



Dr. Kusum
Assistant Professor
Department of Botany
St. Bede's College, Shimla



**Dr. Kusum Assistant
Professor**

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EDUCATIONAL QUALIFICATIONS: M.Sc., Ph.D., HP-SET, TET

Sr. No.	Degree	Subject	College/University	Year of Passing
1	B.Sc.	Medical	Govt. Degree College, Solan	2005
2	B. Ed	Life Sciences	SVSD PG College, Bhatoli	2006
3	M. Sc	Botany	HPU	2008
4	Ph. D	Botany	Shoolini University, Solan	2014
5	HPSET	Life Science		2015
6	HPTET	Medical		2012

TOTAL TEACHING EXPERIENCE: 15 years

Teaching Experience at St. Bede's College: 5 years

RESEARCH EXPERIENCE: Major/Minor Project: 4 Years

SUBJECTS TAUGHT

UG: Plant Ecology and Taxonomy, Gardening and Floriculture, Biodiversity, Plant Anatomy and Embryology, Plant Physiology.

PG: Biology and diversity of Microbes and Plant Pathogens, Plant Resource Utilization and Breeding, Biology and Diversity of Angiosperms - I, Plant Physiology, Biology and Diversity of Angiosperms - II, Ecology (Common Course), Biochemistry.



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OTHER RESPONSIBILITIES

- i. Examiner and Invigilator in Himachal Pradesh University annual examination.
- ii. Life time member of Him Science Congress Association (HSCA)
- iii. Associate Editor in Chief, International Book Chapter "Interdisciplinary Studies of Literature", Shimla, (H.P)-INDIA. 1-8. ISBN: 978-93-5917-392-4.
- iv. Editor in Chief, International Book Chapter "Interdisciplinary Studies in Humanities and Sciences", Shimla, (H.P)-INDIA. ISBN: 978-93-5996-533-8
- v. **Member:** Prize Distribution Committee, NAAC steering committee, Health Club, Herbal garden.

ACHIEVEMENTS

Research Award

Noble Indian Best Teacher Award 2024 in Plant Ecology & Biodiversity on 'India's 75th Republic Day & International Day of Education' Celebrations at IMRF Institute of Higher Education & Research Campus, Vijayawada, India on January, 26th 2024.

PUBLICATIONS

Books Co-authored

- i. Kanchan, M., J. Verma, S. K. Bhatti, K. Thakur, **Kusum**, A. Sagar and J. K. Sembi. 2022. Orchids and mycorrhizal endophytes: A hand in glove relationship. In: Endophyte Biology: Recent Findings from Kashmir Himalayas. Z. A. Wani (ed.). ISBN-9781774638323. CRC Press, Taylor & Francis Group.
- ii. Dr. Kusum, 2023. Mineral Nutrition. In: International Book Chapter: Interdisciplinary Studies of Literature. Kusumita Publishers, Navbahar, Shimla. **I:** 1-8. ISBN-978-93-5917-392-4.

Paper Publications

- i. Kataria V. S., R. C. Gupta, **K. Sharma**, and K. Kaur. 2018. Male meiotic studies in 29 species of Lamiaceae from Sirmour district (H.P.). *Cytologia*. 83 (3): 235- 243. ISSN 0011-4545.
- ii. Verma, J., K. Thakur, **Kusum**, J. K. Sembi, and P. Pathak. 2018. Leaf micromorphology of some *Habenaria* Willd. Sensus Lato (Orchidaceae) species from Western Himalaya. *J. Orchid Soc. India*. 32: 103-112. ISSN 0971-5371.
- iii. Bharti, H. **Kusum**, and J. Verma. (2021). Wild edible fruits and vegetables of Himachal Pradesh. *The Bede Athenaeum*. 12(1):53-66.
- iv. Verma, J., K. Thakur, J. K. Sembi, Kusum and P. Pathak. 2021. On occurrence of a leafless *Cymbidium* in Western Himalaya. *J. Orchid Society of India*, 35: 91-95. ISSN 0971-5371.
- v. **Kusum**, J. Verma and J. K. Sembi. 2022. Isoenzyme studies in a polymorphic orchid species, *Satyrium nepalense* D. Don. *J. Medicinal Plants Studies*, **10(1)**: 215-221. ISSN 2320-3862.
- vi. Verma, J., K. Thakur, J., K. Sembi, Kusum and P. Pathak. 2023. Lesser known orchids of Himachal Pradesh (Northwest Himalayas): iii - Genus *Hemipilia* Lindl. *J. Orchid Society of India*, 37: 65-73. ISSN 0971-5371.



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Participation in Conferences/Seminars/FDP

- i. Organized and Participated in one day National Seminar on “Celebrating Indian Science from Past to Future” in collaboration with Indian Science Congress Association (ISCA), Shimla on 13 September 2018.
- ii. Participated in a two-day Faculty Development Program on Online Teaching Tools organized by Department of Computer Science, St. Bede's College, Shimla from 4-5 August, 2020.
- iii. Attended a National webinar Series, Lecture on ‘Diversity of Bryophytes in India with special reference to Western Himalaya’ organized by Ministry of Environment, Forest and Climate Change BSI. Govt. of India on 15 January, 2021.
- iv. Attended a National webinar Series, Lecture on ‘Evolutionary play of invasive species in a changing Himalayan theater’ organized by Ministry of Environment, Forest and Climate Change BSI. Govt. of India on 22 January, 2021.
- v. Attended a National webinar Series, Lecture on ‘Plant Systematics: Insight from morphology and molecules’ organized by Ministry of Environment, Forest and Climate Change BSI. Govt. of India on 17 February, 2021.
- vi. Attended a virtual workshop on ‘Forestry research, sustainable forest Management and livelihood’ organized by HFRI, Shimla on 17 March, 2021.
- vii. Attended FDP on “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, from March 3rd - 7th, 2022.
- viii. Attended St. Bede's College, Shimla Faculty Development Program (online) on “Design and Development of MOOCs” organized by St. Bede's College, Shimla from January 1-5, 2022.
- ix. Attended Five Days Faculty Development Programme on **Academic Writing and Research Methodology: Multidisciplinary** from December 26-30, 2023 organized by St. Bede's College, Shimla.

Resource Person

- i. As resource person in the Special Camp (from Dec. 23-29, 2017) Organized by NSS unit of Govt. College Rajgarh, Distt. Sirmaur, Himachal Pradesh. Shared views on Topic ‘Environmental Pollution: causes and consequences on Dec. 25, 2017.
- ii. As subject expert in program ‘*Manzil*’ on Topic ‘Study In Botany and Scope For Youth’ in DD Himachal, Shimla on 13th November, 2023.