

CURRICULUM VITAE



Name: Dr. Saraswati Bisht

Designation: Assistant Professor, Botany

Qualification: M.Sc., Ph.D.

Area of specialization: Mycology

Address: Department of Botany, IPGGPG College of Commerce,
Haldwani, Nainital.

Mobile Number: 7500223213

E-mail: saraswatibisht.4321@gmail.com

ACADEMIC DETAILS

S.No.	Degree	Institution	Year	Division
1.	B.Sc	Kumaun University, Nainital	1999	I
2.	M.Sc.	-do-	2001	I
3.	Ph.D.	-do-	2006	-

Ph.D. Title: *“Response pattern of aquatic hyphomycetes along physico-chemical gradients”*

*Awarded for WOS-B, women scientists fellowship in 2008

TEACHING EXPERIENCE-

U.G.- 14 years

P.G.- 8 years

RESEARCH EXPERIENCE- 10 years

RESEARCH PAPERS-

1. Sati, S.C. Belwal, M., **Bisht, S. 2004.** Species composition of water-borne conidial fungi in two altitudinally different streams of Kumaun Himalaya. *Recent Advances in Mycological Research*. I.K. International Pub. H. Pvt. Ltd., 194-202.
2. Sati S.C. and **Bisht S. 2005.** Growth responses of aquatic hyphomycetes to different nitrogen sources. *Sydowia* 58 (1) 125-132.
3. Sati S.C. and **Bisht S. 2006.** Utilization of various carbon sources for the growth of water borne conidial fungi. *Mycologia*. 98 (5): 678-81.
4. Sati, S.C., **Bisht, S.** and Arya, P. **2009.** Effect of temperature, pH and light on the growth of some aquatic hyphomycetes. *Contribution to the Mycological Progress*. 413-423.
5. **Bisht S. 2013.** Growth responses of aquatic hyphomycetes to different sources of carbon and nitrogen. *Journal of Applied and Natural Sciences*.5 (2). 313-317.
6. **Bisht S. 2015.** Medicinal and herbal plant diversity of Champawat. *The Rohilkhand Geographical Journal of India*. 19: 25-34. (ISSN: 0976-8556).
7. Kandpal M., Tewari S.D., **Bisht S.,** Joshi P., Jalal R. **2019.** Socioeconomic aspects of finger millet (Mandua/Ragi) with special reference to Uttarakhand. *Shodhmanthan*.10 (8): 97-99. (ISSN: (P) 0976-5225)
8. Kaur, J., Anand, V., Srivastava, S., Bist, V., Tripathi, P, Naseem, M., Nand, S., Ansu, Khare, P., Srivastava, P.K., **Bisht, S.,** Srivastava, S. **2020.** Yeast strain *Debaryomyces hansenii* for amelioration of arsenic stress in rice. *Ecotoxicology and Environmental Safety*. Elsevier. 195: 1-11.
9. Jalal, R., **Bisht, S.,** Altaf, S., Tiwari, A. **2020.** Diversity of water-borne conidial fungi in some freshwater bodies of Kumaun Himalaya in district Nainital (Uttarakhand), India. *Journal of Applied and Natural Science*. 12 (4): 484-490.
10. Altaf, S., **Bisht, S.,** Jalal, R., Kaur, J. **2022.** Diversity and Seasonal Variation of Aquatic Hyphomycetes in Nandhaur Wildlife Sanctuary, Uttarakhand, India. *Research Journal of Agricultural Sciences*. 13 (3): 594-600.
11. **Bisht, S.,** Jalal, R., Altaf, S. **2023.** An Assessment of Ingoldian Fungi from Hillock Streams of Kumaun Himalaya, India. *International Journal of Ecology and Environmental Sciences*. 49: 309-313.

CHAPTERS-

1. **Bisht, S.,** Altaf, S., Jalal, R., Arya, R., Joshi, K. **2018.** Fungal disease epidemics and human migration in response to climate change. *Migration from Indian Himalayan Region: Challenges and Strategies*. 290-294. Jagdamba pub. New Delhi (ISBN: 978-9385437-17-5)
2. Tewari, S.D., Joshi, P., **Bisht S.,** Nainwal, D., Bhandari, M., Singh, D. **2018.** Rapid climate change – A Global concern In: Atul Joshi (ed) *Migration from Indian Himalayan Region; Challenges and strategies*. 286-289. Jagdamba pub. New Delhi (ISBN: 978-9385437-17-5).
3. Tewari, S.D., Joshi, P., **Bisht S.,** Singh, D., Bhandari, M., Arya, R. **2020.** Prospects of Eco-Tourism i Uttarakhad a Evirometal Overview. Jagdamba pub. New Delhi (ISBN: 9789385437250).

BOOK-

1. **Bisht, S., Rao, H.G. 2023.** Microbes, Algae, Fungi and Bryophytes. **Thakur Publication Pvt. Ltd.** ISBN: 9789354807190.

CONFERENCES-

1. Paper presentation entitled “**Current Status of Indian Education System in Relation to Human Values.**” National Seminar on ‘Indian Education System and Human Values: Understanding the Relationship and Analysing the Need’.
2. Paper presentation entitled “**Aquatic Hyphomycetes: An Important Microflora of Fresh Water Bodies**”. International Seminar on ‘Aestheticism and Indian Culture’.
3. Paper presentation entitled “**Dwindling Biodiversity of Tagore Top (Malla Ramgarh) and Surroundings**” ‘Gurudev Rabindranath in Contemporary Perspective’.
4. Paper presentation entitled “**Antifungal Properties of Some Medicinal Plants Used by Tharu Community of Uttarakhand**” Indian Science Congress Association (Haridwar Chapter) organized by Department of Biological Sciences, CBS&H, G.B. Pant University of Agriculture and Technology, Pantnagar.
5. Paper presentation entitled “**Prospects of Eco-tourism in Uttarakhand- An Environmental Overview**” in National Seminar on “Various Dimensions of Tourism

in Uttarakhand: Prospects and challenges” on 7th May 2019 at Malla Ramgarh, Dist. Nainital, Uttarakhand.

6. Paper presentation entitled **“Diversity of Aquatic Hyphomycetes in Relation to Energy Flow of Fresh Water Ecosystem”**. Challenges to Ecosystem & Environment Towards Sustainable Development.
7. Paper presentation entitled **“Three New Aquatic Hyphomycetes from Foothill Region of Kumaun Himalaya”** in National Conference on Climate Change: Its Impact on Bio-Resources of the Himalayan Region (CCIBHR-2022) organized by Department of Chemistry SSMMUSSS Government Post Graduate College, Dwarahat, Almora (Uttarakhand).

WORKSHOPS ATTENDED-

1. 7-Day National Workshop on **“Developing Synergy Between Information Communication Technology and Academics”** on 25th-31st March, 2017 at M.B.Govt. P.G. College, Haldwani (Nainital).
2. Workshop on **“Foldscope and its Applications”**, on 12 December, 2018, sponsored by Department of Biotechnology, Ministry of Science and Technology, Government of India, New Delhi under Twinning Programme on Foldscope.

Organization of Seminar:

1. Webinar- 1
2. Workshop on IPR as Convener - 1

Research Guidance:

1. Ph.D. completed under the supervision- 1
2. Ph.D. students registered under the supervision- 4

Membership of Professional Bodies:

1. Indian Botanical Society
2. OAKS