

BIO-DATA

Name

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Date of Birth

14th October 1970.

EDUCATIONAL QUALIFICATIONS

A good educational background throughout (getting scholarships right from the school days), culminating at School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, pursuing higher echelons of study in close association and guidance of leading figures of their fields, Prof. C.K. Varshney (Environmental Pollution) and Prof. P.S. Ramakrishnan (Ecology and Biodiversity). Ph. D in earthworm population dynamics from Kumaun University, Nainital under the able guidance of Prof. B R Kaushal.

Courses Undertaken during M.Phil.

Air pollution and plants, Physical environment, Environmental pollution, Ecology, and Environmental toxicology.

RESEARCH EXPERIENCE

During M. Sc. did specialization in environmental sciences and submitted a dissertation on wildlife titled '*Raja Ji National Park- a case study*'. M. Phil. The dissertation dealt with air pollutants and plants and the topic was '*Effect of Air Pollution on Photosynthesis*'. Ph.D. thesis- '*Earthworm Biodiversity and Their Contribution to Nutrient Cycling within Two Sacred Forests in Kumaun Himalaya*'. The research principally covered the study of earthworm population and nutrient dynamics across the altitudinal gradient in two of the sacred forests- one strictly

protected, while the other partially degraded. Further, during the past 18 years of academic life, was constantly engaged in research work, which primarily focused on the relationship that exists between culture and environment, and thus further tried to unearth the inherent conservation strategies in the cultural milieu of the traditional societies.

Additionally, in the capacity of carrying out more than half a dozen projects (both minor as well as major), was closely associated with the stakeholders residing primarily within the Askote Conservation Landscape, in bringing forth the salient features of not just the lifestyle of the resident population, but most importantly, the rich biodiversity (floral, agro- and faunal), and strategies to conserve the same. The entire work has been encapsulated in the form of a book- 'Askote Conservation Landscape- Culture, Biodiversity, and the economy.

The outcome of the research work on Yartsa Gunbu (*Ophiocordyceps sinensis* and which is still being pursued), in the form of recommendations, was more or less implemented as policy guidelines for the conservation of the species, by the state Forest department, and implemented through the respective Van Panchayats (Forest councils). Similarly, the work carried out on Sacred Natural sites, through the state of Uttarakhand, culminated with the selection of 12 sacred forests, presently being developed into Biodiversity Heritage sites by the State Biodiversity Board, as per the norms envisaged in the Biodiversity Act (2002), with a book- 'The Sacred Uttarakhand', which has been appreciated by academics, including faculty from Oxford University.

Teaching Experience

At present Professor in Dept. of Zoology, Motiram Baburam Government Postgraduate College, Haldwani (Nainital), teaching both the graduates as well as post-graduate classes for the last 24 years.

SPECIALIZATION

1. Specialization in the field of conservation biology, vis-à-vis the institution of sacred groves, and interest in traditional knowledge-based systems and culture. The latter remains the current field of interest for conservation biologists, for the simple new-found belief that biodiversity

conservation can be sustainably achieved only, and only if the cultural aspects of the stakeholders are taken into cognizance and their traditional knowledge-based systems are woven around or with the conservation goals.

2. M. Phil in Environmental Sciences from the premier institute of the country, i.e., School of Environmental Sciences, Jawaharlal Nehru University, New Delhi.

3. Habitat ecology and socio-economic dynamics (inclusive of trade or trafficking) of Yartsa Gunbu or caterpillar mushroom [*Ophiocordyceps sinensis* (Berk.) G.H. Sung et al.]

4. Ethnobotany- an extensive survey of the Askote Conservation Landscape in particular, and district Pithoragarh, Uttarakhand, in general; as part of the consultative services provided to ICIMOD, Kathmandu, G B Pant National Institute of Himalayan Environment, Kosi-Katarmal, and DST-Traditional knowledge system (TKS/DST-JNU/CS-1 & 2) project, March & September 2016.

Academic Achievements

1. Junior research fellowship from July 1994 till July 1996.
2. Senior research fellowship from August 1996 till the joining of the present job.
3. CSIR-UGC NET Exam, 1995.
4. M.Phil. 1996, JNU, New Delhi
5. Ph. D 2008, Kumaun University, Nainital
6. Authorship (Unit writer) for writing a unit 2 (Unsustainable uses of natural resources) for IGNOU (Indira Gandhi National Open University) under Leadership Programme on Himalayan Ecosystem.
7. Honorary Wildlife Wardenship, Pithoragarh Forest Division, Pithoragarh
8. Expert consultant for the Kailash Sacred Landscape Conservation Initiative: Indian Part by the implementing agency- G B Pant Institute of Himalayan Environment & Development, Kosi-Katarmal, Almora.
9. Expert consultant for the project 'Socio-economic study of keerajadi/Yartsa Gunbu (*Cordyceps sinensis*) by Department of Forest (Research), Govt. of Uttarakhand.

10. Member, monitoring committee constituted for River Bhagirathi watershed Eco-sensitive Zone, Uttarkashi by Ministry of Environment & Forests, Government of India (Year 2013-16).
11. Best paper presentation 'Conserving the caterpillar fungus [*Ophiocordyceps sinensis* (Berk.) G H Sung et al.]: A case study of habitat ecology and sustainability in district Pithoragarh, western Himalaya, India' in National Seminar on Environmental Economics and Social Sustainability (EESS-2014), held on 4-5th December 2014, organized by Department of Botany, Government Postgraduate College, Dwarahat, Almora
12. Member of National executive committee of THE ASIAN ASSOCIATION FOR BIOLOGY EDUCATION, an international body for 3 years (Oct 2013-16).
13. One of the 8 members from India who was short-listed for working in collaboration with the scientists and academicians of the University of Berne (Switzerland), and the Royal Swedish Academy of Sciences (Sweden) as part of the Indo-Swiss team working on Climate Change mitigation in the Himalayan region. Two of his scholars were supposed to work in close association for their PhDs during the interim for which the international project was to be run, for 3 years. Unfortunately, the said project could not materialize.
14. The candidate's work on culture, more specifically the work surrounding the institution of sacred groves, and Yartsa Gunbu conservation has been appreciated in different academic and research forums and has been cited as one of the most successful works conducted by different institutions, including the G B Pant National Institute of Himalayan Environment, Kosi-Katarmal, Almora, Uttarakhand Council of Science & Technology, Govt. of Uttarakhand, and Ministry of Environment, Forests and Climate Change, Government of India, New Delhi, and lastly, International Centre for Integrated Mountain Development (ICIMOD), Kathmandu, Nepal.
15. Awarded '*Teacher of the Year 2021*', instituted by Divya Himgiri, VMSB Uttarakhand Technical University, Uttarakhand State Council for Science & Technology and Society for Research & Development in Science, Technology and Agriculture (SRADSTA), Dehradun.
16. Awarded '*Research Excellence Award 2021*' by Institute of Scholars for the research publication- Traditional culture and Biodiversity Conservation: Examples from Uttarakhand,

Central Himalaya *Mountain Research & Development*, 30 (3): 259-265. Published by the International Mountain Society (IMS), c/o Centre for Development and Environment, Institute of Geography, University of Berne, Steiger-hubelstrasse 3, 3008 Berne, Switzerland

RESEARCH PROJECTS

A. Major research projects (Financial allocation more than 5 lacs)

1. *Habitat ecology and distribution pattern of Yartsa Gumba-Cordyceps sinensis in the Central Himalayas*. Financed by National Medicinal Plants Board, Ministry of Health and Family Welfare, New Delhi. Amount 8,00,000. Status- Completed. Broad Subject Area: Conservation Biology (Habitat ecology of the species, its exploitation pattern and effect on the other associated floral as well as faunal species during the exploitative phase, and policy framework towards conservation of the same).

