


Curriculum Vitae

Full Name:	DR. ASHA		
Designation:	ASSISTANT PROFESSOR		
Department:	BOTANY		
University:	UNIVERSITY OF LUCKNOW, LUCKNOW, INDIA		
Mobile:	9839692455		
Email	lko.asha@gmail.com		
Educational Qualification:	<ul style="list-style-type: none"> ➤ Ph.D. (Botany, 2009) from University of Lucknow, Lucknow through National Botanical Research Institute, Lucknow ➤ M.Sc. (Botany, 1999) from University of Lucknow, Lucknow ➤ B.Sc. (ZBC, 1997) from University of Lucknow, Lucknow 		
Teaching Experience:	9 Years (at Department of Botany, HNBGU, Srinagar Garhwal since July 4, 2013 to July 5, 2022)	Research Experience:	12 Years (including Ph.D.)
Research Interest and Fields of Specialization			
<ol style="list-style-type: none"> 1. Plant Molecular Biology 2. Plant Biochemistry (phytochemical screening of plants) 			
Honours & Awards			
<ol style="list-style-type: none"> 1. Selected as Assistant Professor in Department of Medicinal & Aromatic Plants (HAPPRC), School of Agriculture and Allied Sciences, HNB Garhwal University, Srinagar (Garhwal), Uttarakhand, India in June 2013. 2. DBT-Research Associate (2009- 2011) at CIMAP, Lucknow. 3. Research fellowship from the CSIR (JRF and SRF), Govt. of India from 2002-2007 for pursuing Ph.D. 4. Awarded Joint CSIR-UGC NET for JRF and Lectureship in 2002. 			
Conference/Symposium/Workshop Attended			
International			
<ol style="list-style-type: none"> 1. Oral presentation entitled “Phytochemical screening of some herbaceous plants from Srinagar Garhwal” at the National Conference on Current Scientific Innovations and Research in Plant Biology (CSIR-PB) 2022 held at Department of Botany, Akal College of Basic Sciences, Eternal University, Baru Sahib, Sirmaur, H.P. on May 27-28, 2022. 2. International Webinar on “Microbial diversity: from health to environment” organized by Department of Botany and Microbiology, H.N.B. Garhwal University, Srinagar Garhwal, Uttarakhand on June 27, 2020. 3. Oral presentation entitled “Phytochemical screening of some important medicinal plants of Srinagar Garhwal” at the International Conference on Aerosols, Air Quality & Climate Change on Himalayan Region of Uttarakhand (AAC-2018) held at H.N.B. Garhwal University, Srinagar Garhwal, Uttarakhand, October 21-23, 2018. 4. Oral presentation entitled “Chromosome study of the medicinal plants of Uttarakhand: Initial steps in biological natural resource engineering” at the International Conference on Recent Research in Biomedical Engineering, 			

Biochemistry, Bioethics, Bioinformatics, Cancer Biology, Stem Cells and Applied Biotechnology held at JNU, New Delhi on May 20, 2017.

5. **Asha** and Neelam S. Sangwan (2010) Cloning of triterpenol synthase gene from *Withania somnifera* Dunal presented at The International Symposium on Current Status and Opportunities in Aromatic and Medicinal Plants (AROMED) held at CIMAP, Lucknow from Feb 21-24, 2010.
6. **Asha** and Neelam S. Sangwan (2009) *In silico* analysis of cycloartenol synthase gene, a key metabolic diversification step of the pentacyclic triterpenoid pathway to seek its role in withanolide biosynthesis in Indian medicinal plant ashwagandha (*Withania somnifera*)” presented at SOL2009 Conference held at New Delhi from November 8-13, 2009. I was a Rapporteur in the Satellite Session on Secondary Metabolism.
7. **Asha**, Vidhu A. Sane and Pravendra Nath (2005) Role of expansin gene family in banana fruit ripening. In Proceedings of International Conference on Plant Genomics & Biotechnology: Challenges & Opportunities held at Department of Biotechnology, Indira Gandhi Agricultural University, Raipur, Chhattisgarh from October 26-28, 2005.

National

1. Participated in National Webinar on “Mass spectrometry in natural products research” organized by Department of Botany and Microbiology, H.N.B. Garhwal University, Srinagar Garhwal, Uttarakhand on June 24, 2020.
2. Participated in One Week National Workshop on “Research Methodology” held at Faculty Development Centre, H. N. B. Garhwal University, Srinagar (Garhwal), Uttarakhand, December 10-16, 2018.
3. Participated in One Day University level Conference on occasion of World Tuberculosis Day organized by Department of Botany and Microbiology, H.N.B. Garhwal University, Srinagar Garhwal, Uttarakhand on March 24, 2018.
4. Participated in One Day National Workshop on “Intellectual Property Rights (IPR)” held at Department of Pharmaceutical Chemistry, H. N. B. Garhwal University, Srinagar (Garhwal), Uttarakhand, November 17, 2018.
5. Participated in a Short-Term Course on “Open Educational Resources in Higher Education” held at Faculty Development Centre, H. N. B. Garhwal University, Srinagar (Garhwal), Uttarakhand, September 04-09, 2017.
6. Participated in Winter School (Refresher Course) held at UGC-HRDC, University of Lucknow, Lucknow, December 09-31, 2016.
7. Participated in Orientation Programme-122 held at UGC-HRDC, University of Lucknow, Lucknow, December 01-31, 2015.
8. Participated in National Conference on Microbes in Extreme Environments: Diversity and Translational Applications held at H.N.B. Garhwal University, Srinagar Garhwal, Uttarakhand, October 30-31, 2015.
9. Participated in National Symposium on Improving Crop Productivity in an

Ecofriendly Environment: Physiological and Molecular Approaches held at G. B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal, October 15-17, 2003.

