

## Curriculum Vitae

<b>Full Name:</b>	DR. POOJA SAKLANI			
<b>Designation:</b>	Associate Professor			
<b>Department</b>	Department of Biotechnology			
<b>Campus:</b>	Chauras / Srinagar			
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<b>Email</b>	poojasaklani@rediffmail.com			
<b>Education Qualification:</b>	Ph.D., G. B. Pant University of Agriculture & Technology			
<b>Teaching Experience:</b>	16 Years	<b>Research Experience:</b>	20 Years	
<b>Research Interest and Fields of Specialization</b>				
<ol style="list-style-type: none"> <li>1. Plant Biotechnology</li> <li>2. Medicinal plant, Natural products</li> <li>3. Green synthesis of Nanoparticles and their application</li> </ol>				
<b>Honours &amp; Awards: - Nil</b>				
<b>Member of Academic Institutions: - Nil</b>				
<b>Membership of Scientific Organizations: -</b>				
Indian Science Congress Association (Life Member).				
<b>Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered)</b>				
04 (Awarded), 01 (Registered)				
<b>Research Projects/ MoU undertaken</b>				
<ul style="list-style-type: none"> <li>• Effect of altitudinal variation on antioxidants, forskolin content and Genetic diversity of <i>Coleus forskohlii</i> from Uttarakhand and exploration of its anti-ageing potential, UTTARAKHAND Council for Biotechnology (2017-2021)</li> <li>• As head of the department Biotechnology played instrumental role in finalizing Memorandum of Understanding (MoU) between Regional Center for Biotechnology (RCB), Faridabad and HNBBGarhwal University (A Central University), Uttarakhand</li> </ul>				
<b>Administrative Experience</b>				
<ol style="list-style-type: none"> <li>1. Worked as Warden Girls' Hostel (2011-2019)</li> <li>2. Worked as NSS Program Officer (2013-2016)</li> <li>3. Member Proctor Board (2019-2022)</li> <li>4. Member of DSW Board (Feb-Oct 2022)</li> <li>5. Convenor of BoS Biotech (June 21-Feb 23)</li> <li>6. .Head department of Biotechnology (June 21-Feb 23)</li> </ol>				
<b>Scientific Visits Abroad/ International Collaboration: - Nil</b>				
<b>Conference/Symposium/Workshop Attended during last five years (2014-2019)</b>				
<b>International</b>				

1. Participated and presented paper entitled "Active body and relax mind can lead to success" in **International seminar on "Yoga for Youth"** organized by HNBGU on 30 Jan 2015.
2. Participated and presented paper entitled "Phytochemical composition and antioxidant activity of *Reinwardtia indica* from selected locations of Uttarakhand" in **7<sup>th</sup> International Conference on Management, Engineering, Science, Humanities and Technology** held in Bangalore on 25<sup>th</sup> October 2015.
3. Participated in "**International Workshop-Training Program on Climate Change, Himalayan Glaciology & Glacio-Hydrological Modelling**" organized by Himalayan University Consortium at Department of Environmental Sciences, HNBGU during 6-8 Sept, 2016.
4. Delivered a talk on the topic of "**GREEN SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF SILVER NANOPARTICLES OF MEDICINAL PLANTS**" as *Invited Speaker* in the 6th International Conference on Recent Advances in Science (ICRAS-2022) held at Invertis University, Bareilly in online mode on 1st & 2nd April 2022.

#### **National**

1. Participated in National conference cum workshop on "**Molecular modelling and drug design**" organized by M.D.University Rohtak during March 20-21, 2015.
2. Attended and presented a poster entitled "Potential use of *Reinwardtia indica* extract as antibacterial agent" in **National conference on Microbes in extreme environment Diversity and Translational applications (MEEDTA-2015 )** during 30-31 October 2015 at HNB Garhwal University
3. Attended and presented a oral presentation entitled "Exploring the medicinal properties of *Ribes grossularia* leaf extracts by phytochemical screening and antioxidant activity" in Utra Bio- Fest 2016 **National conference on "Natural Resource Management Avenues and Application (NRMAA)** held at Uttranchal College of Bio-medical Science and Hospital DDun, during 18 &19 Mar 2016.
4. Participated in a One day workshop on "**Analysis of Food Testing Parameters**" at Centre of Excellence for Mountain Biology (CEMB), Uttarakhand Council for Biotechnology (UCB) on Nov 27<sup>th</sup> 2016.
5. Actively participated in organizing and delivered a lecture on DNA Day at Department of Zoology and Biotechnology, HNBGU during 23-25<sup>th</sup> April 2017.
6. Participate and presented oral presentation entitled "Quantitative estimation of some secondary metabolites and enzymatic antioxidant potential of *Reinwardtia indica*" in **National Conference on Perspective in Natural and applied sciences** organized by Uttaranchal (P.G.) College, Dehradun held on 9-10<sup>th</sup> March 2018.
7. Presented a paper entitled "Phytochemical finger printing of *Coleus forskohlii* by HP-TLC" in 1<sup>st</sup> **Annual Conference of Himalayan Action Research & Development** at Department of Chemistry (BGR Campus) HNBGU during 29&30<sup>th</sup> Oct 2018.
8. Delivered a lecture on "Work Ethics in an Organization on 24 Dec 2021 in DBT, New Delhi and UCOST, Dehradun sponsored Skill Vigyan Program organized by HNB Garhwal University
9. Delivered a lecture on " Flora of Uttarakhand and its prospects in development of entrepreneurship" in one week long festival of Science & Technology Vigyan Sarvatra Pujyate jointly organized by HNBGU and UCOST, Uttarakhand

