

ACADEMIC PROFILE

Dr. SHREEKAR PANT

Designation: Senior Assistant Professor

Qualification: Ph.D.

Ph.D. Title: **THESIS TITLE: ASSESSMENT OF PLANT DIVERSITY AND ETHNOBOTANY OF MORNAULA RESERVE FOREST IN KUMAUN, WEST HIMALAYA**

SUPERVISORS: PROF. Y.P.S. PANGTEY, DSC., FNASC., DEPARTMENT OF BOTANY, D.S.B. CAMPUS, KUMAUN UNIVERSITY, NAINITAL

DR. S.S. SAMANT, DSC., FNASC., SCIENTIST IN-CHARGE, GBPNIHESD, HIMACHAL UNIT, MOHAL-KULLU-175 126, HIMACHAL PRADESH

Area of Specialization: Forest Ecology, Floristics, and Ethnobotany

Award

Name of the Award	Organization	Year
Best Biodiversity Conservation and Management Practice Award-2016	PERAL Foundation Educational Excellence Award, Madurai, India	2016

Recognition

- Expert member by Department of Biotechnology, GoI, New Delhi to review the Project Progress
- Subject expert “*Natural Resource Management and Biodiversity Conservation*” for designing Course Curriculum in Uttarakhand Open University, Dehradun, Uttarakhand.
- Member, Editorial Board, Academic Press.
- Member, Editorial Team, International Journal of Biodiversity Conservation
- Reviewer for Indian Journal of Natural Resource and Product, Journal of Phytology, International Food Research Journal, International Journal of Biodiversity Science, Ecosystem Services and Management, Proceedings of National Science Academy (Biological Section) (*SPRINGER*), Journal of Cultural Heritage, African Journal of Biological Sciences, Journal of Medicinal Plant Research (*ACADEMIC PRESS*), Journal of Mountain Science (*SPRINGER*), International Journal of Biodiversity Conservation (*ACADEMIC PRESS*), Indian Journal of Traditional Knowledge (*NISCAIR*).
- Paper Setter of various Indian Universities.
- External Examiner for M.Sc. Dissertation and Pre Ph.D. oral Viva Voce of SKAUST-K, Srignar.
- Member of External Examiner of Ph.D. Thesis evaluation of Manonmaniam Sundaranar University, Tirunelveli, University of Rajasthan and others

Research Projects: 08

S.No.	Title	Agency	Period	Grant/Amount mobilized (Rs lakhs)
Completed				
1	Centrally sponsored Scheme-National Horticulture Mission <u>(Principal Investigator)</u>	Directorate of Arecanut & Spices Development, Ministry of Agriculture , Calicut, Kerala	2yrs	3.93 0.75
2	Population assessment and prioritization of economically important and over exploited plants in a part of Cold Desert Biosphere Reserve for Conservation <u>(Principal Investigator)</u>	Ministry of Environment and Forests, Govt. of India, New Delhi	3 years	18,65,375/-
3	Restoration of Degraded Dhanidar Forest Range in Rajouri (J&K) through SWEET Package of GBPIHED <u>(Principal Investigator)</u>	GBPIHED, Kosi-Katarmal, Almora	3 years	8.86 lakh
4	Financial assistance for the development of LEAD Botanical Garden for the North Western Phytogeographic region of the Himalaya at BGSB University, Rajouri, J&K <u>(Co-Principal Investigator)</u>	Ministry of Environment and Forests, Govt. of India, New Delhi	3 years	58.58 lakh
5	Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools (All India Coordinated Network Project) <u>(Principal Investigator)</u>	Department of Biotechnology, Govt. of India, New Delhi	5 years	48.204 lakh
6	Establishment of Herbal Garden at BGSBU, Rajouri, J&K <u>(Principal Investigator)</u>	National Medicinal Plant Board, New Delhi	3 years	22 lakh

7	Socio-economic upliftment of rural women belonging to SC/ST communities through adoption of eco-friendly technologies in Dhanore region, Rajouri district of Jammu and Kashmir State (Principal Investigator)	Department of Biotechnology, Govt. of India, New Delhi	3 years	45.66 lakh
8	Ethnobotanical exploration of district Rajouri, J&K Himalaya (Principal Investigator)	Under the National Mission for Sustaining the Himalayan Ecosystem of DST (NMSHE-DST) through	3 months	1 lakh

