


Curriculum Vitae

Full Name:	DR. VIJAY KANT PUROHIT			
Designation:	Senior Scientific Officer			
Department:	High Altitude Plant Physiology Research Centre (HAPPRC)			
Campus:	Birla Campus, Srinagar			
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Education Qualification:	Ph.D. (2003), in Plant Physiology from HNB Garhwal University			
Teaching Experience:	06 Years	Research Experience:	16 Years	
Research Interest and Fields of Specialization				
1. Plant Propagation and Conservation Biology				
Honours & Awards				
Uttaranchal Herbal Expo-Prize 2005 : Represented GB Pant Institute of Himalayan Environment & Development with a team and received third prize for excellent research and development contribution in the area of medicinal plants cultivation and conservation by Institute (R. K. Maikhuri, V.K. Purohit , R.K. Agnihotri and Arvind Bhatt).				
Member of Academic Institutions				
Membership of Scientific Organizations				
Global Science and Technology Forum (GSTF)				
Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered) - 02				
Research Projects/MoU undertaken				
1. Standardization of large scale propagation and technology intervention for cultivation of <i>Nardostachysjatamansi</i> : a critically endangered high value medicinal herb of higher Himalaya (Cost: 22 Lakh; NMPB, Govt. of India funded):- PI (Completed) .				
2. Establishment of Model Nursery of Tejpat under RastriyaJari-Buti Mission (Cost; 15.25 Lakh; SMPB HRDI, Govt. of Uttarakhand funded):- PI (Completed) .				
3. Development and standardization of large scale propagation and multiplication method for cultivation and conservation of <i>Angelica glauca</i> (Choru) and <i>Swertiachirayita</i> (Chirata): High Valued RET plants (Cost: 9.30 Lakh; USB, Govt. of Uttarakhand funded):- PI (Completed) .				
4. Establishment of Model Nursery of Tagar/Samewa (<i>Valerianajatamansi</i>) and Pushkarmool (<i>Inularacemosa</i>) under RastriyaAushdiyaPadap Mission (Cost: Rs. 20.0 Lakh, SMPB/HRDI, Govt. of Uttarakhand funded):- Co-PI (Ongoing) .				
5. Establishment of Model Nursery of Kutki(<i>Picrorhizakurroa</i>) and Sea buckthorn (<i>Hippophaerhamnoides</i> , Amesh) under RastriyaAushdiyaPadap Mission (Cost: Rs. 20.0 Lakh, SMPB/HRDI, Govt. of Uttarakhand funded):- Co-PI (Ongoing) .				
6. Promotion of conservation of <i>Nardostachysgrandiflora</i> (Jatamansi) by focusing extension of propagation technology and development of clusters with particular reference to higher Himalayan region of Uttarakhand (Cost Rs. 48.82 Lakh, National Medicinal Plant Board (NMPB), Govt. of India funded):- PI., SANCTIONED YEAR – 2015 (Ongoing) .				
7. Establishment of gene pool, propagation and ex-situ conservation of selected sensitive high altitude medicinal and aromatic plant species and nature interpretation site (NIS) for creating				

awareness among the various stakeholders (Cost Rs. 2,07,96,000/-, G.B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora, Uttarakhand sanctioned research and developmental project under National Mission on Himalayan Studies (NMHS) launched by Ministry of Environment, Forest and Climate Change (MoEF&CC), Govt. of India funded):- **PI-II, SANCTIONED YEAR – 2016 (Ongoing).**

Administrative Experience

Served as Chief Prefect, Scholars Hostel and In-charge, campus maintenance and beautification committee at G.B. Pant Institute of Himalayan Environment & Development, Kosi-Katarmal, Almora and its Unit Srinagar Garhwal. Administratively look over the developmental work of partner NGOs worked with District Management Unit (DMU) of ULIPH, Govt. of Uttarakhand programme at Chamoli District, Uttarakhand and Officer In-charge, Institute of Medicinal and Aromatic Plants, Gairsain under VCSG, UUFH, Bharsar, Pauri (Garhwal), Uttarakhand (1/6/2015-30/9/2015). At present looking over charge of functioning of plant tissue culture laboratory, Green house, Alpine Research Centre, Tungnath, Herbal Garden, Pothibasa, Nature Interpretation Site (NIS) & Germplasm Conservation Centre, Baniyakund, Chopta and Model Nursery, Lumkundi, Kulsari, and also actively engaged in purchasing and administrative committee of the HAPPRC as one of the member.

