



Dr. Shweta Thakur
Assistant Professor and Head
Department of Zoology
St. Bede's College, Shimla



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Assistant Professor and Head of the Department

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EDUCATIONAL QUALIFICATIONS: M.Sc., M.Phil., PhD.

Sr. No.	Degree	Subject	College/University	Year of Passing
1	B.Sc.	Medical	St. Bede's College, Shimla	2005
2	M.Sc.	Zoology	Himachal Pradesh University	2008
3	M.Phil	Zoology	Himachal Pradesh University	2009
4	Ph.D	Zoology	Himachal Pradesh University	2017
6	Specialisation	Entomology		

TOTAL TEACHING EXPERIENCE: 9 Years

Teaching Experience at St. Bede's College: 9 Years

SUBJECTS TAUGHT

Animal Diversity, Biochemistry, Apiculture, Sericulture, Reproductive Biology, Applied Zoology, Evolutionary Biology, Genetics, Medical Diagnostics, Aquarium Fish Keeping, Research Methodology.

OTHER RESPONSIBILITIES

Incharge: NCC (ANO)

Incharge: NAAC (Criterion 3)



2

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Internal member for IQAC

Academic monitor: (Biotechnology and Microbiology)

Member: Research Promotion Cell/UGC, Time Table Committee, Installation and laying down office, Star College.

Invigilator: Final examination

Examination Evaluation: Himachal Pradesh University

ACHIEVEMENTS

❖ PUBLICATIONS

➤ Authored Books

- **Thakur, S.** and Sharma, M. 2019. *Text book: Genetics and Evolutionary Biology*. 1st edition R.D. Publications, Jalandhar. ISBN: 9789384594832
- Wadhwan, D. and **Thakur, S.** 2019. *Text book: Reproductive Biology*. 2nd edition Truemann Publications, Jalandhar. ISBN: 8187223839
- Sharma, M. and **Thakur, S.** 2019. *Text book: Medical Diagnostics*. 1st edition Truemann Publications. ISBN: 8187723073
- **Thakur, S.**, Mattu, VK. and Kumar, P. 2019. Biosystematic studies on some noctuid moths through RAPD-PCR technique. Lambert Academic Publishing, Mauritius.
- Sharma, M. and **Thakur, S.** 2018. *Text book: Animal Diversity*. 1st edition R.D. Publications, Jalandhar. ISBN: 9789384594749
- Sharma, M. and **Thakur, S.** 2018. *Text book: Comparative Anatomy and Developmental Biology of Vertebrates*. 1st edition R.D. Publications, Jalandhar. ISBN: 9789384594756.

➤ Paper Publications:-

1. Brari J, **Thakur, S.** 2021. Bioactivity of ionic liquid against two major Coleopteran stored grain insect pests. *International Journal of Pharmaceutical & Biological Archives*;12(4): 163-169. **UGC CARE LIST**



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2. Upmanyu, M and **Thakur, S. 2018.** Evaluation of awareness campaign on the conservation of honeybees through statistical analysis in district Shimla (Himachal Pradesh, India). *International Journal of Entomology Research* 3(5):17-19 (**RJIF 5.24**)
3. **Thakur, S.,** Mattu, VK. and Kumar, P. 2016. Biodiversity indices of noctuid moths in various Conifer Forests of Himachal Pradesh. **Journal of Biodiversity and Environmental Sciences** 8 (2): 98-103. (**Impact factor: 1.35**)
4. Kumar, P. Kumar, M., **Thakur, S.** Rajneesh, Mattu, V.K. and Seth, A 2015. Phylogenetic Analysis of Noctuid moths (Lepidoptera: Noctuoidea) by RAPD-PCR Technique. **Asian J. Adv. Basic Sci.** 4(1): 61-67. (**Impact factor: 0.3**)
5. Kumar, P. **Thakur, S,** Mattu, VK. and Dutta, R. 2014. Standardization and Optimization of RAPD assay for genetic analysis of Noctuid species. *Journal of Entomology and Zoology Studies* 2 (3): 111-117 (**Impact factor: 0.55**).
6. Kumar, P. and **Thakur, S.** 2014. Study on Faunal diversity of Butterflies in Triveni Mahadev (Himachal Pradesh). *Journal of Entomology and Zoology Studies* 2 (5): 58-62. (**Impact factor: 0.55**)
7. Kumar, P. **Thakur, S.,** and Mattu, VK. 2014. Biosystematic studies on Moths of subfamily Catocalinae (Lepidoptera: Noctuidae). *Journal of Insect Science* 27(1): 109-127. (**Impact factor: 0.87**)
8. **Thakur, S.,** Kumar, P. and Mattu, VK. 2013. Taxonomic Update and Relative Abundance Studies on some Cutworms (Family: Noctuidae) in Conifer Forests of Himachal Pradesh with brief account of its Wing Venation and Genitalia. *Biological Forum- An International Journal*, 5(2): 71-80 (**Impact factor: 0.3**).
9. Kumar, P. and **Thakur, S.** 2013. Species Diversity and Abundance of Butterfly Fauna in Surgani-Sudla, Himachal Pradesh. *Environ. We Int. J. Sci. Tech.* 8: 71-80 (**Impact factor: 3.14**).
10. Kumar, P. Mattu, VK. and **Thakur, S.** 2013. Distribution of Noctuid species (Lepidoptera, Noctuidae) in Conifer Forests of Himachal Pradesh, India. *Environ. We Int. J. Sci. Tech.* 8: 97-103 (**Impact factor: 3.14**).