10. Participated in National Conference on Biodiversity and Applied Biology of Plants held at Department of Botany, University of Lucknow, Lucknow from October 8-10, 2003.

Publications

Journals

1. Qualitative Analysis and Determination of Total Phenolic And Total Flavonoid Content Of Needles Of *Pinus roxburghii* From Srinagar Garhwal (2022) Preeti Nirala, **Asha**, J. Mountain Res. P-ISSN: 0974-3030, E-ISSN: 2582-5011 DOI:<https://doi.org/10.51220/jmr.v17i1.13>. Vol. 17(1), (2022), 97-103
2. Determination of total phenolic and flavonoid contents and antioxidant activity of the stem of *Achyranthes aspera* L. from garhwal Himalaya (2021) Seema Devi , **Asha**, International Journal of Botany Studies Nov 2021, 6(6), 280-284.
3. Ethnomedicinal Plants Used in the Health Care System: Survey of the Mid Hills of Solan District, Himachal Pradesh, India. Manoj Kumar, Radha, Himani Devi, Suraj Prakash, Sonia Rathore, Mamta Thakur, Sunil Puri, Ashok Pundir, Sneha Punia Bangar, Sushil Changan, Tamilselvan Ilakiya, Mahesh Kumar Samota, Rahul D. Damale, Surinder Singh, Mukesh K. Berwal, Sangram Dhumal, Anilkumar G. Bhoite, Anshu Sharma, Marisennayya Senapathy, Bharat Bhushan, Vineet Kumar Maurya, **Asha**, Suman Natta, Ryszard Amarowicz and Mohamed Mekhemar, Plants, 5 September 2021; 10(9); 10.3390/plants10091842 (Impact Factor 3.935)
4. Role of Expansin Genes in Softening of Fruits During Fruit Ripening, **Asha**, Int J Pharma Bio Sci 2017 July; 8(3): (B) 945-953, 2017.
5. RNAi and Homologous Over-Expression Based Functional Approaches Reveal Triterpenoid Synthase Gene-Cycloartenol Synthase Is Involved in Downstream Withanolide Biosynthesis in *Withania somnifera*, Mishra S., Bansal S., Mishra B., Sangwan R.S., **Asha**, Jadaun J.S., Sangwan N.S., PLoS One, Volume 11 (2), e0149691, 2016 (Impact Factor 3.234)
6. Tiwari, P.; Sangwan, R.S.; **Asha**; Mishra, B.N.; Sabir, F.; Sangwan, N.S. (2014) Molecular Cloning and Biochemical Characterization of a Recombinant Sterol 3-O-Glucosyltransferase from *Gymnema sylvestre* catalyzing Biosynthesis of Steryl Glucosides. (BioMed Research International, Volume 2014, Article ID 934351, 14 pages). Impact Factor 2.706
7. **Asha**; Sane, V.A.; Sane, A.P.; Nath, P. (2007) Multiple forms of α -expansin genes are expressed during banana fruit ripening and development. (Postharvest Biology and Technology, 45 (2), 184). Impact Factor: 2.223

Book Chapters

1. Seema Devi and **Asha*** (2020) *Achyranthus aspera*: A review on medicinal properties and phytochemical constituents. Chapter 20. In: Alok Sagar Gautam (Ed.) *Recent advancements in Sciences with special reference to Himalaya*.

Ancient Publishing House, Delhi, India. (pp. 221-229) ISBN: 978-93-84866-91-4.

2. Preeti Nirala and **Asha*** (2020) *Pinus roxburghii*: A review on medicinal and economic properties. *Chapter 21. In: Alok Sagar Gautam (Ed.) Recent advancements in Sciences with special reference to Himalaya*. Ancient Publishing House, Delhi, India. (pp. 230-239) ISBN: 978-93-84866-91-4.
3. Yadav S, Mishra AP, Kumar S, Negi A, **Asha**, Maurya VK. (2020) Herbal Wound Healing Agents. *Chapter-08. In: Egbuna C, Mishra AP, Goyal M. (Eds). Preparation of Phytopharmaceuticals for the Management of Disorders: The Development of Nutraceuticals and Traditional Medicine (Part-I: Phytopharmaceuticals and Technology)*. Academic Press, Elsevier (pp. 169-184) ISBN: 978-0-12-820284-5.

References

1. Dr. Vivek Prasad
Department of Botany
University of Lucknow
Lucknow- 226007
Uttar Pradesh, India
Phone: +91-9839122050
E-Mail: vivprasad@yahoo.com
2. Prof. C. M. Sharma
Head
Department of Botany and Microbiology
H.N.B. Garhwal University
Srinagar Garhwal- 246174
Uttarakhand, India
Phone: +91- 9412079937
E-Mail: sharmacmin@gmail.com