Curriculum Vitae

Full Name:	**DR. POOJA SAKLANI**		
Designation:	**Assistant Professor**		
Department	**Department of Biotechnology**		
Campus:	**Chauras / Srinagar**		
Telephone:		**Fax:**	
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Education Qualification:	**Ph.D., G. B. Pant University of Agriculture & Technology**		
Teaching Experience:	**13 Years**	**Research Experience:**	**16 Years**

Research Interest and Fields of Specialization

1. Plant Biotechnology
2. Biochemistry
3. Medicinal plant, Natural products

Honours & Awards: - Nil

Member of Academic Institutions: - Nil

Membership of Scientific Organizations: -

Indian Science Congress Association (Life Member).

Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered)

03 (Awarded), 01 (Submitted), 01 (Registered)

Research Projects/ MoU undertaken

Effect of altitudinal variation on antioxidants, forskolin content and Genetic diversity of *Coleus forskohlii* from Uttarakhand and exploration of its anti-ageing potential, UTTARAKHAND Council for Biotechnology (2017-2020)

Administrative Experience

1. Worked as Warden Girls' Hostel (2011-2019)
2. Worked as NSS Program Officer (2013-2016)
3. Member of BOS Biotechnology (2014)
4. Member of Departmental Syllabi Restructure committee (2015)
5. Member of Institutional Ethical committee
6. Member Proctor Board

Scientific Visits Abroad/ International Collaboration: - Nil

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

International

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 **7th**

International Conference on Management, Engineering, Science, Humanities and Technology held in Bangalore on 25 th 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.

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 27th 2016.
5. Actively participated in organizing and delivered a lecture on DNA Day at Department of Zoology and Biotechnology, HNBGU during 23-25th April 2017.
6. Participated in One week National Workshop on **"Research Methodology"** at FDC, HNBGU during Dec 10-16, 2018.
7. 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 9-10th March 2018.
8. Presented a paper entitled "Phytochemical finger printing of *Coleus forskohlii* by HP-TLC" in 1st **Annual Conference of Himalayan Action Research & Development** at Department of Chemistry (BGR Campus) HNBGU during 29&30th Oct 2018.

Conference/Symposium/Workshop Organized during last five years (2014-19): - Nil

Publications during last five years (2014-2019)

Journals

1. **Saklani P** and Molpa D and Panwar AS. In vitro Antibacterial activity of *Ribes grossularia* against various pathogenic microbes. ***International Journal of Basic and applied Science Research***, 2015:2(1), 142-148 (Impact Factor: 1).
2. Rawat A, Rana PS, Molpa D, **Saklani P.** Phytochemical composition and antioxidant activity of *Reinwardtia indica* from selected locations of Uttarakhand. **International Journal of Proreesses in Engineering, Management, Science and Humanities** 2015:1(3), 59-67. (Impact factor-0.575)
3. Mehta S, Rana P S, **Saklani P**. Phytochemical screening and TLC profiling of various extracts of Reinwardtia indica. **International Journal of Pharmacognosy and phytochemistry Research**, 2017:9(4) (Impact Factor: 1.279)
4. Rana PS, **Saklani P** and Molpa D. Coleus Forskohlii and Its Forskolin: A Review. **International Journal of Higher Education and Research**, 2016: 6(1), 197-201.

5. Semwal AC, **Saklani P** and Mathuria Y P. Urinary tract infection among children and adolescents of Garhwal Region of Uttarakhand, India. **African Journal of Microbiology Research**, 2017: 11(36), 1392-1398.
6. Semwal AC, Mathuria, YP, and **Saklani P**. Study of Antibiotic Resistance Pattern in Uropathogens at a Tertiary Care Hospital. **Annals of International Medical and Dental Research** (2017): 3(5).
7. Chandel C., Sharma VK, Saklani P, Dabral M, Mawilya M, Raj K, Nalla MK, Prakash C and Dey SS. Antifungal activity of cytoplasmic male sterile lines of pepper against Phytophthora. **Vegetos-An international journal of plant research (2017):30(4)**
8. Rana PS and **Saklani P**. Analyzing the effects of altitudinal variation in enzymatic antioxidants of Coleus forskohlii from Uttarakhand, India. Plant Cell Biology and Molecular Biology, 2019: 20 (9-10).
9. Rana PS, **Saklani P** and Chandel C. Influence of altitude on Total Phenolic, Flavonoid, Terpenoid content and antioxidant activity of Coleus forskohlii root extracts. **Research Journal of Medicinal Plants**, 2020:14(43-52)
10. **Saklani P ***, Rana PS, Mehta S, Thakur R and Chandel C. Assessment of enzymatic antioxidant and antimicrobial potential of ***Reinwardtia indica*** from Garhwal region of Uttarakhand**. Research Journal of Biotechnology (Accepted for publication) 27th March 2020.**
11. Chandel C, Sharma VK, Rana PS, Dabral M, Aggrawal S and **Saklani P***. Assessment of antimicrobial and antioxidant potential of Cytoplasmic Male Sterile lines of pepper. **Springer and Nature Applied Sciences 2020:2 issue 7** (1181-1188).
12. Rana PS, **Saklani P *** and Chandel C. Analyzing the effects of altitudes on the metabolic diversity and forskolin content in Coleus forskohlii roots by HPTLC and HPLC. **Plants Biosystems** (Accepted for publication/Under final review) 4th May 2020.

Total Number of Research Publications: 14

Trainings

1. Short- Term Training Course on **"Plant Transgenic Technologies"** organize **during 1-16 Oct 2014,**.
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 22nd-Dec 12th 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.