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11. Kumar, P. and **Thakur, S.** 2009. Taxonomic studies of genus *Opogona* Zeller (Lepidoptera: Tineidae) with brief account of wing venation and genitalia. *Journal of Insect Science*, 22 (4): 424-430 (**Impact factor: 0.87**)

❖ **Paper Presentations:-**

1. **Thakur, S.** 2020. COVID-19 training certificate for NCC cadets.
2. **Thakur, S.** Mattu, VK. and Kumar, P. 2016. Quantitative estimates of Noctuid Moth Fauna in Conifer forest of Himachal Pradesh. *National Conference on Current issues and challenges in Contemporary world, organised by RGGC Shimla, PGC Seema, GDC Nerwa and Science and Management Society Himachal Pradesh*
3. **Thakur, S.** Mattu, VK. and Kumar, P.; 2014. Diversity and species composition of subfamily Noctuidae in Himachal Pradesh. *International Conference on Entomology*, Punjabi University, Patiala (Punjab).
4. **Thakur, S.** Mattu, VK. and Kumar, P. 2013. Distribution of species (Lepidoptera: Noctuidae) in Conifer forest of Himachal Pradesh. *1st Annual National Conference*, Shoolini University, Solan.
5. **Thakur, S.** Mattu, VK. and Kumar, P.; 2012. Taxonomic studies on some Noctuid moths from conifer forests of Himachal Pradesh. *International Conference on Entomology*, Punjabi University, Patiala (Punjab).
6. Kumar, P.; **Thakur, S.** 2009. Taxonomic Update and Biology of Lepidopteran Borers of Cones and Seeds of Chilgoza pine. *International Conference on Entomology*, Punjabi University, Patiala (Punjab).

❖ **Participation in Conferences/Seminars (Attended):-**

1. Multi-disciplinary International Conference on Indian culture Science and Traditions organized by HFRI Shimla. (13-14 November 2021)
2. Webinar on Azadi ka Amrut Mahotsav "Science and Technology: India @75" organized by St. Bede's College, Shimla in collaboration with Indian Science Congress Association (ISCA)- Shimla Chapter (September 23, 2021).
3. Faculty Development Program on Online Teaching Tools at St. Bede's College (August 4-5, 2020)



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4. International Seminar on “Partition Revisited” by the Department of Political Science and History at St. Bede’s College Shimla (2018) sponsored by ICSSR. Member of Organizing Committee.
5. Faculty Development Program on Perspectives of Modern teaching techniques at St. Bede’s College (September, 2017)
6. International Seminar on “Biodiversity: Current Scenario and Future Strategies” by the Department of Zoology and Botany at St. Bede’s College Shimla (2016). Acted as an Organizing Secretary.
7. National Seminar on “Himalayan Biodiversity and Bioresource Utilisation” organized by Department of Biosciences, Himachal Pradesh University, Shimla (March 23, 2016).
8. National Seminar on Web Based Technologies: Present and the Future organized by Department of Computer Science St. Bede’s College, Shimla (May, 2015)
9. Faculty Development Program on “Research Methodology” at St. Bede’s College, Shimla (April 23, 2015).
10. NAAC sponsored National Seminar on Institutional Quality Improvement: Role of ICT organized by St. Bede’s College (November 2014).
11. International Conference on Women Empowerment: Transforming Lives, Milestones and Challenges organized by Department of Home Science, St. Bede’s College (August, 2013)
12. National Seminar on “ Biodiversity, Green Economy and Sustainable Mountain Development” organized by Institute of Integrated Himalayan Studies(UGC- Centre Excellence) at Himachal Pradesh University, Shimla (September 22, 2012).

➤ **Workshops attended:-**

- Thakur, S. 2022. Online workshop on NAAC, from March 28th – April 2nd, 2022, organised by *Jharkhand Government MSME Tool Room, Ranchi*
- **Thakur, S.** 2013. National Workshop on Environmental Geo-Hazards in Himachal Pradesh: Sharing Experiences and Technological Solutions.



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- **Thakur, S.** 2011. Conservation and Management of Pollinators for Sustainable Agriculture , through an Ecosystem approach. Global Pollination Project GBPIHED, Kullu (HP).

Faculty Development Programme

- Faculty Development Program on “Design and Development of Moocs” at St. Bede’s College (1-5 January 2022).
- Faculty Development Program “Revamping Emotional and Professional Paradigms for an Inclusive Approach to Holistic Education” organized by Department of Commerce and Management under the aegis of IQAC, St. Bede’s College Shimla. (March 3-7, 2022).

Faculty Induction Programme

- Induction Programme for faculties of university/colleges/ Institutes of higher Education by Teaching Learning Centre, Ramanujan College, University of Delhi (20 December 2021-19 January 2022)

➤ **E-tutorials**

Six e-tutorials made on Youtube Channel for enhancing the knowledge of students.

- <https://youtu.be/wIJfzV-0ya8>: Life history of *Plasmodium vivax*
- <https://youtu.be/AMyAEW2xPA>: Pre-erythrocytic schizogony
- <https://youtu.be/Oich1M0hdEU>: Posterythrocytic schizogony
- <https://youtu.be/qxiJ80t12QU>: Erythrocytic schizogony
- <https://youtu.be/ZSuxQbDFGzs>: Gamogony
- <https://youtu.be/bAmGs5TtRXg>: Sporogony

➤ **Appreciation Letter**

Letter of Appreciation from 1 HP Naval Unit Bilaspur for the excellent services for NCC at St. Bede’s College.