**Conference/Symposium/Workshop Organized during last five years:** Coordinated Entrepreneurship Development Program on Biotechnology on 27 & 28 Feb 2023 organized by BCIL and UCB Uttarakhand in collaboration with HNBGU

**Publications during last five years (2014-2019)**

**Journals**

1. Mehta, S., Rana, P.S., & Saklani, P. (2017). Phytochemical screening and TLC profiling of various extracts of *Reinwardtia indica*. *International Journal of Pharmacognosy and Phytochemical Research*, 9(4), 523-527. <https://doi.org/10.25258/phyto.v9i4.8125>
2. Semwal, A.C., Saklani, P., & Mathuria, Y.P. (2017). [Urinary tract infection among children and adolescents of Garhwal Region of Uttarakhand, India](#). *African Journal of Microbiology Research*, 11(36), 1392-1398. <https://doi.org/10.5897/AJMR2016.8072>
3. Semwal, A. C., Mathuria, Y. P., & Saklani, P. (2017). Study of antibiotic resistance pattern in uropathogens at a tertiary care hospital. *Annals of International Medical and Dental Research*, 3(5), 1-6. <https://doi.org/10.21276/aimdr.2017.3.5.mb1>
4. Chandel, C., Sharma, V.K., Saklani, P., Dabral, M., Malwiya, M., Raj, K., Nalla, M.K., Prakash, C. and Dey, S.S (2017). Antifungal activity of cytoplasmic male sterile lines of pepper against *Phytophthora*. *Vegetos-An international journal of plant research*. 3(4), 1-4. <https://doi.org/10.4172/2229-4473.1000362>
5. Chandel, C., Sharma, V. K., Rana, P. S., Dabral, M., Agrawal, S., & Saklani, P. (2020). Assessment of antimicrobial and antioxidant potential of cytoplasmic male sterile lines of pepper. *SN Applied Sciences*, 2(7). <https://doi.org/10.1007/s42452-020-2902-1>
6. Rana, P. S., & Saklani, P. (2019). Analyzing effect of altitudinal variation in enzymatic antioxidants of *Coleus forskohlii* from Uttarakhand, India. *PCMB Plant Cell Biotechnology and Molecular Biology*;20 (9&10):442-450.<https://doi.org/10.1101/662528>
7. Rana, P. S., Saklani, P., & Chandel, C. (2020). Analyzing the effects of altitudes on the metabolic diversity and Forskolin content in *Coleus forskohlii* roots by HPTLC and HPLC. *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology*, 156(2), 323-329. <https://doi.org/10.1101/2020.04.15.041970>

8. Saklani, P., Rana, P.S., & Chandel, C. (2020). Influence of altitude on secondary metabolites and antioxidant activity of *Coleus forskohlii* root extracts. *Research Journal of Medicinal Plants*, 14(2), 43–52. <https://doi.org/10.3923/rjmp.2020.43.52>
9. Saklani, P., Rana, P.S., Chandel, C., Mehta, S., & Thakur, R. (2021) Assessment of enzymatic antioxidant and antimicrobial potential of *Reinwardtia indica* from Garhwal region of Uttarakhand. *Research Journal of Biotechnology*, 16(2) 110-115.
10. Semwal, A. C., Rana, P. S., & Saklani, P. (2021). Sensitivity and resistivity pattern of some commonly used antibiotics against urinary tract infection (UTI) among elderly individuals from Garhwal region of Uttarakhand, India. *Journal of Mountain Research*, 16(3), 155-162. <https://doi.org/10.51220/jmr.v16i3.16>
11. Saklani, P., Rana, P. S., Rawat, P., & Chandel, C. (2021). Expanding the TLC studies on the unexplored medicinal plant *Reinwardtia indica*. *The Journal of Phytopharmacology*, 10(5), 409–414. <https://doi.org/10.31254/phyto.2021.10521>
12. Rana, P. S., Saklani, P., & Chandel, C. (2022). Assessment of genetic diversity among wild populations of *Coleus forskohlii* in the Garhwal Himalaya. *Vegetos*, 1-10. <https://doi.org/10.1007/s42535-022-00477-1> (published online)

**Total Number of Research Publications: 17**

### **Trainings**

1. Short- Term Training Course on “**Plant Transgenic Technologies**” during **1-16 oct 2014, M.D.University Rohtak .**
2. Participated in **21 days** summer/winter school training program on “**The Hi-tech micropropagation techniques for biomass and metabolite production**” at Department of Biochemistry, GBPUA&T during Nov 22<sup>nd</sup>-Dec 12<sup>th</sup> 2016.
3. Participated in Short Term Training Program on Computation techniques in Research Methodology for Sciences and Social Sciences organized by FDC, HNBGU, During July25-31, 2019. Participated in One week National Workshop on Research Methodology organized by FDC, HNBGU on 10-16 December 2018
4. Participated Short Term Training Program on “Computational Techniques in Research Methodology for Science and Social Science” from July 25<sup>th</sup>-31<sup>st</sup>, 2019 organized by Faculty Development Centre, H.N.B. Garhwal University, Srinagar, Uttarakhand under the PMMMNMTT scheme of MHRD, Govt. Of India.
5. Successfully completed online training on “Enhancing teaching and student engagement through effective personal development and use of OER, AI and ML” from 2<sup>nd</sup> to 6<sup>th</sup> Mar 2021 organized by Faculty development Centre G. B. Pant University of Agriculture and Technical University

6. Participated in Professional Advancement Program for Indian Women Researchers in STEM during 02-03 June 2022 at Doon University, Dehradun