies, Himachal Pradesh University, Shimla, India (March 22-24, 2010).
9. National Conference on Environment Degradation and its impact on Mankind. Punjabi University Patiala, India (19-20 Nov., 2010).

10. IUFRO Symposium on Short Rotation Forestry: Synergies for wood production and environmental amelioration, Punjab Agricultural University, Ludhiana (10-12 Feb., 2011).
11. International conference on Entomology. Punjabi University Patiala, India (February 17-19, 2012).
12. National Seminar on Biodiversity, Green Economy and Sustainable Mountain Development. Institute of Integrated Himalayan Studies, Himachal Pradesh University, Shimla, India (March 22, 2012).
13. 1st Annual National Conference on Science: Emerging Scenario & Future Challenges. Him Science Congress Association, at Shoolini University, Solan Himachal Pradesh (March 8-10, 2013)
14. Research Interface Workshop on Insect Diversity with emphasis on microlepidoptera, March 24-25, 2007. Department of Zoology, Punjabi University, Patiala, India.
15. Awareness workshop on IPR's & Biotechnology. State Council for Science Technology & Environment, Himachal Pradesh & Technology Information, Forecasting and assessment Council (TIFAC), DST, Govt. of India. December 13th, 2010.
16. Workshop –cum- Seminar on Microscopic techniques in nano science, March 30th to April 5th 2011. Department of Physics, H.P.University, Shimla & Electron Microscope Society of India.
17. National workshop on Environmental Geo-Hazards in Himachal Pradesh: Sharing Experiences and Technological Solutions. Institute of Integrated Himalayan Studies, Himachal Pradesh University, Shimla, India (February 2, 2013).
18. Workshop on Biodiversity of H.P.- The Way Forward. State Council for Science Technology & Environment, Himachal Pradesh (March 22-23, 2013).

G. Projected Completed/ Ongoing/Submitted

Sr. No	Title of Project	Duration		Total Cost (in Rs.)	Funding Agency
		From	To		
1.	H.P.Forest Sector Reforms: Small Good Idea II nd Round in 2007	2007	2008	10,0000/-	H.P.Forest Department & Funded by DFID
2.	NEAC-2006-07: Biodiversity Conservation	2006	2007	8,000/-	Department of Science , Technology & Environment, H.P.
3.	NEAC-2007-08: Biodiversity Conservation	2007	2008	8,000/-	-do-
4.	NEAC-2008-09: Climate Change	2008	2009	10,000/-	-do-
5.	NEAC-2009-10: Climate Change	2009	2010	12,000/-	-do-
6.	Biosystematic and Ecological studies on Butterflies of Himachal Pradesh and Molecular Characterization of some economically important species through RAPD-PCR technique	2010	2013	21,84,000/-	DST, Govt. of India

List of projects submitted

Sr. No	Title of Project	Name of Organisation	Status
1.	Socio-Economic Value of Insect Pollinators and their Identification through DNA Barcoding with reference to Buckwheat in Tribal Area of Kinnaur	DST, Govt. of India	in process
2.	Study on monitoring the distribution pattern, food plants resources, taxonomy & development of DNA barcode of Pollinators of Western Himalaya, Himachal Pradesh	CSIR-UGC, Govt. of India	in process
3.	EOI to work under Scheme Clean India Campaign	ASI, Shimla, Govt. of India	in process

H. Field Experience

- i) More than 60 faunistic surveys to different areas of western Himalayas along with 6 surveys to Trans Himalayan region of Spiti division of Himachal Pradesh.
- ii) Some tracking and camping experience in Greater and Trans Himalayas.

G. Computer & Wildlife Photography

- i) Good working knowledge of computers like, Word, Excel, Power Point and Page Maker.
- ii) Around 7 years experience of field collections and wild life photography.

Prof (Dr.) V.K.Mattu
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Place:

Date:

(Mahender Singh)