

## CURRICULUM VITAE

<b>Name:</b> DIPIKA RANA					
<b>Father's Name:</b> Sh. DESH RAJ RANA					
<b>Nationality:</b> Indian					
<b>Permanent Address:</b> 9/9, Pushpa Cottage, V.P.O-Sidhbari, Tehsil- Dharamshala, District-Kangra, H.P-176057					
<b>Email id:</b> <a href="mailto:dipikahfri@gmail.com">dipikahfri@gmail.com</a> ; <b>Mobile No.-</b> 9805925536; 9418097129					
<b>Date of birth:</b> 09/08/1985					
<b>Birth place:</b> Dharamshala, Himachal Pradesh					
<b>State of Domicile:</b> Himachal Pradesh					
<b>Category:</b> General					
<b>Academic and Professional qualifications:</b>					
Degree/ Diploma	Subject(s)	Percentage of marks/ grades	Name of university/ institution	Duration of course	Year of passing
10th	English, Hindi, Maths, Science, Economics, History, Geography	72.70%	Sacred Heart High School, Sidhpur	1 year	2001
12th	Physics, Chemistry, Biology, English, Hindi	62.00%	Kendriya Vidyalaya, Yol	1 year	2003
B.Sc.	Botany, Zoology, Chemistry, Computer Science, Statistics, English	66.00%	Himachal Pradesh Krishi Vishvavidalaya	3 year	2007
M.Sc.	Environmental Sciences	76.30%	Himachal Pradesh Krishi Vishvavidalaya	2 year	2009
Ph. D	Forestry (Forest Ecology and Environment)	—	Forest Research Institute (Dehradun)	5 year	2015
<b>Title of the Ph.D. Thesis:</b> Ecological assessment and prioritization of floristic diversity: developing conservation strategies for Shimla water catchment sanctuary, Himachal Pradesh					

**Title of the M. Sc. Thesis:** Evaluation of Ecological and economic efficiency of an organic farm of Himachal Pradesh

**Fellowships/ Awards/ Distinctions:**

- a.) Merit scholarship in M. Sc. (Environmental Science).
- b.) Qualified ICAR-NET Examination (Environmental Science), New Delhi in 2015.
- c.) Best poster Presentation award (3<sup>rd</sup> Rank) in the National Seminar on Ethnobotany held at Baba Ghulam Shah university (Jammu) in 2018.

**Work Experience:**

- Worked as **Project Assistant** in a Project funded by National Bamboo Mission, Govt. of India entitled 'Ecological Assessment, collection, multiplication, and establishment of clonal banks of superior genotypes of economically important hill Bamboos (*Arundinaria* spp.) in Himachal Pradesh from 01-10-2011 to 31-03-2012.
- Worked as **Project Assistant** in a Project funded by G.B. Pant Institute of Himalayan Environment and Development, Govt. of India entitled '*Prioritization of floristic diversity: developing conservation strategies for important species in Shimla water catchment sanctuary, Himachal Pradesh*' from 01-04-2014 to 30-09-2015.
- Worked as **Research Associate-I** in a Project funded by Department of Science and Technology, Govt. of India entitled '*Traditional Knowledge System- Network Programme on Convergence of Traditional Knowledge System for sustainable development in the Indian Himalayan Region*' from 01-04-2016 to 31-03-2019 at CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh.
- Worked as **Research Associate-II** in a Project funded by Department of Science and Technology, Govt. of India entitled '*Traditional Knowledge System- Network Programme on Convergence of Traditional Knowledge System for sustainable development in the Indian Himalayan Region*' from 01-04-2019 to 31-03-2020 at CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh.
- Have undergone six month course work on Forestry, Statistics and Basic Computers at Forest Research Institute, Dehradun, Uttarakhand, 2011.
- Well versed with forestry techniques including field survey, ecological assessment, identification of species, measurements and assessment techniques etc.
- Have undertaken field surveys to various remote areas of Himalaya, documentation of information, data entry, and analysis. Preparation of reports, research articles, presentations, and deliverables to students visiting institute.

