

Kumaun University, Nainital

Curriculum Vitae

Name : Prof. Kumud Upadhyaya

Designation : Principal, Community College & Dean Technology at
Kumaun University, Nainital.

Department : Department of Pharmaceutical Sciences, Sir J.C Bose
Technical Campus, Bhimtal Campus, Kumaun University,
Bhimtal, Nainital,

Contact Information

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LinkedIn Profile (Optional) : Prof. Kumud Upadhyaya

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Scopus ID : 36562588100

Educational Qualification

Degree	University	Subjects	Year
Ph. D.	Kumaun University, Nainital (UA)		2006
Ayurvedratna	Hindi Sahitya Sammelan, Allahabad		1999
Diploma in Sales and Marketing	All India Institute of Management Studies, Chennai		1997
M.PHARM	Dr. Hari Singh Gaur University, Sagar, (M.P.)		1992
B. PHARM	Dr. Hari Singh Gaur University, Sagar, (M.P.)		1990

Work Experience

Position	Department	University/Organization	Year
Dean Technology	Dept of Pharmacy	Kumaun University, Nainital	December 2022
Principal Community College	Principal	Kumaun University, Nainital	February 2022
Associate Professor	Dept of Pharmacy	Kumaun University, Nainital.	June 1996
Assistant Professor	Dept of Pharmacy	Kumaun University, Nainital.	March 1999

		Kumaun University, Nainital Senior Grade (7000)	From 2008
Lecturer	Dept of Pharma. Sciences	SRRITS, Dehradun.	June 1996 – May 1998
	S.B.S. (P.G.)	Institute of Biomedical Sciences and Research, Dehradun	Aug 1998- Feb 1999
Marketing Executive	Protec	A Division of CIPLA Ltd. Bombay	Nov. 1993- May 1996

Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year
Professor	Academic	Academic	30 June 2019
Dean Technology	Academic/ Administrative	Kumaun University, Nainital	Since December 2022
Head Dept. Of Pharmaceutical Sciences	Academic	Kumaun University, Nainital	January 2024
Principal Community College	Academic/ Administrative	Kumaun University, Nainital	Since February 2022
Deputy Registrar (Exam)	Administrative	Uttarakhand Ayurved University	November 2014- October 2015 (I year)
Deputy Registrar	Administrative	Academic	July-August 2022
Professor/ Principal	Academic/ Administrative	GISIPS, Dehradun	May 2011- May 2013
		Doon College of Education, Saharanpur	Aug 2007- Nov 2007
		GRD (PG) IMT, Dehradun	Aug 2007 November 2013
		Siddhartha Institute of Pharmacy, Dehradun	Jan 2007- July 2007

Research Interests

Research is mostly carried out in the field of Pharmaceutical Sciences with emphasis on Phytochemical and Pharmacological evaluation, Standardisation and Formulation of herbal medicine.

Publications (a) Research Papers

Authors name	Title of the paper	Journal, vol, page no	Year
Deepak Singh Janoti, Tirath Kumar, Kumud Upadhyaya	Evaluation of Antioxidant Assays in Hydroalcoholic Extract and Its Fractions With HPLC-DAD Screening and Quantification of Analytical Marker Compounds in Piper longum Fruit Evaluation of Antioxidant Assays in Hydroalcoholic Extract and Its Fractions With HPLC-DAD Screening and Quantification of Analytical Marker Compounds in Piper longum Fruit	Eur. Chem. Bull., 12(10), 12565-12578	2023
Verma, Deepika, Upadhyaya, Kumud	Screening the statistical impact of some independent variables on the particle size and entrapment efficiency (EE) for the design and development of curcumin-loaded PLGA-Tf nanoparticles	Journal of Drug Delivery and Therapeutics, 13(11), 13-20	2023
Verma, Deepika, Upadhyaya, Kumud	A Comprehensive Review of Parkinson's Disease: Insights into Pathogenesis, Clinical Features, and Herbal Treatment Strategies,	Journal of Emerging Technologies and Innovative Research 10(8), 542-550	2023
Perna Sharma, Kumud Upadhyaya	Characteristic features and comparative analysis of essential oil composition of selected genus of <i>Ocimum sanctum</i> L. through GC-MS	<i>J Vector Borne Dis</i> 60(1):94-100 Doi: 10.4103/0972-9062.331404	2023
Kumud Upadhyaya,1 Priya Kumari Sharma,1 Ansab Akhtar,2 and Sangeeta Pilkhwah Sah2	Protective Effects of Zingerone Against Depression-Like Behavior and Biochemical Changes in Chronic Stressed Rats: Antioxidant Effects	JOURNAL OF MEDICINAL FOOD, 25 (6), 1–12 DOI: 10.1089/jmf.2021.K.0141	2022
Jai Kumar Mishra, Kumud Upadhyay, Dr. Sharad Visht, Dr. Ramandeep Singh, Anita Kumari, Dr Hareesh Dara and Sunita Singh	Pharmacological Study of <i>Azadirachta indica</i> (Neem) for their possible Antimalarial Activity with Emphasis on Resistance and Resistant Reversal	Journal of <i>Pharmaceutical Negative Results</i> , 13(6) 3356-76. DOI: https://doi.org/10.47750/pnr.2022.13.S06.451	2022

