

# Kumaun University, Nainital

## Curriculum Vitae

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Name : Dr. Prabha Pant  
Designation : Guest Faculty  
Department : Botany  
Contact Information  
• Email Address : pantprabha93@gmail.com  
• Mobile No : 7351855947



ORCID ID : 0000-0002-7862-3895  
Scopus ID : 56183141100  
Vidwan ID : 512070

### Educational Qualification

Degree	University	Subjects	Year
B.Sc.	Kumaun University, Nainital	Zoology, Botany, Chemistry	2012
M.Sc.	Kumaun University, Nainital	Botany	2014
Ph.D.	Kumaun University, Nainital	Botany	2020

### Work Experience

Position	Department	University/Organization	Year
Guest Faculty	Botany	Kumaun University, Nainital	2020- Present
Junior Research Fellow	Botany	Kumaun University, Nainital	2018-19

## Research Interests

Isolation and bio-prospection of endophytic fungi as nutrient solubilizer, bio control agent and plant growth promoter.

## Publications

### a) Research Papers

Authors name	Title of the paper	Vol, page no	Year
<b>Prabha Pant</b> , S. C. Sati, Parikshit Kumar and Anjali Koranga	Mycochemical composition and antioxidant activity of root endophytic aquatic hyphomycetes isolated from the riparian area of Kumaun Himalaya, India	Natural Product Research. doi.org/10.1080/14786419.2023.2297406.	2024
Anup Sah, N.S.K. Harsh and <b>Prabha Pant</b>	<i>Boletus rubroflammeus</i> – A new Bolete Report for India	Indian Forester, 149 (6) : 680-682	2023
Suresh Chandra Sati, <b>Prabha Pant</b> and Nikolay Vassilev	Significance of root endophytic aquatic hyphomycetes in phosphate solubilisation	Sydowia, 75: 99-105.	2023
<b>P. Pant</b> and S.C. Sati,	Effect of two root endophytes ( <i>Campylospora parvula</i> and <i>Tetracladium setigerum</i> ) on the growth of the wheat plant.	Asian Journal of Mycology. 6(10): 107-113.	2023
<b>Prabha Pant</b> and S. C. Sati	Antibacterial activity of root endophytic aquatic hyphomycetes against plant pathogenic bacteria	Vegetos, 34: 785-789	2021
Anjali Koranga, <b>Prabha Pant</b> and S. C. Sati	Biodiversity of asexually produced aquatic conidial fungi as root endophytes from Kumaun Himalaya	The International Journal of Plant Reproductive Biology 13(1) :.64-69	2021
P Kumar, S. C. Sati, K. Khulbe, <b>P Pant</b> , A. N. Tripathi, and	Phytochemical constituents, antimicrobial and antioxidant	Natural Product Research. 36(4): 1095-1099	2020

K. Sarvendra	activities of Kumaun Himalayan Hoop Pine bark extract		
S.C. Sati and <b>P. Pant</b>	Two Root Endophytic Aquatic Hyphomycetes <i>Campylospora parvula</i> and <i>Tetracladium setigerum</i> as Plant Growth Promoters	Asian journal of Agricultural Research 14: 28-33	2020
<b>Prabha Pant</b> , Anjali Koranga and S.C. Sati	Aquatic Hyphomycetes of Kumaun Himalaya: <i>Tricladium</i>	Phytotaxa 415 (1): 049–057	2019
<b>Prabha Pant</b> , Anjali Koranga and S. C. Sati	Diversity and distribution of aquatic hyphomycetes in fresh water bodies of Nainital, Kumaun Himalaya, India	The International Journal of Plant Reproductive Biology 11(2) :107-113	2019
S. C. Sati and <b>P. Pant</b>	<i>Catenomycoopsis vinayaka</i> sp. nov. from Kumaun Himalaya, India.	Species. 20: 200-203.	2019
S. C. Sati and <b>Prabha Pant</b>	Evaluation of phosphate Solubilization by root endophytic aquatic Hyphomycete <i>Tetracladium setigerum</i>	Symbiosis, 77:141-145	2018
Savita Joshi, Parikshit Kumar, <b>Prabha Pant</b> , SC Sati	A comparative evaluation of Kumaun Himalayan Gymnosperms for their Antifungal potential against plant pathogenic fungi	The Journal of Phytopharmacology ; 7(3): 230-241	2018
<b>P. Pant</b> and S. C. Sati	Occurrence and Distribution of Kumaun Himalayan Aquatic Hyphomycetes: <i>Tetracladium</i>	International Journal of Current Advanced Research, 7(7) 14100-14105.	2018

b) Books

Authors name	Title of the book	Publisher	ISBN	Year
S. C. Sati and <b>Prabha Pant</b>	Textbook on Lichens “The Lichenized Fungi”	Elite Publishing House, New Delhi	978-93-58990- 13-3	2023

c) Book chapters

Authors name	Title of the book	Publisher	ISBN	Year
Hem C Joshi, <b>Prabha Pant</b> and Harsh K. Chauhan	Challenges and opportunities in scaling up plant functional trait based approaches	Nature Springer (Springer International Publishing)		2024

d) Conference Publications/Proceedings

Authors name	Title of the paper	Conference name	Year
<b>Prabha Pant</b> and S. C. Sati	Phosphate solubilization potential of root endophytic aquatic hyphomycetes isolated from riparian area of Nainital, Kumaun Himalaya	XLI All India Botanical Conference of The Indian Botanical Society and National Symposium On Ecological Restoration, Carbon Sequestration and Biotechnological Approaches for Biodiversity Conservation	2018
<b>Prabha Pant</b> and S. C. Sati	Studies on Root Endophytic Aquatic Hyphomycetes <i>Cylindrocarpon aquaticum</i> as Plant Growth Promoter	National symposium on sustainable disease management: approaches and applications and IPS-MEZ annual meeting	2017

**Teaching details**

Name of the course/paper	Department	University	Year
Fungi	Botany	Kumaun University, Nainital	2020-Till date

Gymnosperms	Botany	Kumaun University, Nainital	2021- Till date
Mycology	Botany	Kumaun University, Nainital	2020- Till date
Cytogenetics and Plant Breeding	Botany	Kumaun University, Nainital	2021- Till date
Plant Pathology	Botany	Kumaun University, Nainital	2021- Till date

### Honours and Awards

Award	Awarding Organization	Year
Dr. M.J. Thirumalachar Young Scientist Award	Mycological Society of India	2018
DBT-JRF	Department of Biotechnology, New Delhi	2018-19
Uttarakhand State Eligibility Test (USET)	Kumaun University, Nainital	2017

### Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Role of root endophytic aquatic hyphomycetes in phosphate solubilization	International conference on fungal biology: recent trends and future prospects and 45 <sup>th</sup> annual meeting of the mycological society of India	Agharkar Research Institute, Pune	2018
Phosphate solubilization potential of root endophytic aquatic hyphomycetes isolated from riparian area of Nainital, Kumaun	XLI All India Botanical Conference of The Indian Botanical Society and National Symposium On Ecological Restoration, Carbon Sequestration and	Jiwaji University, Gwalior	2018

Himalaya	Biotechnological Approaches for Biodiversity Conservation		
Studies on Root Endophytic Aquatic Hyphomycetes <i>Cylindrocarpon aquaticum</i> as Plant Growth Promoter	National symposium on sustainable disease management: approaches and applications and IPS-MEZ annual meeting	GBPUAT, Pantnagar	2017
Screening of rhizospheric fungi for their phosphate solubilisation potentiality	National seminar on plants and environment	Kumaun University, Nainital	2017



**Signature of the faculty member**