Ph.D.: 01 (Taxonomic and Ethnobotanic assessment of the Pteridophytic flora of District Rajouri,

J&K, India (Ms. Shagufta Anjum, submitted)

03 Registered

M. Phil: 01 (Taxonomic and Ecological observations on the Pteridophytes in tehsil Thannamandi,

district Rajouri, (J&K) (Ms. Shagufta Anjum, M.Phil Awarded)

M.Sc. Dissertations: more than 17

Research Publications:

- S.S. Samant and Shreekar Pant. Diversity, distribution pattern and traditional knowledge of Sacred Plants in Indian Himalayan Region. 26 (3): 222-234. 2003. Indian Journal of Forestry.
- Shreekar Pant and R.C. Gupta. Diversity of Macrofungi of Binsar Wildlife Sanctuary in Kumaun, West Himalaya. 27 (4): 332-334. 2004. Indian Journal of Forestry.
- S.S. Samant, H.C. Joshi, S.Pant and S.C. Arya. Diversity, distribution and conservation of pteridophytes in Nanda Devi Biosphere Reserve, West Himalaya, India. 22: 101-112. Indian Fern Journal.
- Shreekar Pant and S.S. Samant. Diversity, distribution, uses and conservation status of plants species of the Mornaula Reserve Forests, West Himalaya, India, 2: 97-104. 2006. International Journal of Biodiversity Science & Management.
- Shreekar Pant and S.S. Samant. Diversity and distribution pattern of the Pteridophytes of Mornaula Reserve Forest of Kumaun in Western Himalaya. 23: 19-27. 2006. Indian Fern Journal.

- S.S. Samant and Shreekar Pant. Diversity, distribution pattern and conservation status of plants used in liver diseases/ailments in Indian Himalayan Region. 3 (1): 28-47. 2006. Journal of Mountain Science.
- Man Singh, Manohar Lal, Shreekar Pant and S.S. Samant. Diversity, Utilization Pattern and Prioritization of Fodder Species for conservation in Kullu District, Northwestern Himalaya, India, 4 (3): 259-274. 2007. Journal of Mountain Science.
- J.S. Butola, Shreekar Pant and S.S. Samant. Effect of pre-sowing seed treatments in *Hypericum perforatum* L.: A High Value Medicinal Plant. 35 (2): 205-209. 2007. Seed Science.
- Shreekar Pant and S.S. Samant. Assessment of plant diversity and prioritization of communities for conservation in Mornaula Reserve Forest, 5(2): 151-166. 2007. Applied Ecology & Environmental Research.
- S.S. Samant, Shreekar pant, Man Singh, M.Lal, Ashok Singh, Aman Sharma and Sakshi Bhandri. Medicinal Plants in Himachal Pradesh, North Western Himalaya, India, 3: 234-251. 2007. International Journal of Biodiversity Science & Management.
- Shreekar Pant and S.S. Samant. Population Ecology of the Endangered Himalayan Yew in Khokhan Wildlife Sanctuary of North Western Himalaya, India and Implications for Conservation Management. 5: 157-164. 2008. Journal of Mountain Science.
- Shreekar Pant, S.C. Arya and S.S. Samant. Diversity and Indigenous household remedies of the inhabitants surrounding Mornaula Reserve Forest in West Himalaya, India, 8(4): 606-610. 2009. Indian Journal of Traditional Knowledge.
- Shreekar Pant and Susheel Verma. Diversity and Economic importance of agroforestry species in Dhanore region of Rajouri district, Jammu & Kashmir. 32(3): 401-405. 2009. Indian Journal of Forestry.
- Shreekar Pant and Virbala Sharma. Status and conservation management strategies for threatened plants of Jammu and Kashmir. 3 (7): 50-56. 2011. Journal of Phytology.
- Shreekar Pant and S.S. Samant. Diversity and regeneration status of tree species in Khokhan Wildlife Sanctuary, North-Western Himalaya, 53(3): 317-331. 2012. Tropical Ecology.
- Shreekar Pant and Tsewang Rinchen. *Dactylorhiza hatagirea*: a high value medicinal orchid. 6(19): 3522-3524. 2012. Journal of Medicinal Plant Research.
- Shagufta Anjum, H.C. Pande and Shreekar Pant. Diversity and distribution pattern of the Pteridophytes of Tehsil Thannamandi of district Rajouri, Jammu and Kashmir, 1 (1): 29-34. 2013. E Journal of Applied Forest Ecology.
- Shreekar Pant and Tsewang Rinchen. Ethnopharmacological uses of plants among inhabitants Surrounding Suru and Zanskar valleys of cold desert, Ladakh, 5(1): (p) 486 – 494, 2014. International Journal of Pharma and Bio Sciences.
- K. Ahmad, Tsewang Rinchen and Shreekar Pant. Population Ecology and regeneration status of *Buxus wallichiana* (Himalayan Box Tree) in Rajouri-Poonch districts, Jammu and Kashmir, India: Honing Red List of Plants, 141 (1): 29-34, 2015. Indian Forester.
- Shagufta Anjum, S.P. Khullar and Shreekar Pant. Ecological Observations on the fern flora of Thannamandi district Rajouri, Jammu and Kashmir, India, 140 (12): 1235-1244, 2014. Indian Forester
- Shagufta Anjum, S.P. Khullar and Shreekar Pant. A dark-scaled *Dryopteris dickinsii* from Rajouri, Jammu & Kashmir (India). 32: 136-146. Indian Fern Journal.
- Bharti Sharma, Sheezan Rasool, and Shreekar Pant. *Pistacia integririma* Stewart et Brandis: A less know high value medicinal plant, 9 (3): 390-393. 2016. International Journal of Phytomedicines.