2. *Conserving the sacred- Ethno biological study into the relationships between culture and biodiversity*. Financed by Uttarakhand State Council for Science & Technology (Govt. of Uttarakhand), Dehradun 248001. Amount 5,01,030. Status- Completed. Broad Subject Area: Conservation Biology (Traditional knowledge-based systems).

3. *Ethno-biological study and conservation of sacred forests towards evolving sound policy initiative for their eco-restoration*. Financed by Govind Ballabh Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora. Amount 7,46,000. Status- Completed. Broad Subject Area: Conservation Biology (culture and biodiversity conservation).

4. *Habitat Ecology and Species Diversity of Cordyceps in district Pithoragarh, Central Himalayas*. Financed by Ministry of Environment & Forests, Govt. of India, New Delhi. Amount 23,81,750. Broad Subject Area: Conservation Biology

5. *Habitat study and exploration of species diversity of Cordyceps for their pharmacological effects on selective physiological parameters and artificial culture of selected species*,

sanctioned by GB Pant Institute of Himalayan Environment & Development, Kosi-Katarmal under NMHS, MoEF &CC, Govt. of India, Amount 19.25 lacs.

6. *Sacred geography inhabited by the Bhotia tribes across the border districts of Pithoragarh, Chamoli Garhwal, and Uttarkashi, Uttarakhand: An anthropological study vis-à-vis the sacred natural sites and the associated rituals, and folklore.* Sanctioned by Indian Council of Social Science Research (Ministry of Education), Govt. of India, New Delhi vide Ref. F.No. 02/136/2022-23/GN/TS/RP, dated 1st Sept. 2023, for a period of 2 years (ONGOING). Amount 11 lacs

B. Minor research projects (Financial allocation less than 5 lacs)

1. *Sacred Groves in U.P. hills: A study of socio-cultural aspects.* Financed by ICIMOD, Kathmandu, Nepal. Amount US\$ 500. Status- Completed. Broad Subject Area: Conservation Biology (Traditional knowledge-based systems-Culture and conservation).

2. *Ethno zoological and conservation strategies being practiced in the Kumaun Himalayas.* Financed by University Grants Commission, New Delhi. Amount 45,000. Status- Completed. Broad Subject Area: Traditional knowledge-based systems (use of animal and animal products in the Traditional means of therapy)

3. *Phyto-sociological and Distribution Pattern of Yartsa Gumba- Cordyceps sinensis in the Central Himalayas.* Financed by University Grants Commission, New Delhi. Amount 37,500. Status- Completed. Broad Subject Area: Conservation Biology (Phytosociology-availability of the specimen per unit area and the mechanism of the trafficking of the species).

4. *Traditional Knowledge-Based Systems in Practice Surrounding Sacred Groves in Pithoragarh District in Kumaun Himalayas.* Financed by Govind Ballabh Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora. Amount 2,89,900. Status- Completed. Broad Subject Area: Conservation Biology (Traditional knowledge-based systems-culture and conservation).

5. *Survey of the medicinal and aromatic plants (MAPs) of the Johar valley, District Pithoragarh and scope for their sustainable harvesting and cultivation.* Financed by University Grants Commission, New Delhi. Amount 1,15,000. Status- Completed. Broad Subject Area: Conservation Biology.

6. *Survey of Askote Landscape for the hot spots of floral biodiversity.* Financed by Department of Forests and Wildlife, Government of Uttarakhand, Dehradun under World Bank's Biodiversity Conservation and Rural Livelihood Programme (BCRLIP). Amount 2,95,000. Status- Completed. Broad Subject Area: Conservation Biology (assessment of alpine floral diversity, agricultural diversity as well as wildlife/faunal diversity within the landscape).

7. *Preliminary assessment of some of the selected sacred natural sites (sacred groves) located within and outside the Reserve forests across the state of Uttarakhand for the establishment of biodiversity heritage sites.* Financed by State Biodiversity Board, Uttarakhand, 108, Phase II, Vasant Vihar, Dehradun. Amount 4,32,000. Status- Completed. Broad Subject Area: Conservation Biology.

8. *Inventorization of traditional knowledge-based system vis-à-vis ethnobotany in Didihat Tehsil, District Pithoragarh, and Inventory of the edible mushrooms and the myths associated (if any) with mushroom per se, in Darma valley, District Pithoragarh,* financed under DST-TEK project and coordinated by School of Environmental Sciences, Jawaharlal Nehru University, New Delhi (2016-17, 2017-18). Amount 2.00 lacs. Status completed. Broad subject area: Ethnobotany

RESEARCH GUIDANCE (RESEARCH SCHOLARS ENROLLED FOR Ph. D AND THEIR FIELD OF WORK)

i. **Mr. Pardeep Kumar Sharma-** Livestock grazing and yield of keera ghas [*Ophiocordyceps sinensis*] vis-à-vis its host population dynamics in few selected habitats of Uttarakhand (AWARDED)

ii. **Mr. Narendra Singh Lotani:** Biodiversity and ecology of moths across a different altitudinal gradient in Kumaun Himalaya

iii. **Ms. Priya Bisht:** Macrofungal and associated macro arthropods diversity and soil nutrient dynamics in a temperate forest, Darma Valley, Uttarakhand.

iv. **Ms. Divya Rawat:** A study of habitat ecology of butterfly diversity across Gaula River, Haldwani, Nainital district, Kumaun Himalaya

v. **Ms. Ranjana Goswami:** A study of habitat ecology and diversity of Odonates across Gaula River, Haldwani, Nainital district, Kumaun Himalaya

RESEARCH PUBLICATIONS

A. International

1. **Negi, C. S.**, Maikhuri, R.K., Rao, K.S. and Nautiyal, S. 2001. Nanda Raj Jat- Mahakumbha of Uttaranchal: A Socio-ecological and religious perspectives. *Man in India*, 82 (3&4): 341-357. Published by 18, Church Road, Ranchi, India. Impact factor- 0.13 ISSN 00251569. **Scopus-indexed journal**