Scientific Visits Abroad/International Collaboration

Singapore (17-20 March 2013), Nepal (13-20 July 2014), Nepal (21-22 February, 2017)

Conference/Symposium/Workshop Attended during last five years (2014-2019)

International

Attended/Presented Paper/Invited Talk/Keynote Address/Session Chair, Title of event, place, date, year – **01**

Attended "Inception Meeting of HIMALICA-HUC Higher Education for Mountain Agriculture Work Group, ICIMOD, Kathmandu, Nepal, **21-22 February, 2017.**

National - 02

1. Attended "National Conference on Environmental Constraints, Conservation and Resource Development of Medicinal Plants for Health & Societal Benefits". Jointly organized by Doon University, Dehradun, Society for Conservation and Resource Development of Medicinal Plants (SMP), Delhi, SSCE, Delhi and Professor H.S. Srivastava Foundation for Science and Society, Lucknow, **21-23 March, 2014** at Doon University, Dehradun.

2. Attended "National Seminar-Cum-M&E workshop" organized by GBPNIHESD, Ministry of Environment, Forest and Climate Change (MoEF&CC) at Kosi-Katarmal, Almora, **4-7 February 2019.**

Conference/Symposium/Workshop Organized during last five years (2014-2019)-01

Chairman/Convener/Organizing Secretary, Title of event, place, date, year

1. Organized one day "induction workshop/ training programme" on available propagation and cultivation practices (Agro-technology), post-harvest techniques in terms of harvesting, grading, packaging and marketing of the MAPs produced under National Medicinal Plants Board (NMPB), Govt. of India funded R&D project. **16 March 2016.**

2. Organized two days "induction workshop/ training programme" on Current Status of High Altitude Medicinal and Aromatic Plants under National Mission on Himalayan Studies (NMHS) launched by Ministry of Environment, Forest and Climate Change (MoEF&CC), Govt. of India through G.B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora, Uttarakhand funded R&D project. **27-28 February, 2017.**

3. Organized one day awareness workshop/plants distribution programme on the occasion of JodiButiDiwas for Students, Teachers, Villagers/Farmers and leaders (420 no.) at **Govt. Inter College, Chuanghat, Ramni, Ghat, district Chamoli under National Mission on Himalayan**

Studies (NMHS) Scheme of Govt. of India. (4/8/2017).

4. Organized one day awareness workshop/plants distribution programme organised on the occasion of Swatantrata Divash for Students, Teachers, Villagers/Farmers and leaders (573 no.) **at Swatantrata Sangram Sainane late Chandra Singh Adhikari Govt. Inter College Soopi, Kapkot, District, Bageshwar under National Mission on Himalayan Studies (NMHS) Scheme of Govt. of India. (15/8/2017).**

5. Organized one day field level awareness workshop/ plants distribution, plantation Programme **at Chopta, district Rudrapur for Students, Teachers, Villagers/Farmers and leaders (133 no.) under National Medicinal Plants Board (NMPB) funded R&D project. 26/8/2017.**

6. Organized one day field level workshop/plants distribution programme for Villagers/Farmers and leaders (76 no.) **at Taluka (Harkidun), Cluster, Mori Uttarkashi under National Mission on Himalayan Studies (NMHS) Scheme of Govt. of India. 29/8/2017**

7. Organized one day field level workshop/plants distribution programme for Villagers/Farmers and leaders (60 no.) **at Koti Gangtadi Cluster of Badkot, Uttarkashi under National Mission on Himalayan Studies (NMHS) Scheme of Govt. of India. 30/8/2017.**

8. Organized one day field level workshop/plants distribution programme for Villagers/Farmers and leaders (65 no.) **at Dugtu Cluster, Dharchula, Pithoragarh under National Mission on Himalayan Studies (NMHS) Scheme of Govt. of India. 13/9/2017.**

9. Organized one day field level workshop/plants distribution programme for Villagers/Farmers and **at Wan, Dewal Cluster, Chamoli, Uttarakhand under National Medicinal Plants Board (NMPB) funded R&D project. 15/9/2017.**

10. Organized two days induction workshop/training programme farmers/villagers (89 no.) of different high altitude villages of different districts of Uttarakhand under National Mission on Himalayan Studies (NMHS) Scheme of Govt. of India. **27-28/2/2017.**

11. Organized two days farmers conference on "Cultivation to Conservation" of Medicinal and Aromatic Plants of Higher Himalaya under National Mission on Himalayan Studies (NMHS) Scheme and National Medicinal Plants Board (NMPB), Govt. of India funded R&D projects. **12-13 March 2109.**

Publications during last five years (2014-2019)

Journals

1. P.C. Phondani, I.D. Bhatt, R.K. Maikhuri, B.P. Kothari, A. Bhatt. **V.K. Purohit** and P. Joshi (2019) Exploring Floriculture Potential for Sustainable Livelihood of Subsistence Communities in Indian Himalayan Region. *National Academy of Science Letters*. Vol. February **2019**, Volume 42, Issue 1, pp 39–44 (Impact factor 0.519, ISSN: 0250-541X, print version ISSN: 2250-1754, electronic version).