- Virbala Sharma and Shreekar Pant. Weed as underutilized bio-resource and management tool: A comprehensive review. published online DOI: 10.1007/s12649-018-0212-2, 2017. Waste and Biomass Valorization.
- Shagufta Anjum and Shreekar Pant. *Lygodium japonicum* (Climbing Fern) – from Jammu, India, 34 : 30-33, 2017. Indian Fern Journal.
- Shagufta Anjum and Shreekar Pant. Pteridophytic flora of District Rajouri, Jammu and Kashmir, India, 34: 174-183, 2017. Indian Fern Journal.
- Tsweang Ricnhen and Shreekar Pant. Population Ecology, Ethnobotny and Distribution of *Podophyllum hexandrum* Royle an Endangered Medicinal Plant in Suru Valley, Ladakh, Jammu & Kashmir, India, 143 (12): 1280-1283, 2017. Indian Forester.
- Pant, Shreekar, Rinchen, Tsewang, Butola, J.S. Indigenous knowledge on bio-resources management for sustainable livelihood by the cold desert people, trans-Himalaya, Ladakh, India, 9 (2)168-173, 2018. Indian Journal of Natural Products and Resources (IJNPR) [Formerly Natural Product Radiance (NPR)].

Conference Proceedings	
1	Diversity, distribution pattern and economic importance of the agroforestry trees and shrubs in Kullu districts, Himachal Pradesh. In: Jagdish Kumar (eds.), Proceeding of the State Level workshop on “ <i>Status and Potential of Agroforestry in Northwestern Himalayas</i> ” at Himalayan Forest Research Institute, Shimla on November 14-16, 2006. 34-42.
2	Conservation Status and Management Strategies for threatened plants of Jammu and Kashmir. In: Proceeding of the National Seminar on Medicinal plants of Himalaya: Potential and Prospect at Regional Research Institute of Himalayan Flora, Tarikhet (CCRAS), Ranikhet, Uttarakhand on September 16-17, 2010.55-66.

Chapter in Books

S. No.	Title with page nos.	Journal/ Book name	ISSB/I SBN No.	No. of co-authors
1	Floristic diversity of the Mornaula Reserve Forest, Kumaun Himalaya, The Himalaya: <i>Biodiversity, Ecology and Conservation</i> . Eds. Tewari, Lalit, Nainital. pp 229-264.	The Himalaya: Biodiversity, Ecology and Conservation. Gyanodaya Prakashan, Nainital	85097-82-8	PANT, SHREEKAR & Samant, S.S. 2010.