2. **Negi, C. S.**, Nautiyal, S., Dasila, L., Rao, K.S. and Maikhuri, R.K. 2002. Ethnomedicinal Plant Uses in a Small Tribal Community in a Part of Central Himalaya. *Journal of Human Ecology* 13: 291-299. Published by Kamla-Raj Enterprises, 2273, Gali Bari Paharwali, Chawri Bazar, Delhi. ISSN 0970-9274. Impact factor- 0.21. **Scopus-indexed journal**

3. **Negi, C. S.** and Nautiyal, S. 2003. Indigenous Peoples, Biological Diversity and Protected Area Management- Policy Framework towards Resolving Conflicts. *The Inter. Jr. of Sustainable Development and World Ecology* 10 (2): 169-179. Published by Sapiens Publishing, Duncow, Kirkmahoe, Dumfriesshire DG1 1TA, UK. ISSN 1350-4509. Impact factor 2.811. **Scopus-indexed journal**

4. Maikhuri, R.K., Rao, K.S., Nautiyal, S., **Negi, C. S.**, Purohit, A. and Saxena, K.G. 2003. Ecotourism- An Option for Protected Area Management: A Case Study of Nanda Devi Biosphere Reserve, Uttaranchal. *Journal of Tourism*, 5 (2): 47-60. Published by The Centre for Mountain Tourism and Hospitality Studies of HNB Garhwal University, India and Department of Tourism

Management, The University of Southern Mississippi, USA. ISSN 09727310. Indian citation
Indexed journal

5. **Negi, C. S.** 2003. Role of Traditional Knowledge and Beliefs in Conservation- Case Studies from Central Himalaya, India. *Man in India*, 83 (3&4): 371-391. Published by Srimati Mira Roy, 18, Church Road, Ranchi, India. Impact factor- 0.21. ISSN 00251569. Scopus-indexed journal

6. **Negi, C. S.** 2005. Phytosociological Studies of a Traditional Reserve Forest-Thal Ke Dhar, Pithoragarh, Central Himalayas (India). *The Indian Forester* (Apr. issue): 519-534. Published by Forest Research Institute, Dehradun. ISSN 0019-4816. Impact factor 0.437. Indian citation
Indexed journal.

7. **Negi, C. S.** 2005. Religion and Biodiversity Conservation: Not a mere analogy. *The Inter. Jr. of Biodiversity Science and Management* 1(2): 85-96. Published by Sapiens Publishing, Duncow, Kirkmahoe, Dumfriesshire DG1 1TA, UK. ISSN 1745-1590. Impact factor 3.7. H. Indexed in
Scopus, Web of Science, and PubMed. The journal is now re-christened as Ecosystems and People.

8. **Negi, C. S.** 2005. Socio-cultural dimensions and ethnobotanical value of a sacred forest- Thal ke Dhar, Central Himalaya, India. *Indian Jr. of Traditional Knowledge*, 4 (2): 190-198. Published by National Institute of Science Communication and Information Resources, CSIR, DR K S Krishnan Marg, New Delhi. ISSN 0972-5938. Impact factor 1.061. Scopus-indexed journal

9. **Negi, C. S.,** Koranga, P.S. and Ghinga, H.S. 2006. Yar Tsa Gumba (*Cordyceps sinensis*) – A Call for Its Sustainable Exploitation. *The Inter. Jr. of Sustainable Development and World Ecol.* 13 (6): 165-172. Published by Sapiens Publishing, Duncow, Kirkmahoe, Dumfriesshire DG1 1TA, UK. ISSN 1350- 4509. Impact factor 7.7. Scopus-indexed journal

10. **Negi, C. S.** 2006. Morels (*Morchella* spp.) in Kumaun Himalaya. *Natural Product Radiance (Now rechristened Indian Journal of Natural Products and Resources)* 5 (4): 306-310. Published

by National Institute of Science Communication and Information Resources, CSIR, DR K S Krishnan Marg, New Delhi. Impact factor- 0.6. [ISSN 0976-0504](#). [Scopus-indexed journal](#)

11. **Negi, C. S.** and Palyal, V. 2007. Traditional Uses of Animal and Animal Products in Medicine and Rituals by the Shoka tribes of District Pithoragarh, Uttaranchal, India, *Studies on Ethno-Medicine* 1 (1): 47-54. Published by Kamla-Raj Enterprises, 2273, Gali Bari Paharwali, Chawri Bazar, Delhi. Impact factor- 0.2. [ISSN 0973- 5070](#). [Scopus-indexed journal](#)

12. **Negi, C. S.** 2007. Changing face of Polyculture in the Darma and Johaar valleys, Pithoragarh, Kumaun Himalayas. *The Inter. Jr. of Sustainable Development & World Ecology* 14: 428-436. Published by Sapiens Publishing, Duncow, Kirkmahoe, Dumfriesshire DG1 1TA, UK. [ISSN 1350-4509](#). Impact factor [7.7](#). [Scopus-indexed journal](#)

13. **Negi, C. S.** 2007. Declining Transhumance and subtle changes in livelihood patterns and biodiversity in the Kumaon Himalaya. *Mountain Research & Development*, 27 (2): 114-118. Published by the International Mountain Society (IMS), c/o Centre for Development and Environment, Institute of Geography, University of Berne, Steiger-hubelstrasse 3, 3008 Berne, Switzerland. [ISSN 0276- 4741](#). Impact factor [1.8](#). [Indexed in Science Citation Index](#)

14. **Negi, C. S.** 2010. The Institution of Taboo and the Local Resource Management and Conservation Surrounding Sacred Natural Sites in Uttarakhand, Central Himalayas, *International Journal of Biodiversity and Conservation* 2 (8): 186-195. Published by Academic Journal. [ISSN 2141-243X](#). Impact factor [0.75](#). [Indexed in Science Citation Index](#)

15. **Negi, C. S.** 2010. Traditional Knowledge and Biodiversity Conservation: A Preliminary Study of the Sacred Natural Sites in Uttarakhand, Central Himalaya. *Journal of Biodiversity* 1 (1): 43-62. Published by Kamla-Raj Enterprises, 2273, Gali Bari Paharwali, Chawri Bazar, Delhi. [ISSN 0976- 6901](#). [Indian Citation Index](#)

16. **Negi, C. S.** 2010. Traditional culture and Biodiversity Conservation: Examples from Uttarakhand, Central Himalaya *Mountain Research & Development*, 30 (3): 259-265. Published

by the International Mountain Society (IMS), c/o Centre for Development and Environment, Institute of Geography, University of Berne, Steiger-hubelstrasse 3, 3008 Berne, Switzerland. ISSN 0276- 4741. Impact factor 1.8. Indexed in Science Citation Index

