

CURRICULUM VITAE

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Gender : Female

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ACADEMIC QUALIFICATIONS

Degree	Passing year	Subject	University/College/ Board	Division and Percentage
Ph.D.	2019	Botany	Kumaun University	Studies on morphology, diversity and colonization ability of <i>Pteris vittata</i> L.
B.Ed.	2012	Science, Teaching techniques.	Dr. R. M. L. Awadh University	I st Division (78%)
M.Sc.	2011	Plant Science	University of Lucknow	I st Division (63.12%)
B.Sc.	2009	Botany, Chemistry, Zoology	University of Lucknow	II nd Division (59.33%)
Intermediate	2006	Gen Hindi, Gen English, Biology, Chemistry, Physics	Uttar Pradesh Board	I st Division (71.2%)
Matriculation	2004	Hindi, English, Science, Social Science, Maths, Drawing	Uttar Pradesh Board	I st Division (61%)

Title of Ph.D. Thesis: “Studies on morphology, diversity and colonization ability of *Pteris vittata* L. under supervision of Dr. P. B. Khare, Former Chief Scientist and Area Coordinator, Plant Diversity, Systematic and herbarium, CSIR-NBRI, Lucknow and Prof. L. M. Tewari, Kumaun University as co- supervisor. from Kumaun University in 2019.

RESEARCH EXPERIENCE

S.No.	Position Held	Name of Institution	From	To	Pay scale	Nature of appointment
1.	Project Assistant (Level-II)	CSIR-National Botanical Research Institute	23/04/2013	28/02/2015	12000/- Consolidated	Temporary
2.	Project Assistant (Level-III)	CSIR-National Botanical Research Institute	30/09/2015	31/10/2016	14000/- Consolidated	Temporary

RESEARCH PUBLICATIONS

S.No.	Author (s)	Title	Name of Journal	Volume	page	Year
1.	L. T. Ellis, M. Aleffi, A Segota, V Alegro, A. K. Asthana, R. Gupta and Vishwa Jyotsna Singh... D. Stoncius	New National and Regional Bryophyte records,48	Journal of Bryology	38 (3)	253-259	2016
2.	Vishwa Jyotsna Singh and P.B. Khare	<i>Pteris vittata</i> Linn. become noxious weed in Lucknow and nearby areas	Phytomorphology	67 (3&4)	85-89	2017
3.	A.K. Asthana, Reesa Gupta and Vishwa Jyotsna Singh	Distribution and conservation status of <i>Anthoceros macrospores</i> Steph. (Anthocerotophyta) an endemic and threatened hornwort of India	Current Science	113 (10)	1830-1832	2017
4.	Vishwa Jyotsna Singh and P.B. Khare	Studies on establishment of a population of <i>Pteris vittata</i> Linn.	National Academy of Science Letters	43	103-107	2019

5.	Vishwa Jyotsna Singh , P.B. Khare and L. M. Tewari	Comparative morphology of <i>Pteris vittata</i> Linn. from three Phyto-geographical Regions	Indian Fern Journal	35	130-138	2018
6.	Reesa Gupta, Vishwa Jyotsna Singh , Isha Pathak and A. K. Asthana	In-vitro propagation of sino-Himalayan liverwort <i>Solenostoma schaulianum</i> (Steph.) Vana et. D. G. Long	Geophytology	48(1)	41-46	2018
7.	A. K. Asthana, S. D. Tewari, Vishwa Jyotsna Singh , Isha Pathak and Vinay Sahu	In-vitro conservation strategy for endemic and endangered and Himalayan liverwort <i>Stephensiella brevipendunculata</i> Kashyap (Marchantiophyta)	International Journal of Plant and Environment	4(2)	81-87	2018

BOOK CHAPTER

1. **Singh, V. J.**, Gupta, D., Sahu, V. and Asthana, A. K. 2019. *In vitro* growth pattern of moss *Drummondia stricta* (Mitt.) Mull. Hal. (Orthotrichaceae) in different hormonal concentrations. *Current Trends in Bryology*. pp: 2-9.
2. **Singh, V. J.** and Khare, P. B. 2021. Reproductive diversity and colonization ability of *Pteris vittata* Linn. Article is **accepted** in book (ISBN 978-93-88901) "Pteridology Today and Tomorrow: Relevance to impact on diversity and climate change.