Score	Google Scholar	Research Gate
h index	12	9
Citation	461	197
i10 index	14	9
		RG Score=9.48

Academic/Administrative Post:

- Academic Coordinator, PG Programme, Botany (2014 -2017)
- Member, Board of Studies, PG Programme, Botany, Biotechnology and Zoology
- Member, Departmental Research Committee
- Member, M.Phil Committee
- Member, Departmental Purchase Committee
- In-charge, Herbarium
- Member, Lead Botanic Garden Committee
- Director In-charge, as or when required

Membership of Professional Societies

- ECO-ETHICS INTERNATIONAL UNION (EEIU), GERMANY
- INDIAN FERN SOCIETY, CHANDIGARH (LIFE MEMBER)

Seminar/Workshop/Conferences *PAPER PRESENTED*

S.No.	Title of the paper presented/attended	Title of the conferences and seminars	Organized by
1	Phytodiversity of the Mornaula Reserve Forest, West Himalaya, India”	3 rd J&K Science Congress	University of Jammu in collaboration with State Department of Science & Technology on February 26-28, 2008.
2	Some common but important house hold remedies of Mornaula Reserve Forest, West Himalaya”	National Seminar on Chemistry Biology Interface: Recent Trends	Department of Chemistry, Govt. P.G. College, Ranikhet, Almora, Uttarakhand, India in collaboration with U.G.C. New Delhi on October 28-30, 2010.
3	Preliminary Investigation of the Insects infecting Withania somnifera in Rajouri, Jammu and Kashmir	5 th J&K Science Congress	University of Jammu in collaboration with State Department of Science & Technology on February 8-10, 2010.
5	Presented a case for Rajouri district for the cultivation of saffron	Brain Storming session on Saffron	University of Kashmir in collaboration with Department of Biotechnology, Govt. of India on October 17, 2011.

6	Population Ecology and regeneration status of <i>Buxus wallichiana</i> (Himalayan Box Tree) in Rajouri-Poonch districts, Jammu and Kashmir, India: Honing Red List of Plants	101 st Indian Science Congress	University of Jammu, Jammu from February 3 to 7, 2014
7	Population ecology of <i>Podophyllum hexandrum</i> Royle: endangered medicinal plant in Suru Valley, Ladakh, Jammu & Kashmir, India	National Conference organized by	Career Point University, Hamirpur in collaboration with ICMR, New Delhi from April 7-8, 2017

Training Programmes ATTENDED

S.No.	Programme	Duration	Organized by
1	Inception workshop on Environmental Conservation and issues for Tibetan Community	ONE WEEK (from October 8-14, 2007)	GBPIHED, Himachal Unit and Tibet House, New Delhi, at Rewalsar, Mandi.
2	Workshop on taxonomy and bioprospecting	10 days (28 th January to 6 th February, 2008)	CEMDE, University of Delhi in collaboration with Ministry of Environment and forests, New Delhi
3	Refresher course on “Traditional and Modern Approaches in Plant Taxonomy”	14 days (November 15-29, 2012)	Science Academics’s in collaboration with Botanical Garden and Herbarium, University of Agricultural Sciences, Bangalore
4	Orientation Programme	28 days (May 1-28, 2014)	Academic Staff College, Kumoun University, Nainital, Uttarakhand
5	Refresher Course on Disaster Management (ID)	01 December -23 December, 2016	HRDC, Kumoun University, Nainital, Uttarakhand

Previous Employment Details

S.No.	Position and nature of duties	Salary and grade	Date of joining	Date of leaving	Name of employer	Reasons for leaving the job, if any
1	JRF (Research and Development)	5000+HRA	Nov 2001	Dec 2001	GBPIHED, HQ, Almora	Project completed
2	Researcher (Research and Development)	5000/fixed	Jan 2002	Aug 2004		Project completed
3	SRF (Research and Development)	9000+HRA	Sept 2004	May 2005	GBPIHED, Himachal	Project completed
4	SRF/Research Associate (Unit) (Research and Development)	16000+HRA	May 2005	October 2007	Unit, Mohal-Kullu, H.P.	Selected as Scientist/AP

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