17. **Negi, C. S.** 2012. Sustaining life and livelihood: A case study of Askote Conservation Landscape, Central Himalaya. *International Journal of Biodiversity and Conservation*, 2 (8): 186-195. Published by Academic Journal. ISSN 2141-243X. Impact factor 0.75. Indexed in Science Citation Index

18. **Negi, C. S.** 2013. Culture and Biodiversity Conservation: Case Studies from Uttarakhand, Central Himalaya. *Indian Journal of Traditional Knowledge* Vol. 11 (2): 273-278. NISCAIR, CSIR Publications, New Delhi. ISSN 0972- 5938. Impact factor 1.061. Scopus indexed

19. **Negi, C. S.**, Pant, M., Joshi, P. and Bohra, S. 2014. Yar tsa Gunbu [*Ophiocordyceps sinensis* (Berk.) G.H. Sung *et al.*]: the issue of its sustainability. *Current Science* 107 (5): 882-887. ISSN 0011- 389. Impact factor 0.833. Indexed in Scopus, Science Citation Index- Expanded, Web of Science, BIOSIS, etc

20. **Negi, C. S.** 2015. Developing sacred forests into biodiversity heritage sites-experiences from the state of Uttarakhand, Central Himalaya, India. *Indian Journal of Traditional Knowledge* Vol. 11 (2): 273-278. NISCAIR, CSIR Publications, New Delhi. ISSN 0972- 5938. Impact factor 1.061. Scopus Indexed

21. **Negi, C. S.**, Joshi, P. and Bohra, S. 2015. Rapid Vulnerability Assessment of Yartsa Gunbu (*Ophiocordyceps sinensis* [Berk.] G.H. Sung *et al.*) in Pithoragarh District, Uttarakhand State, India. *Mountain Research & Development* 35(4): 382-391. Published by the International Mountain Society (IMS), c/o Centre for Development and Environment, Institute of Geography, University of Berne, Steiger-hubelstrasse 3, 3008 Berne, Switzerland. ISSN 0276- 4741. Impact factor 1.8. Indexed in Science Citation Index

22. **Negi, C.S.**, Pant, Mukesh, Joshi, P. and Bohra, S. 2016. Conserving the caterpillar fungus [*Ophiocordyceps sinensis* (Berk.) G.H. Sung et al.]: a case study of habitat ecology and sustainability in district Pithoragarh, Western Himalaya, India. *International Journal of Biodiversity and Conservation* 8 (9): 196-205. Published by Academic Journal. ISSN 2141-243X. Impact factor 0.75. **Indexed in Science Citation Index**

23. Sharma, P., Lotani, Narendra, Bisht, P. and **Negi, C.S.** 2021. Soil physicochemical dynamics across three alpine meadows differing in the magnitude of grazing pressure: Implications for *Ophiocordyceps sinensis* (Berk.) G.H. Sung et al. *Environmental and Sustainability Indicators* 11. <https://doi.org/10.1016/j.indic.2021.100139>. Impact factor- 5.6, Cite Score- 7.8. **Scopus indexed**.

24. Grehan, J.R., Mielke, C.G.C., Basu, D.N., **Negi, C.S.**, Sharma, P.K. and Kunte, K. 2021. New species of *Thitarodes* Viette, 1968 ghost moth from Kumaun Himalaya, India (Lepidoptera: Hepialidae). *ZooNova Occasional papers in Zoology* 12: 1-16. <http://zoobank.org/urn:lsid:zoobank.org:pub:12956720-8B17-4951-AE17-2DA5220EB60B>. **Web of Science Indexed**.

25. Zhengyang Wang, Wa Da, **Chandra Singh Negi**, Puspa Lal Ghimire, Karma Wangdi, Pramod K. Yadav, Zhuoma Pubu, Laiku Lama, Kuenga Yarpel, Sarah C. Maunsell, Yong Liu, Krushnamegh Kunte, Kamaljit S. Bawa, Darong Yang and Naomi E. Pierce 2022. Profiling, monitoring and conserving caterpillar fungus in the Himalayan region using anchored hybrid enrichment markers. *Proceedings Royal Society B* 289: 20212650. <https://doi.org/10.1098/rspb.2021.2650>. Impact factor 5.349. Impact factor- 3.5, Cite Score- 7.9. **Indexed in Web of Science, Scopus and PubMed**.

26. Priya Bisht, Basant Singh, Pardeep Kumar Sharma, Narendra Singh Lotani, **Chandra Singh Negi**, & Indra D. Bhatt 2024. Exploring the Antioxidant Potential of Methanolic Extracts of Wild Medicinal and Edible Mushrooms from Darma Valley, Pithoragarh, Kumaun Himalaya, India.

International Journal of Medicinal Mushrooms 26 (1): 67-78. Cite Score- 1.4. **Scopus indexed.**
Impact factor- 1.4

27. Priya Bisht, Pardeep Kumar Sharma, Narendra Singh Lotani, **Chandra Singh Negi 2024**. Soil physicochemical properties and macroarthropod abundance across two segments of a temperate forest in Darma Valley, Kumaun Himalaya, India. *Inter. Jr. Biodiversity & Conservation* 16 (1): 1-10. DOI: 10.5897/IJBC2023.1604. Impact factor-0.75. **Indexed in Science Citation Index. IF- 0.75**

28. Lotani, Narendra Singh and Negi, Chandra Singh 2024. *Peucela acutivalva* Qi & Li, 2020 (Lepidoptera: Pyralidae): An addition to the Indian fauna. *Zootaxa* 5446 (4): 595-600. <https://doi.org/10.11646/zootaxa.5446.4.12>. Impact factor- 0.9. **Indexed in Scopus, Science Citation Index.**

Criterion for quality of research work: Research Interest Score- 700.4, Total citations- 782, h-Index- 15 (as on 13th March 2025). SCI as per Thomson Reuters.