**Publications:**

- **Research Papers**

1. **Dipika Rana**, Kulraj Singh Kapoor, & Anupam Bhatt (2021). Application and interpretation of various vegetation indices for understanding the forest community structure in the Western Himalayan region of India: implications for conservation and management. *Environment, Development and Sustainability* (under revision Impact factor-2.2).
  2. **Dipika Rana**, Kulraj Singh Kapoor, Sher Singh Samant, & Anupam Bhatt (2020). Plant Species Conservation Priority Index for Preparing Management Strategies: A case study from the Western Himalayas of India. *Small-Scale Forestry*, 19, 461-481. (SCI-1.453)
  3. **Dipika Rana**, Anupam Bhatt, Brij Lal, & Sanjay Kr. Uniyal (2021). Taking a leaf from *Jantri* for traditional medicament- an ancient manuscript in *Tankri*. *Indian Journal of Traditional Knowledge* (Accepted for publication in December 2020). (SCI-0.731)
  4. **Dipika Rana**, Anupam Bhatt, Brij Lal, Om Prakash, Amit Kumar, & Sanjay Kr. Uniyal (2020). **Use of medicinal plants** for treating different ailments by the indigenous people of Churah subdivision of district Chamba, Himachal Pradesh, India. *Environment, Development & Sustainability*. (SCI-2.191)
  5. **Dipika Rana**, Anupam Bhatt, & Brij Lal (2019). Ethnobotanical knowledge among the semi-pastoral Gujjar tribe in the high altitude (Adhwaris) of Churah subdivision, district Chamba, Western Himalaya. *Journal of Ethnobiology and Ethnomedicine*, 15(10). (SCI-2.264)
  6. **Dipika Rana** & Anupam Bhatt (2018). Evaluation of socio-economic status of the skilled and unskilled workers of an organic farm of Himachal Pradesh, India- a case study. *Journal of Applied and Natural Science*, 10(2):643-647. (NAAS-4.84)
  7. Haseeb U.R. Masoodi, **Dipika Rana**, Manisha Thapliyal, V.R.R. Singh (2018). A study on phonological traits of *Abies pindrow* (Royle) Spach. in different sites of Gharwal Himalayas, India. *Journal of Applied and Natural Science*, 10(1): 178-184. (NAAS-4.84)
  8. **Dipika Rana** & Kulraj Singh Kapoor (2014). Assessment of floristic diversity of Shimla Water Catchment Sanctuary, Himachal Pradesh-India. *The Indian Forester*, 141 (12): 1244-1247. (NAAS- 4.38)
  9. **Dipika Rana** & Haseeb Masoodi (2014). Ethno-botanical survey for wild plants in fringe villages around Shimla Water Catchment Sanctuary, Himachal Pradesh, India. *Journal of Applied and Natural Science*, 6 (2): 720-724. (NAAS- 4.84)
  10. **Dipika Rana** & Haseeb Masoodi (2014). Effect of bio-composts on soil fertility status and productivity of organic farm: an approach to promote sustainable agriculture. *Journal of Applied and Natural Science*, 8 (4): 1912-1918. (NAAS-4.84)
  11. **Dipika Rana** & Haseeb Masoodi (2013). Studies on floristic diversity of an organic farm of Himachal Pradesh, India: Transformation of a barren land to a productive niche. *International Journal of Biodiversity Conservation*, 5(12), 810-816.
- **Book chapters**
  - 1.) Brij Lal, **Dipika Rana**, and Anupam Bhatt. (2019). Natural Resource use pattern for self sustenance by the natives of Tissa region of Himachal Pradesh in Western Himalaya, India. In: Ethnobotany, (Ed. Suresh Kumar) Kojo Press, Ansari Road, Daryaganj, New Delhi, India, 2:30-

132-151.

- 2.) **Dipika Rana**, Anupam Bhatt and Brij Lal. (2020) Studies on lifestyle and livelihood options of the Gujjar Tribe of Tissa region of District Chamba, Himachal Pradesh in the Western Himalaya. In: Ethnobotany and Biodiversity Conservation. Indu Book Services Pvt. Ltd., 21 Ansari Road, Daryaganj, New Delhi-110002, 978-93-86754-65-3(212 (HB)), pp.1-9.
- 3.) Garkoti et al. (2018). Contributor in the book entitled Glimpses of traditional societies and their knowledge systems in Indian Himalayan Region. Volume-I. Jawaharlal Nehru University, New Delhi-110067, 80pp.

- **Conference Proceedings**

- 1.) Anupam Bhatt, **Dipika Rana**, Sanjay Kr. Uniyal, Amit Kumar and Brij Lal. (2018). Biodiversity, traditional knowledge and cultural aspects of the native people of Pangi valley, Chamba district, H.P. In: Proceedings of International Biodiversity Congress (Biodiversity: Legal and Knowledge Systems), Forest Research Institute, Dehradun, 4: 1-6.
- 2.) **Dipika Rana**, Kulraj Singh Kapoor and V.R.R. Singh. (2013). Hydrological and Ecological Studies towards Integrated Water Resource Management: A Case Study of Shimla Water Catchment Sanctuary, Himachal Pradesh. In: Asia Pacific Workshop on Forest Hydrology. Water and Forests: Beyond traditional Forest Hydrology. Forest Research Institute, Dehradun, India in association with Asia Pacific Association of Forestry Research Institutions (APAFRI) and Korea Forest Research Institute (KFRI), Republic of Korea.