Jai Kumar Mishra, Kumud Upadhyay, Sharad Visht, Ramandeep Singh, Anita Kumari, Hareesh Dara, Amit Kumar Verma, Sunita Singh	Pharmacological Study of <i>Andrographis paniculata</i> (Kalmegh) for their possible Antimalarial Activity with Emphasis on Resistance and Resistant Reversal	<i>Asian Pacific Journal of Health Sciences</i> , 8(3), 206-216. DOI: https://doi.org/10.21276/apjhs.2021.8.3.36	2022
Perna Sharma ^{1*} , Kumud Upadhyaya ²	Standardization of Tulsi (<i>Ocimum sanctum</i> Linn.)	Jundishapur Journal of Microbiology, Vol. 15, No.1	2022
Semwal, R., Joshi, S.K., Semwal, R.B. <i>et al.</i>	Effects of A1 and A2 variants of β -casein on human health—is β -casomorphin-7 really a harmful peptide in cow milk?	<i>Nutrirtre</i> , 47,8 https://doi.org/10.1186/s41110-022-00159-7	2022
Anup Ojha, Ritika Arora, Rukhsar Khan, Sangeeta Pilkhwah Sah and Kumud Upadhyaya	Bioactivity guided fractionation of Bombax ceiba L. root extract for antidepressant activity and elucidation of mechanism of action using in silico studies	<i>Indian Journal of Experimental Biology</i> , 59 (8), 539-546 http://nopr.niscair.res.in/handle/123456789/57964	2021
Deepak Janoti, Kumud Upadhyaya	Simultaneous Detection and Validation of Analytical Markers of <i>Swertia chirata</i> by HPLC-DAD to Evaluate the Potency of Extracts and Fractions against Antioxidant Potential,	<i>Asian Journal of Chemistry</i> , 33(5) /pp 977-982, ISSN: 0975-427X (Online)ISSN: 0970-7077 (Print), https://doi.org/10.14233/ajchem.2021.23085 , UGC No. 8774.	2021
Perna Sharma and Kumud Upadhyaya	Pharmacognostic and Therapeutic Activities of Genus <i>Ocimum</i> ”, Anti-Infective Agents	Bentam Science Volume 19, Issue 1, Page: [85 - 90] Pages: DOI: 10.2174/2211352518999200629170119	2021
Devesh Tewari, Vipul Negi, Rakesh Singh, Kumud Upadhyaya and Lotfi Aleya	Structural characterization of Himalayan black rock salt by SEM, XRD and <i>in-vitro</i> antioxidant activity:	<i>Science of The Total Environment</i> 748, 141269 https://doi.org/10.1016/j.scitotenv.2020.141269 ISSN: 0048-9697, https://www.sciencedirect.com/science/article/abs/pii/S0048969720347987 - ! Scopus Indexed.	2020
Dheeraj Bisht, Kumud Upadhyaya, Rishendra Kumar and Ravindra Pratap Singh	A Recent Review on Tuberculosis and its Treatment	International Journal of Research in Pharmacy and Chemistry, 9(4), 200-210 ISSN: 22312781 UGC Journal No. 48705 DOI: https://dx.doi.org/10.33289/IJRP.C.9.4.2019.966	2019
Virender Kaur, Tirath Kumar, Kumud Upadhyaya	A Review on Ethnopharmacology of <i>Verbascum chinense</i> (<i>Scrophulariaceae</i>)	J. Pharm. Sci. & Res., 11(8), 3030-3034 ISSN:0975-1459	2019
Sharma S, Kaur R, Upadhyaya K and Gupta R	An overview of pleiotropic effect of statins in cardiovascular disease.	<i>Pharm Pharmacol Int J.</i> ; 6(6):435–439. DOI:10.15406/ppij.2018.06.00214	2018