B. National

1. Nautiyal, S., Rao, K.S., Maikhuri, R.K., Purohit, A and **Negi, C. S.** 2001. Aetihashik Nanda Raj Jat Yatra- Sanskriti Aeum Prakriti Ka Parasparik Sambandh: Vigat Aeum Vartaman Swarup. *Himalayan Ecology & Development (Envis Bulletin)* 9(2): 75-91. Published by G B Pant Institute of Himalayan Environment & Development, Kosi-Katarmal, Almora. ISSN 0971-7447.
2. **Negi, C S** and Maikhuri, R.K. 2002. Nanda Devi Biosphere Reserve- Pro-Poor Tourism- An option. *Botanica* 52: 1001-1011. Published by Delhi University Botanical Society, Department of Botany, University of Delhi, Delhi. ISSN 0045-2629.
3. **Negi, C. S.** 2003. Effect of Air Pollution on Photosynthesis- A study on its effect on oxygen evolution. *Environment Conservation Jr.* 4 (1-3): 43-50. Published by Action for Sustainable, Efficacious Development and Awareness (ASEA), Malviya Marg, Rishikesh. ISSN 0972-3099.
4. **Negi, C. S.** 2009. Habitat ecology, biochemical analysis, and pharmacological tests of crude extracts of Yartsa Gumba (*Cordyceps sinensis* Berk). *Botanica* 57: 71-79. Published by Delhi University Botanical Society, Department of Botany, University of Delhi, Delhi. ISSN 0045-2629.
5. Sharma, P.K. and **Negi, C.S.** 2022. Livestock Grazing Pressure and Above-Ground Vegetational Changes, and Impact on Yield of Caterpillar Mushroom (*Ophiocordyceps sinensis*). *Indian Journal of Ecology* 49 (1): 80-86. ISSN 0304-5250. <https://doi.org/10.55362/IJE/2022/3480>. Scopus Indexed. **Scopus Indexed**
6. Sharma, P.K., Lotani, N.S., Gahtori, R., Upadhyay, S.K. and **Negi, C.S.** 2022. *Ophiocordyceps robertsii* (Ophiocordycipitaceae: Ascomycetes) from Kumaun Himalaya, Uttarakhand, India. *Bionotes* 24 (1 & 2): 136-140. ISSN 0972- 1800. **Scopus and WoS Indexed**
7. Pardeep Kumar Sharma, Priya Bisht, Narendra Singh Lotani, Chandra Singh Negi 2023. Impact of livestock grazing on soil nutrient dynamics in three alpine meadows of the Munsyari region

of Pithoragarh District Uttarakhand. *International Journal of Ecology and Environmental Sciences* 5 (2): 31-35. Impact factor- 0.135. ISSN: 2664-7125. **UGC CARE listed**

8. Lotani, Narendra Singh and Negi, Chandra Singh 2025. Spatial distribution of moths along the altitudinal gradient in the Pithoragarh district of Kumaun Himalaya. *Indian Journal of Entomology* 88: 660-669. Doi. No.: 10.55446/IJE.2025.3218. Impact factor- 0.20. **Scopus and WoS Indexed**

9. Priya Bisht and Chandra Singh Negi 2025. Survey of Wild Edible Mushrooms in Darma Valley, Kumaun Himalaya, Uttarakhand. *Indian Journal of Ecology* 52(4): 794-799. DOI: <https://doi.org/10.55362/IJE/2025/4576>. Impact factor- 0.21. **Scopus indexed**

10. Ranjana Goswami, Divya Rawat and Chandra S Negi 2025. Indian Odonata: Diversity, Ecology, and Conservation Challenges. *Indian Journal of Ecology* 52(5): 1023-1030. DOI: <https://doi.org/10.55362/IJE/2025/4610>. Impact factor- 0.21. **Scopus indexed**

11. Divya Rawat, Ranjana Goswami and Chandra S. Negi 2025. New size records of wingspan variation in butterfly species (Nymphalidae, Papilionidae and Pieridae) from river Gaula, Nainital, Uttarakhand. *Bionotes* 27 (4): 115-119. **Scopus indexed**

C. Proceedings of conferences

1. C S Negi 2012. Sustaining life and livelihood: A case study of Askote Conservation Landscape, Central Himalaya. *In* Lama, Mahendra P. (ed.) *Globalization and Cultural Practices in Mountain Areas- Dynamics, Dimensions and implications*, Indus Publishing Company, New Delhi, pp. 96-123. ISBN 978-81-7387-230-3

2. C S Negi 2013. Development paradigm- Survival versus sustenance: a case study of Askote Conservation landscape, district Pithoragarh. *In* Singh R A (Ed.), *Landslides and Environmental Degradation*, Gyanodaya Prakashan, Nainital, pp. 337-349. ISBN 81-85097-90-9.

D. Book chapters

1. C S Negi 2016. The anthropology of menses. *In* Negi, C.S. (ed), *Uttarakhand- Nature, Culture, Biodiversity*, Winsar Publishing Co., Dehradun, pp. 126-133. ISBN 978-93-82830-08-5
2. C S Negi 2016. The institution of sacred: Case study from Uttarakhand, Central Himalaya. *In* Negi, C.S. (ed), *Uttarakhand- Nature, Culture, Biodiversity*, Winsar Publishing Co., Dehradun, pp. 137-154. ISBN 978-93-82830-08-5
3. C S Negi 2016. Caterpillar fungus [*Ophiocordyceps sinensis* (Berk.) G.H. Sung et al.]: Habitat ecology and socio-economic effects. *In* Negi, C.S. (ed), *Uttarakhand- Nature, Culture, Biodiversity*, Winsar Publishing Co., Dehradun, pp. 343-354. ISBN 978-93-82830-08-5
4. I.P. Singh, A.K. Srivastava, C S Negi 2016. Biodiversity conservation and rural livelihood improvement programme in the Askote Conservation landscape, Pithoragarh, Western Himalaya, India. *In* Negi, C.S. (ed), *Uttarakhand- Nature, Culture, Biodiversity*, Winsar Publishing Co., Dehradun, pp. 355-373. ISBN 978-93-82830-08-5
5. C S Negi 2017. The changing socio-economic profile of the Shokas and Rangs vis-à-vis the loss of agro-diversity, and the exploitation of Yartsa Gunbu (the caterpillar mushroom): A case study of the Askote Conservation Landscape, district Pithoragarh, Kumaun Himalaya. *In* Chand, R., Nel, E. and Pelc, S. (Ed), *Societies, Social inequalities and marginalization*, Perspectives of Geographic Marginality Series vol. 2, Springer International Publishing AG, pp. 161-177. ISBN 978-3-319-50997-6
6. C S Negi 2017. The sacred natural sites, the social taboo system and the scope of developing some of the sites as biodiversity heritage sites, Uttarakhand, Central Himalaya. *In* Pullaiah, T., Krishnamurthy, K.V. and Bahadur, B. (Eds), *Ethnobotany of India*, Vol. 4. *Western and Central Himalayas*, Apple Academic Press Inc., Waretown, NJ, USA, pp. 445-477. ISBN 978-1-77188-551-5.

7. Negi, C.S. 2021. Yartsa Gunbu or caterpillar mushroom (*Ophiocordyceps sinensis*). In Singh, R.S. and Singh, P.K. (Eds.), *Geology and Natural Resources of Himalaya*, ASR Publications, Lucknow, pp. 255-273. ISBN 978-93-83247-95-0.

8. Negi, C.S. 2021. Culture and conservation: Ethical practices from Askote Conservation Landscape, Central Himalaya. In Singh, R.S. and Singh, P.K. (Eds.), *Geology and Natural Resources of Himalaya*, ASR Publications, Lucknow, pp. 281-303. (ISBN 978-93-83247-95-0).