2. Praveen Joshi, PremPrakash, **V.K. Purohit** and Kuldeep Joshi (**2018**) Bioprospecting of *Paeonia Emodi* for Livelihood Enhancement in Western Himalaya, India. *Envis Bulletin Himalayan Ecology*, Vol 26, 67-70 (ISSN 0971-7447 (P)).

3. Rajeev Ranjan Kumar, **Vijay Kant Purohit**, P. Prasad and Anant Ram Nautiyal (**2018**) Efficient *In Vitro* Propagation Protocol of *Swertia chirayita* (Roxb. ex Fleming) Karsten: A Critically Endangered Medicinal Plant. *Natl. Acad. Sci. Lett.* <https://doi.org/10.1007/s40009-018-0624-3>. **Volume 41, Issue 2, pp 123–127**

4. Praveen Joshi, PremPrakash, **V.K. Purohit** and V. Bahuguna (2017) *Paeonia emodi*: A review of multipurpose wild edible medicinal plant of Western Himalaya. *International Journal of Advanced Research (IJAR- Cross Ref. Indexed Journal)*. 5(12), 480-486. (ISSN 2320-5407A).

5. **Purohit V.K.**, Nautiyal M. C., Nautiyal A. R. and Gairola K. C. (2016) Successful cultivation of highly valued and endangered medicinal herb Kutki (*Picrorrhizakurooa*): A Case study from Ghesh village of Uttarakhand Himalaya. *Medicinal Plants - International Journal of Phytomedicines and Related Industries*. Vol. 8 (3): 207-212 (Print ISSN : 0975-4261, Online ISSN : 0975-6892).

6. Keshav Chandra, **Vijay Kant Purohit** and Harish Chandra Andola (2015) *Paris polyphylla* Smith: a medicinally important plant species is in high risk in Himalayan region. *Medicinal Plants - International Journal of Phytomedicines and Related Industries*. Vol 7 (4): 292-295 (Print ISSN : 0975-4261, Online ISSN : 0975-6892).

7. Kumud Saklani, Sandeep Singh, **Vijay K. Purohit**, P. Prasad and A. R. Nautiyal (2015) *In vitro* propagation of Rudraksha (*Elaeocarpus phaericus* (Gaertn.) K. Schum): a biotechnological approach for conservation. *Physiology and Molecular Biology of Plants*,

21(4):611-15. doi: 10.1007/s12298-015-0316-0.

8. Vijay Kant Purohit, Harish Chandra Andola, Keshav Chandra Gairola, Deepti Tiwari, Yateesh Mohan Bahuguna and Kusum Arunachalam (2015) Variation of Essential oil composition in *Angelica glauca* Edgew. Roots; Collected from two different geographical locations of Garhwal Himalaya. *National Academy of Science Letters*, 38 (5): 445–447, doi:10.1007/s40009-015-0395-z (ISSN 0250-541X).

9. Sandeep Singh, Vijay K Purohit, P Prasad and A R Nautiyal (2015) Micropropagation of *Valerianawallichii* DC. (Indian Valerian) through nodes. *Indian Journal of Biotechnology*, Vol 14, pp 127-130. (**Impact Factor : 0.510, ISSN: 0975-0967**)

10. Andola H.C., V.K. Purohit, R.S. Chauhan and Kusum Arunachalam (2014) Standardize quality standards for aromatic hydrosols. *Medicinal Plants - International Journal of Phytomedicines and Related Industries*. Vol 6 (3): 161-162 (**Print ISSN : 0975-4261, Online ISSN : 0975-6892**).

Proceedings/Book Chapter

Vijay Kant Purohit, Harish Chandra Andola and Keshav Chandra Gairola (2014) Sea Buckthorn (*Hippophae rhamnoides* Linn.): A key stone Species for economic and ecological development of higher Himalayan Region of Uttarakhand. Proceedings of the national seminar on Uttarakhand disaster: Contemporary issues of climate change & development with holistic approach, U.S. Rawat & V.P. Semwal (eds), Winsar Publishing Co. Dehradun, pp. 155-166 (**ISBN-978-81-86844-58-8**).

Books -

Total Number of Research Publications:

Published research papers: **50** (Papers with Impact factor and ISSN: **26**; Papers with only ISSN: **24**)

Papers published as first author: **20**
Papers published as second author: **13**
Papers published as third author: **5**
Papers published as fourth author: **3**
Papers published as fifth author: **6**

Published chapters in edited Book/Proceedings: **9** (Chapter in Books with ISBN: **7**; Chapter in Books without ISBN: **2**)

Published popular articles: **9**

Published Technology training manuals: **3**

(V. K. Purohit)