Ritika Arora, Rukhsar Khan, Anup Ojha, Himansu Chopra, Kumud Upadhyaya	Formulation and Characterization of Terbinafine Emulgel for Superficial Fungal Infections	Research Journal of Pharmacy and Technology,11(11),5029-5036: ISSN Print: 0974-3618 ISSN Online: 0974-360X (Scopus Indexed)	2018
Khan, R., Arora, R., Ojha, A., Chopra, H and Upadhyaya K..	Formulation and evaluation of floating microspheres of levofloxacin	Int. Res. J. Pharm.; 9(7): 186- 191 http://dx.doi.org/10.7897/2230-8407.097147	2018
Ravindra Semwal, Kumud Upadhyaya, Ruchi Badoni Semwal and Deepak Kumar Semwal	Acceptability of Nose-to- Brain Drug Targeting in Context to its Advances and Challenges	<i>Drug Delivery Letters</i> , 7(1):1- 9 <i>DOI:</i> <i>10.2174/22103031076661709291</i> <i>20304</i>	2018

a) Patents (start from recent publications)

Authors name	Title of the patent	Patent no (Granted or filed)	Year
1. Jai Kumar Mishra 2. Dr Kumud Upadhyay 3. Dr. Sharad Visht 4. Dr. Ramandeep Singh 5. Ms Anita Kumari 6. Dr Hareesh Dara 7. Dr Amit Kumar Verma 8. Ms Sunita Singh	Use of ionic to non-ionic plant extracts of andrographis paniculata (kalmegh) for resistance reversal of quinine (eq.) Efficacy at dose 20 mg/ kg as antimalarial use in chloroquine resistant plasmodium strain at dose range 300 mg/ kg to 1000 mg/ kg	Patent journal Application No.202111048343	2021.
1. Jai Kumar Mishra 2. Dr. Kumud Upadhyay	Use of ionic to non-ionic extracts of bark and leave of azadirachta indica (neem) at dose range 300 mg/ kg to 1000 mg/ kg for resistance reversal to achieve efficacy of quinine (eq.) At dose 20 mg/ kg in chloroquine resistant plasmodium strain of disease malaria	Patent journal Application No.202111048345	2021

b) Books (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year
Kumud Upadhyaya	<i>Medicinal plant biodiversity and Conservation</i>	Sustainable Development and Environment	193-210	2015

		Vaishali Saxena and Abha Joshi Ed., Rapid Book Service, Lucknow		
Upadhyaya, K., Singh, A., and Mishra, B	<i>Mushroom the White Revolution</i>	The Eastern Pharmacist	XLIII (06), 31-35	
Upadhyaya, Kumud	<i>Poshak tatvon se bharpur hai doodh bakri ka</i>	Ganna Samachar, Sharad Visheshank		1997
Upadhyaya Kumud	<i>Aayush main hain apaar sambhawnayain</i>	Pharma- Mag, Souvenir: 2013		2014

c) Book chapters (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year
Kumud Upadhyaya (Vaishali Saxena and Abha Joshi Ed.,)	In Sustainable Development and Environment	Rapid Book Service, Lucknow,	978-93-82462-40-8	2015

d) Conference Publications/Proceedings (start from recent publications)

Authors name	Title of the paper	Conference name	Year
Co Convener		Drinking water quality for educational institutes and stakeholders	2021
Convener		E-marketing of Medicines	2015
Convener		Brief History and Indian Context of Regulatory Affairs	2016
Convener		<i>Managing Agriculture and Environment,</i>	2013
Convener		“International Symposium” on <i>Frontiers in Herbal Cosmetics and Nutraceuticals</i>	2013
Member Hospitality Committee		<i>Herbs from Himalayan Region</i>	2004
		Prospects of Essential Oil Industry in Uttaranchal	
Organizing Secretary		<i>Herbal Medicine - Application of Biotechnology and Futuristic Approach</i>	1997

Teaching details

Name of the course/paper	Department	University	Year
Associate Professor (Pharmacognosy)	Dept of Pharmacy	Kumaun University, Nainital	June 1996
	Dept of Pharmacy	Kumaun University, Nainital	March 1999