**Participation in Conferences/ Workshops/ trainings:**

- Participated in the IV<sup>th</sup> National Forestry Conference organized by Forest Research Institute at Dehradun from 9-11 November, 2009.
- Participated in the I<sup>st</sup> Indian Forest Congress under the theme ‘Forest Biodiversity & Land Scaping’ organized by Indian council of Forestry Research and Education at NASC Complex, New Delhi from 22-25 November, 2011.
- Presented Paper in the Asia Pacific Workshop on *Water and Forests-Beyond Traditional Forest Hydrology* 23-25 September 2013 organized by Forest Research Institute (FRI), Dehradun, India in association with Asia Pacific Association of Forestry Research Institutions (APAFRI) and Korea Forest Research Institute (KFRI), Republic of Korea at FRI, Dehradun, India.
- Presented paper in the ISTS-IUFRO conference on “*sustainable resource management for climate change mitigation and social security*” from March 13-15, 2014, organized at IT park, Chandigarh.
- Attended “National seminar on role of technology in enhancing bamboo use” on 26<sup>th</sup> Nov., 2014 held in Uttarakhand, India, organized by the Forest Research Institute, India.
- Presented poster in “XIII Silviculture Conference” from Nov. 24<sup>th</sup> to 28<sup>th</sup>, November 2014, held in Forest Research Institute, Uttarakhand, India.
- Attended workshop cum training on “*Climate change and Youth in the Indian Himalayan*

*Region”* held at GB Pant Institute, Kullu from 1-3 December 2014.

- Participated in the three days training programme entitled “बंजर भूमि पारिस्थितिक पुनः स्थापन” held at Himalayan forest research institute from 29 to 31 December 2014 and organized by MoEF&CC, Govt. of India, New Delhi.
- Presented a poster in the National Seminar on ‘Ethnobotany and Traditional Knowledge in Biodiversity Conservation’ organized by Dept. of Botany at Baba Ghulam Shah University Rajouri, Jammu in collaboration with Indian Council of Social Science Research, New Delhi on 8-9 March 2018.
- Presented a research paper in the International Biodiversity Congress on ‘Biodiversity, traditional knowledge and cultural aspects of the native people of Pangi valley, Chmaba district, H.P.’ held at Forest Research Institute, Dehradun, India on 4-6 October 2018.
- Participated in the regional webinar on ‘Promoting Medicinal and Aromatic plants sector for sustainable development under post COVID-19 scenario in the Western Himalaya’ organized by G.B. Pant National Institute of Himalayan Environment, Kosi- Katarmal, Almora, Prof. YPS Pangtey Research Foundation, Nainital, Dept. of Botany, Kumaun University, Nainital, on August 28<sup>th</sup> 2020.
- Participated in the National Webinar Series Lecture organized by Ministry of Environment, Forest and Climate Change, Govt. of India, High Altitude Western Himalayan Regional Centre, Nauni Campus, Solan, (H.P.) on the topic ‘Alien Invasion in India: status and consequences on 17<sup>th</sup> December 2020.

**Extra co-curricular activities:**

- Participated in NSS Annual special camp organized by CSKHPKV, Palampur from 23<sup>rd</sup> April to 2<sup>nd</sup> May 2007.
- Certificate course for participation in counseling workshop on ‘Personality development, public relations, and entrepreneurship’ on November 2-5 2007 at CSKHPKV, Palampur.
- Six month certificate course in Basic Forestry, Computer Applications and Basic Statistics.
- Certificate of merit (3<sup>rd</sup> position) for participation in the University Athletic meet (100 Meters) for the year 2005-06 from the college of Basic Sciences, CSKHPKV, Palampur, H.P.

**Names, designations, address and email id of the referees:**

i.) Dr. Brij Lal, Retd. Chief Scientist & Head, High Altitude Biology Division, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh-176061

**Email id:** brijihbt@yahoo.co.in

ii.) Dr. Kulraj Singh Kapoor, Retd. Scientist-G & Head, Himalayan Forest Research Institute, Shimla, Himachal Pradesh

**Email id:** kulrajkapoor@yahoo.com

**Declaration:**

I certify that to the best of my knowledge and belief that particulars given in the application form are correct.

A handwritten signature in blue ink that reads "D. Rana". The signature is written in a cursive style and is underlined with a single horizontal line.

Place: Dharamshala

Full signature of candidate

Date: 01/02/2021

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