ABSTRACTS PRESENTED IN NATIONAL CONFERENCES

1. **Vishwa Jyotsna Singh** and P. B. Khare 2018. Abstract entitled "Morphological variation in *Pteris vittata* Linn. of different Phyto-geographical regions" in National Symposium on "Pteridological studies in India: Perspectives and modern approaches in relation to environment & climate change" during February 22-23 2018 organised by Botanical Survey of India, Arunachal Pradesh Regional Centre, Itanagar & The Indian Fern Society, Chandigarh.
2. **Vishwa Jyotsna Singh** and P. B. Khare 2017. Abstract entitled "Studies on establishment of a population of *Pteris vittata* Linn." in National Symposium on

“National Symposium on the genomic challenges and opportunities in taxonomy and biology of Indian Pteridophytes” during March 3-4, 2017 organised by Botanical Survey of India, Western Regional Centre, Pune & The Indian Fern Society, Chandigarh.

3. **Vishwa Jyotsna Singh** and P. B. Khare 2017. Abstract entitled “Occurrence of *Psilotum nudum* and *Ophioglossum reticulatum* from Bengaluru, Karnataka” in National Symposium on “National Symposium on the genomic challenges and opportunities in taxonomy and biology of Indian Pteridophytes” during March 3-4, 2017 organised by Botanical Survey of India, Western Regional Centre, Pune & The Indian Fern Society, Chandigarh.
4. **Vishwa Jyotsna Singh**, Deepali Johari, Ajit Pratap Singh and P. B. Khare 2014. Abstract entitled “Regeneration potentiality and mass multiplication of gametophytes in tree fern – *Cyathea spinulosa* Wall. ex Hook” in National Conference on ‘Modern Approaches to Pteridophytes: Biology, Biodiversity and Bioresource’ during December 20-21, 2014 organised by CSIR- Institute of Himalayan Bioresource Technology, Palampur.
5. **Vishwa Jyotsna Singh** and Ajit P. Singh. 2015. Abstract entitled “New Records of Epiphytic Bryophytes from Katarniaghat Wildlife Sanctuary: An Addition to the Bryoflora of Uttar Pradesh” in National Conference on “Cryptogam Research in India: Progress and Prospects” during September 28-29, 2015 organised by CSIR- National Botanical Research Institute, Lucknow.
6. Ajit P. Singh and **Vishwa Jyotsna Singh** 2015. Abstract entitled “Diversity and Bio-Geographical distribution of Bryophytes in Dudhwa National Park, Uttar Pradesh, India” in National Conference on “Cryptogam Research in India: Progress and Prospects” during September 28-29, 2015 organised by CSIR- National Botanical Research Institute, Lucknow.
7. **Vishwa Jyotsna Singh** and Ajit P. Singh. 2013. Abstract entitled “Studies on some Little known Bryophytes (Hepaticae) in Pachmarhi Biosphere Reserve, Madhya Pradesh-India” in XXXVI All India Botanical Conference during October 18-20, 2013 organized by Department of Botany, DDU Gorakhpur University, Gorakhpur.
8. Isha Pathak, **Vishwa Jyotsna Singh**, Vinay Sahu and A. K. Asthana. 2016. Abstract entitled “*In vitro* conservation strategy for an endemic and threatened Indian liverwort *Stephensoniella brevipedunculata* Kashyap (Marchantiophyta) in 37th Annual Meeting of Plant Tissue Culture Association (India) and national Symposium on ‘ Plant Biotechnology for Crop Improvement’ during February 25-27, 2016 organized by

Tissue Culture and Transformation Laboratory, CSIR- National Botanical Research Institute, Lucknow.

VOLUNTEER WORK

- *Participated as a volunteer in “International Conference on New Age Opportunities and Challenges for Quality, Safety and GMPs in Herbal Drug Development” held at CSIR- National Botanical Research Institute (NBRI) from February 22-23, 2019.
- *Participated as a volunteer in “India International Science Festival” held at Indira Gandhi Pratishthan, Lucknow from October 5-8, 2018.
- *Participated as a volunteer in “Climate change, Environmental Pollution and Biodiversity Conservation” held at CSIR- National Botanical Research Institute (NBRI) from February 24-25, 2018.
- *Participated as a volunteer in “Fifth International Conference on Plants and Environmental Pollution” held at CSIR- National Botanical Research Institute (NBRI) from February 24-27, 2015.

Place: Lucknow

VISHWA JYOTSNA SINGH