Assistant Professor (Pharmacognosy)		Kumaun University, Nainital Senior Grade (7000)	From 2008
Lecturer (Pharmacognosy)	Dept of Pharma. Sciences	SGRRITS, Dehradun	June 1996 – May 1998
	S.B.S. (P.G.)	Institute of Biomedical Sciences and Research, Dehradun	Aug 1998- Feb 1999
Marketing Executive	Protec	Protec (A Division of CIPLA Ltd. Bombay	Nov. 1993- May 1996

Professional Memberships

Organization	Position	Year
Association of Pharmacy Teachers of India	Life Member	
Indian Pharmacognosy Society	Life Member	
Indian Pharmacy Graduates Association	Life Member	
IDEAS, UGCASC, Nainital	Life member	
Academy of Plant Sciences of India	-	1997-98
Association of Microbiologist of India	Treasurer Dehradun unit	1997-98
Registered Pharmacist	Pharmacy Council of India	

Honours and Awards

Award	Awarding Organization	Year
Acharya Narendra Dev Alankar	Acharya Narendra Dev Siksha Nidhi, Uttar Pradesh (Founded by Late Sri Prtap Bhaiya)	2003
<i>Excellent Contribution in the Field of Pharmaceutical Research and Academics</i>	Social Talks World Book of Records, Indian Pharmacopoeial Commission during Health and Wellness Conclave held at Dehradun	2021
Member	PCI PG syllabus Committee	2021

Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Chemical Constituents and Antibacterial Activity of <i>Tagetes minuta</i>	Prospects of Essential Oil Industry in Uttaranchal	Nainital	2004
Concentration Dependent antioxidant activity	Recent Trends in Phytomedicine	Indian Society of Pharmacognosy and R C	2006

of <i>Znathoxylum armatum</i>	and Nutraceuticals	Patel College of Pharmacy, Shirpur, Maharashtra.	
Pharmacognostic Evaluation of <i>Tagetes minuta</i> L. from Uttarakhand	II nd Science Congress organized	UCOST, Uttarakhand	2007

INVITED SPEAKER/ EXPERT

1. **Invited Speaker** at National Conference on *Recent Trends in Phytomedicine and Nutraceuticals* organised by R C Patel College of Pharmacy, Shirpur, Maharashtra in association with Indian Society of Pharmacognosy. 5-6 November 2006.
2. **Invited Speaker** “*Reproducibility of Results*” at UGC sponsored National Seminar on Current Status and Challenges in Pharmacy and Healthcare, Organised by University Institute of Pharmacy, Chatrapati Sahu Ji Maharaj University, Kanpur, 28 March **2010**.
3. **Invited Speaker-Emerging Trends and Novel Concepts in Biomedical Research**. Organised by Department of Life Sciences and Pharmacy, Himanchal Group of Institutions, Ponta Sahib, 4 May **2010**.
4. **Plenary Lecture/ Chairperson** at International Conference on New Horizons in Microbial Biotechnology and Pharmaceutical Sciences Organised by Department of Life Sciences and Pharmacy, Himanchal Group of Institutions, Ponta Sahib, 4 May **2010**.
5. **Recent Advances in Pharmacognosy**, National Seminar on “*Emerging Trends in Pharmaceutical Education and Research*” Organised by Vivek College of Technical Education, Bijnor, 18 March **2012**.
6. **Expert Lecture** at Faculty Development Programme Sponsored by Punjab Technical University “*New Generation Drugs and Drug Delivery System: Future Prospects in Pharmaceutical and Chemical Technology*” at Chandigarh College of Pharmacy, Mohali. On **12 March 15**
7. **Expert Poster evaluation**, 3rd National Convention on “*Emerging Trends in Pharmaceutical Education and Research*”: 18 March 2012, at Vivek College of Technical Education, Bijnor, U.P. Vivek College of Pharmacy, Bijnor. **18 March 2012**.
8. **Co- Chair: 15th Annual Meeting of Society of Pharmacognosy and First International Convention**, 18-20 February 2011, KLE University, Belgaum, Karnataka, India.
9. **Expert Poster Evaluation**, National convention of Society of Pharmacognosy and National Seminar on “Promotion and Globalisation of Indian Herbal Products- Perspectives and Prospects” **21-22 February, 2014**. Dept of Pharma. Sciences, MD University, Rohtak.
10. **Chairperson 18th Annual Convention of Society of Pharmacognosy and First International Convention, 21-22 February 2014**, Maharshi Dayanand University, Rohtak, Haryana, India.
11. **Expert Poster evaluation/Co-Chairperson**, National Conference on Recent Advances in Biosciences and Drug Discovery. 3-4 March, **2014**, Dept. Of Pharma. Sciences, Gurukul Kangri Vishwavidhyalaya, Haridwar.