9. Melkani, T and Negi, C S 2023. Traditional Polyculture Agro-Practices from Kumaun Himalaya, Uttarakhand, India: Harbinger of Sustainable Future. In Singh, R., Dhawan, A.K., Kumar, S. and Sinsuw, I.A (Eds), *Proceedings of International Conference on Natural Resource Management and Sustainability*, Nov. 26-30, 2023, Udayana University, Bali, Indonesia, pp. 69-80. Anu Books, Meerut, India (ISBN 978-93-90115-85-3).

E. Books

1. *Introduction to Endocrinology*, 472 pp. An international publication, distributed throughout South Asia, published by PHI Learning Private Limited, New Delhi. ISBN-978-81-203-3850-0.

2. *Askote Conservation Landscape- Culture, Biodiversity and Economy*, xviii, 590 pp. international publisher & distributor, published by Bishen Singh Mahendra Pal Singh, Connaught circus, Dehradun, 2010. ISBN-978-81-211-0756-3.

3. *Earthworm Diversity and Nutrient cycling: A comparative study of two sacred forests, Kumaun Himalaya*, India, pp. 254. Lambert Academic Publishing, Deutschland, Germany, 2012. ISSN- 978-3-8473-0090-8.

4. *The Sacred Uttarakhand: Ethno-biological study surrounding sacred natural sites in Uttarakhand*, xii, pp. 472. International Publisher & Distributor, published by Bishen Singh Mahendra Pal Singh, Connaught circus, Dehradun, 2014. ISBN 978-81-211-0849-2.

5. *Nanda Devi Raj Jaat: A cultural treatise of Western Himalaya*, pp. 152. Winsar Publishing Co., Dehradun, 2013. ISBN-978-81-86844-22-9.

6. *Uttarakhand- Nature, Culture, Biodiversity* (edited), pp. 448, Winsar Publishing Co., Dehradun, 2016. ISBN-978-93-82830-08-5.

7. *Traditional Ecological Knowledge and Ethnobotany from Pithoragarh, Kumaun Himalaya, Uttarakhand*, 2 Vols, published by Bishen Singh Mahendra Pal Singh, Connaught circus, Dehradun, 2024. ISBN- 978-93-93097-90-3, and ISBN-978-93-92570-37-7

F. Monographs (Written or contributions made)

1. Block 3- Challenges to Sustainable Development, Unit 2 Unsustainable Use of Natural resources, pp. 31. Under Leadership Programme on Himalayan Ecosystems being run by Chair for Sustainable Development (CSD) and School of extension and development Studies (SOEDS), Indira Gandhi National Open University, New Delhi.

2. Journey through a Sacred Land (Contributor), pp. 67. Published by GB Pant National Institute of Himalayan Environment (An autonomous institute of Ministry of Environment & Forests, Government of India), Kosi-Katarmal, Almora

3. Caterpillar Fungus in the Himalaya: Current understanding and future possibilities, pp. 111. Published by GB Pant National Institute of Himalayan Environment (An autonomous institute of Ministry of Environment & Forests, Government of India), Kosi-Katarmal, Almora

G. Articles

1. Forestmaker. *Down to Earth*, Published by Centre for Science and Environment, 41, Tughlakabad Institutional Area, New Delhi. ISSN 0971-8079, May 2000.

2. Himalaya mein sikudte glacier: Bhavi vinas ka sanket, *Aaj Ka Pahar*, March 2001.

3. Nanda Devi Biosphere Reserve: Paryatakon ke Liye kholne ki taiyari, *Aaj Ka Pahar*, June 2002.

4. Yar tsa Gumba, pp. 49-51. 2003. *Down to Earth*, Published by Centre for Science and Environment, 41, Tughlakabad Institutional Area, New Delhi. ISSN 0971-8079.
5. Profile of a miraculous mushroom- Yar Tsa Gumba or Caterpillar mushroom. *Amruth* 7 (6): 21-23. Published by The Medplan Conservatory Society, 74/2, Jarakabande Kaval, Yelahanka, Via Attur PO, Bangalore. ISSN 0971-6793.
6. I am Tasty! I am Healthy! I am Morel Mushroom! *Amruth* 8 (5): 8-9. Published by The Medplan Conservatory Society, 74/2, Jarakabande Kaval, Yelahanka, Via Attur PO, Bangalore. ISSN 0972-3099.
7. Darma: Live and let live, pp. 34-40. 2004. *Srishti*, Vol. 5 (6), Published by Srishti Publications (P) Ltd, A-94, Neeti Bagh, New Delhi. ISSN 0971-3042.
8. Nanda Jat: Have faith, will travel, pp. 26-36. 2005. *Srishti*, Vol. 6 (5), Published by Srishti Publications (P) Ltd, A-94, Neeti Bagh, New Delhi. ISSN 0971-3042.
9. Yar tsa Gumba, pp. 26-31. 2006. *Srishti*, Vol. 7 (2), Published by Srishti Publications (P) Ltd, A-94, Neeti Bagh, New Delhi. ISSN 0971-3042.
10. Yar tsa Gumba- Avegyanik evam abaiwharik dohan ki pariniti, pp. 46-48, *Madhya Himalaya*, Dehradun.
11. Mt. Adi Kailash- Nothing small, nothing common, pp. 76-80. 2007. *Srishti*, Vol. 7 (6), Published by Srishti Publications (P) Ltd, A-94, Neeti Bagh, New Delhi. ISSN 0971-3042.
12. Yar Tsa Gumba urf Keera Jadi, pp. 211-214. 2008. *Pahar* (Vol. 16-17). ISBN 81-86246-40-41.
13. Yar Tsa Gumba-The Keera Ghaas, pp. 11. 2008. *Traffic Post*, Published by Traffic India, WWF-India Secretariat, 172-B, Lodi Estate, New Delhi.

14. Caterpillar fungus- Need it or kill it! 2014. Pp. 17-21. *Heritage Amruth* 20 (1). Published by The Medplan Conservatory Society, 74/2, Jarakabande Kaval, Yelahanka, Via Attur PO, Bangalore. ISSN 0973-2764.

15. Yartsa Gunbu- Boon or curse- the debate is on. 2014. *Sangju* 1 (1): 4-6.

16. The floral heritage of Askote. *Heritage Himalaya* 2017, Vol 2 (1): 8-11

COLLEGE ADMINISTRATION AND EXTENSION ACTIVITIES

College administration

Actively involved in the college administration in the capacity of University Grants Commission- in Charge, Students' Welfare (as well as the In-charge for holding annual student elections), In-charge CM Helpline portal (Dashboard). In the former portfolio, have been solely responsible for the drafting of the different proposal (under different schemes for college development by the UGC) and concomitantly procuring the financial grant from the UGC, New Delhi. This involves, not just the routine grant for college development, but more importantly towards encouraging research activities in the college. Additionally, being a member of different bodies, including proctor, Faculty of Science, member of Library, Reading Hall, makes it all imperative that one is involved in almost all the routine administrative works of the college.

Extension activities

1. Science motivation program for school students- *Creating interest and curiosity through the organization of science motivation programs for high school students*, financed by Department of Science & Technology, Ministry of Science & Technology, Govt. of India, New Delhi. Principal area- Bringing awareness of the latest in the field of science and technology to the class XIth standard students, through demonstration of the working and applications of the scientific instruments, laboratory as well as on-site visits, viz., major hydro-electric projects; their interaction with the scientific as well as the academic fraternity. 5 such motivation programs were conducted in succession for five years, a rare achievement in itself, because the usual practice is to diversify the program throughout India, and not just limited to a district, alone.

2. Actively engaged in organizing talks and lecture series on topics of current and general interest by faculty members, wherein students are encouraged to attend and actively participate in the discussion.
3. Single-handedly established a UGC-Reading Hall, enriched with reading material for different competitive exams. The reading hall remains open for all aspirants, irrespective of whether one is enrolled in the college, or not; and remains open even during vacations. A similar facility is also being currently established in the present M B Government Postgraduate College, Haldwani, too.
4. Van Panchayat members, towards evolving sound policy framework for the conservation, sustainable exploitation and marketization of Yartsa Gunbu, 4th and 6th January 2020.
5. *Contribution made to the Monograph. Caterpillar Fungus in the Himalaya: Current understanding and future possibilities*, pp. 111. Published by GB Pant National Institute of Himalayan Environment (An autonomous institute of Ministry of Environment & Forests, Government of India), Kosi-Katarmal, Almora

ACADEMIC CONFERENCES

A. Seminars organized

1. Opportunities and Scope for Research in Government Colleges, March 16th-17th 2007.
2. Nature, Culture & Biodiversity: ways and means to conserve the culture and Biodiversity of the state of Uttarakhand. 20th-22nd March 2013.
3. Nature, Culture & Biodiversity: ways and means to conserve the culture and Biodiversity of the state of Uttarakhand. 3rd -5th March 2016.

B. Conferences where the paper was presented

i. *international conferences*

1. International Conference on Mountain Biodiversity- Conservation & Sustainable Utilization. 13th-15th March 2010. *Organized by* Doon University, Dehradun. *Title of the paper presented-* Culture and biodiversity conservation: Case studies from Uttarakhand, Central Himalaya.
2. International workshop on Mountain Biodiversity & Impacts of Climate Change, 6th-8th Dec. 2010. *Organized by* G B Pant Institute of Himalayan Environment & Development, Kosi-Katarmal, Almora. *Poster-* 'Institution of The Sacred'.
3. International Geographical Union Commission Conference- Local and regional responses to globalization in the mountains and marginal areas of the world. 1st-9th May 2011. *Organized by* Department of Geography, DSB Campus, Kumaun University, Nainital. *Title of the paper presented-* Socio-economic dynamics defining the life of the inhabitants: The Bhotiya community within the Askote Conservation landscape, Central Himalaya.
4. 10th International Conference on Globalization and Cultural Practices in Mountain areas- Dynamics, Dimensions and Implications. 13th-14th December 2011. *Organized by* Sikkim University, Gangtok. *Title of the paper presented-* Sustaining life and livelihood: A case study of Askote Conservation Landscape, Central Himalaya (**Invited lecture**).
5. International seminar on Cultural Messengers of India. 29th- 30th March 2014. *Organized by* Department of Culture & Tourism, at Dev Sanskriti Vishwavidyalaya, Shanti Kunj, Haridwar, Uttarakhand. *Title of the paper presented-* The institution of sacred, the social taboos, and the conservation of biodiversity within the state of Uttarakhand, Central Himalaya.
6. Invited lecture 'Yartsa Gunbu- Ophiocordyceps sinensis' delivered in National Medicinal Plants Board (Ministry of AYUSH, Govt. of India) sponsored International Conference, organized by Faculty of Biomedical Sciences, Uttarakhand Ayurved University, Dehradun on 29-30 November 2019.

ii. **National**

6. 3rd Uttarakhand State Science and Technology Congress. 10-11th November 2008. *Organized by* Uttarakhand State Council for Science & Technology, Dehradun. *Title of the paper presented-* Habitat Ecology, Biochemical analysis, and pharmacognosy of Yar tsa Gumba (*Cordyceps sinensis* Berk.).

7. 2nd Rastriya Yuva Vaigyanik Sammelan. 6th-7th February 2010. *Organized by* Uttarakhand State Council for Science & Technology, Dehradun and Vijnana Bharati, Doon University, Dehradun. *Title of the paper presented-* Institution of Taboo and the Local Resource Management and Conservation Surrounding Sacred Forests in Uttarakhand, Central Himalayas.

8. Himalayan Biodiversity Conservation and its Judicious Utilization. 6th-10th December 2010. *Organized by* Defence Institute of Bio-Energy Research (DRDO), Gora Parao, Haldwani. *Title of the paper presented-* Institution of Taboo and the Local Resource Management and Conservation Surrounding Sacred Forests in Uttarakhand, Central Himalayas.

9. International terrorism and India's security problems. 17th-18th, March 2012. *Organized by* Government Postgraduate College, Pithoragarh. *The title of the paper presented-* Let's give peace a chance. Invited talk

10. National Seminar on Geology, Biodiversity & Natural Resources of Himalaya and their Intellectual property law, 14th-15th Oct. 2012. *Organized by* Government Postgraduate College, Pithoragarh. *Title of the paper presented-* Exploitation of tourism potential of the hills should not be at the cost of its vulnerability: a case study of Askote Conservation Landscape, District Pithoragarh. Invited talk

11. Nature, Culture & Biodiversity: ways and means to conserve the culture and Biodiversity of the state of Uttarakhand. 20th- 22nd March 2013. *Organized by* Government Postgraduate College, Pithoragarh. *Title of the paper presented-* Developing sacred groves into biodiversity heritage sites- experiences from the state of Uttarakhand.

12. Uttarakhand History and Culture Association, 4th Convention, 21st-22nd March 2014. *Organized by* Department of History, Kumaun University, S Attar J Campus, Almora. *Title of the paper presented-* The institution of sacred and conservation of biodiversity.

13. National Seminar on Environmental Economics and Social Sustainability (EESS-2014), held on 4th-5th December 2014, organized by Department of Botany, Government Postgraduate College, Dwarahat, Almora. Title of the paper- Conserving the caterpillar fungus [*Ophiocordyceps sinensis* (Berk.) G H Sung et al.]: a case study of Habitat ecology and sustainability in district Pithoragarh, western Himalaya, India. **Awarded Best paper.**

14. National seminar on Climate Change, Resources, Bio-diversity & Environmental Challenges: Issues and strategies for sustainable development, organized by Department of Geography, H N B Garhwal University (A Central University), Srinagar, Garhwal from 28-30th October 2015. Paper presented titled- Rapid vulnerability assessment of Yartsa Gunbu (*Ophiocordyceps sinensis* [Berk.] G.H. Sung et al) in Pithoragarh District, Central Himalaya, India.

C. Conferences/seminars/workshops attended

i. National

1. National conference on Biodiversity Related International Conventions: Role of Indian Scientific Community, March 8-10, 2007. *Organized by* Indian National Science Academy and *Organized by* Delhi University Botanical Society and Society of Plant Morphologists, Department of Botany, New Delhi.

2. National Seminar on Protection and enforcement of intellectual property rights (IPRs) in a knowledge economy: Opportunities & Challenges, 6th-7th March 2011. *Organized by* Government Postgraduate College, Pithoragarh.

3. National Conference on Innovations in Ethnopharmacology, recent developments in Biological and Chemical Sciences for societal benefits, 1st-3rd March 2013. *Organized by* Government Postgraduate College, Pithoragarh.

4. Indian National Science Congress, Organized at Mumbai University, from 3-8th January 2015.

ii. Regional

1. The Workshop on Cultural Ecology, 27-28th July 2002. *Organized by* REACH (Rural entrepreneurship for art and cultural heritage), Dehradun.

2. Northern Regional Workshop on Autonomy for higher education Institutions, 20-21 January 2005. *Organized by* University Grants Commission, New Delhi at Panjab University, Chandigarh, Punjab.

3. Role of Science and Technology in the Development of Uttaranchal, 18-19 February 2005. *Organized by* Higher Education Directorate, Haldwani, Nainital at Bhimtal.

4. Annual conference of Academica & Seminar on Transition to Knowledge-based Society, 15-16 March 2009. *Organized by* Government Postgraduate College, Pithoragarh, Uttarakhand.

5. Regional Seminar on Intellectual Property and Innovation Management in Knowledge Era, 11th July 2009. *Organized by* National Research Development Corporation in collaboration with Uttarakhand State Council for Science & Technology, at Government Postgraduate College, Pithoragarh, Uttarakhand.

CAPACITY BUILDING PROGRAMMES ATTENDED

A. Orientation programme

1. 61st UGC sponsored Orientation programme, 12th Dec. 2002 to 9th Jan. 2003. Grade obtained 'A'. Academic Staff College, Jamia Millia Islamia, New Delhi

B. Refresher programme

1. UGC sponsored Refresher course in Biosciences, 2nd June to 21st June 2008, Grade obtained 'A'. Academic Staff College, Himachal Pradesh University, Shimla.

2. UGC sponsored Refresher course in Environmental Sciences, 6th April to 1st May 2009, Grade obtained 'A'. Academic Staff College, Jawaharlal Nehru University, New Delhi

3. UGC sponsored Refresher course in Environmental Sciences, 5th April to 30th April 2010, Grade obtained 'A'. Academic Staff College, Jawaharlal Nehru University, New Delhi

ACADEMIC CONTRIBUTION TO SOCIETY

1. With more than 16 years of conducting around a dozen research projects, primarily within the Askote Conservation Landscape, and secondarily as relates to the survey of the sacred groves conducted throughout the state of Uttarakhand, the expertise gained has duly been recognized by the institutes such as (i) State Forest Department, which conferred the Honorary Wildlife Wardenship of Pithoragarh Forest Division; additionally, the author has been actively involved as relates to the attainment or the formulation of the precise goals enshrined in Biodiversity Conservation and Rural Livelihood Programme (BCRLIP) Project, an International Project being financed by GEF (IUCN), within the Askote Conservation Landscape; (ii) to G B Pant Institute of Himalayan Environment & Development, Kosi-Katarmal (An autonomous institute under Ministry of Environment & Forests, Govt. of India), for which the author contributed as expert consultant for the Kailash Sacred Landscape Conservation Initiative-Conservation Initiative: Indian Part, as also, as member of the Indian delegation to study the Nepal-side of the Kailash Sacred Landscape in Indo-Nepal Joint Yatra, held from 30th October to 10th November 2011.

2. The research work carried out on the distribution of the sacred natural sites throughout the State of Uttarakhand was showcased by the G B Pant Institute of Himalayan Environment & Development (presently G B Pant National Institute of Himalayan Environment (GBPNIHE), An autonomous institute under Ministry of Environment & Development, Govt. of India, New Delhi, in the form of Exhibition, and exhibited in the train, which traveled throughout the country, for one whole year (the year 2012-12), as part of the initiative by the Ministry of Environment & Forests, Govt. of India. The above research work also found mention in the form of a short report on the institution of sacred within the State of Uttarakhand, as part of the final draft prepared by the State Biodiversity Board, Dehradun for the CoP 11 summit at Hyderabad.

3. Out of the 280 odd sacred natural sites covered over the last seven years, 13 sacred forests were selected as per the provisions of the National Biodiversity Authority of India (NBAI) to be developed into Biodiversity Heritage Sites (BHS), wherein a detailed survey of the forests was carried out as also the institution of the Biodiversity Management Committee (BMC). Presently the State Biodiversity Board is in the final stage of recommending the 12 Sacred Natural Sites (of which the final report was submitted by the present author) as Biodiversity Heritage Sites (BHS). The author presumes (and is hopeful) that even if 6-7 sites are do declared as BHS, it would be a milestone as recognition of the traditional ethics of conservation, and would greatly facilitate the involvement of the local stakeholders in the conservation of biodiversity.

MEMBERSHIP OF THE PROFESSIONAL BODIES

1. Asia Pacific Mountain Network-Mountain Forum, ICIMOD, Kathmandu, Nepal
2. Delhi University Botanical Society, Dept. of Botany, Delhi University, Delhi, India (membership no, LM 135)
3. PAHAR (Peoples Association for Himalaya Area Research), Nainital
4. The Indian Science Congress Association, Kolkata (membership No. L 15369)
5. Uttarakhand History & Culture Association (Membership No. UHCA LM 119)
6. National Academy of Biological Sciences (Membership No. LM-033-16)
7. National Academy of Science (applied for)

REFERENCES

1. Dr. S P S Bisht, Vice-Chancellor, Soban Singh Jeena University, Mall Road, Almora- 263601. Uttarakhand. E-mail: lm spalni@rediffmail.com. Mobile: 98171141176. sps.bisht@gmail.com
2. Dr. R C Sundriyal, S Rawal, Department of Forestry & Natural Resources, School of Agriculture & Allied Sciences, H N B Garhwal University, A Central University, Srinagar (Garhwal)- 246174. Uttarakhand. E-mail: sundriyalrc@yahoo.com. Mobile: 9412094046.

3. Dr. G.S Rawat, Professor Emeritus, Post Box 18, Wildlife Institute of India, Chandrabani, Dehradun- 248001. Uttarakhand. India. E-mail: gsrawat59@gmail.com. Mobile: 9690253814.

THANK YOU.