12. **Invited Speaker: *Essential oils: Promising Phytopharmaceuticals***, International Conference on Global Trends in Pharmaceuticals and Clinical Practice, 6-7 February 2015 at Tirthankar Mahavir University, Moradabad.
13. **Invited Resource Person, 8th National IPA Students Congress**, organised by Indian Pharmaceutical Association- Students' Forum ISF college of Pharmacy, Moga held on **3rd& 4th September 2016**.
14. Participated as **Expert at Science Conclave- at 11th Uttarakhand State Science and Technology Congress 2016-17** by Uttarakhand Council of Science and Technology, **2-4th March 2017**.
15. **Invited Speaker** in National Medicinal Plant Board Sponsored Conference on "Recent Advances in Ayurvedic Herbal Medicine- From Source to Manufacturing organised by Faculty of Biomedical Sciences, Uttarakhand Ayurved University, Dehradun. **15th and 16th September 2017**.
16. **Resource Person, *Role of Chemistry of Natural Products in Drug Design***, 30th November 2017, Vivek College of Technical Education, Bijnor.
17. **Session Chairperson 22nd Annual Convention of Society of Pharmacognosy and International Conference on *Integrating Ayurveda and herbal Drugs for Next Generation Therapeutic & Supplement: Opportunities and Challenges***. Ganpat University, Mehsana, Gujrat, India. 20th& 21st January 2018
18. Participated as **Expert in 12th Uttarakhand State Science and Technology Congress (USSTC) 2017-18** held on 7th-9th March 2018.
19. **Session Chairperson in National Conference** Recent advances in pharmacovigilance measures affecting drug development and industry output organised by Shobhit University, Gangoh, Saharanpur (UP) 11-12 February 201
20. **Invited Speaker** in National Seminar on Recent Advances in Ayurvedic Herbal medicine Organised by Uttarakhand Ayurved University and State Medicinal Plant Board, Uttarakhand and National Medicinal Plant Board, New Delhi, 14 May 2016.
21. **Session Chairperson**, National Conference on Recent Advances in Pharmacovigilance Measures Affecting Drug Development and Industry Output, Organised by Shobhit University, Gangoh, Saharanpur (UP) 12-13 February 2018.
22. **Invited Speaker** National Seminar on "Current Scenario of Pharmacy Education in India: Challenges and Responsibilities Organised by Sagar Institute of Technology and Management, Barabanki (UP) 24 February 2018.
23. **Resource Person**, 22rd Annual Convention of Society of Pharmacognosy and **International Conference** on New Age Opportunities and Challenges for Quality, Safety and GMPs in Herbal Drug Development Organised by CSIR national Botanical Research Institute, Lucknow, 22-23 February 2019.
24. **Invited Speaker** in National Seminar on Conservation and Sustainable use of high altitude medicinal and aromatic plants for socio economic development, sponsored by and National Medicinal Plant Board, New Delhi and Organised by Uttarakhand Ayurved University and State Medicinal Plant Board, Uttarakhand 29-30 November 2019.
25. **Chairperson**, Scientific Committee, Holistic Contribution of Pharmacy Gurus for Future Global Leaders- Vision 2047 at 24th Annual National Convention of Association of Pharmaceutical Teachers of India- 11-13 October 2019
26. **Session Chairperson**, International Conference on Current Trends in Pharmaceutical & Medical Sciences (CTPMS-2020) organised by Global Institute of Pharmaceutical Education & Research, Kashipur, Uttarakhand, India February 26-29, 2020.
27. **Session Chairman** in two weeks AICTE Sponsored Quality Improvement Programme (QIP) in "Exploring Indigenous Knowledge for Modern Lifestyle Disorders" organised

by, College of Pharmacy Bharati Vidyapeeth (Deemed to be University), Pune POONA from 23rd Nov - 5th Dec 2020.

28. **Invited Speaker** Webinar on Post Covid 19: Impact and Strategies for Pharma Professionals, Organised by M J College, Bhillai, Chhattisgarh 6 June 2020.
29. **Invited Speaker**, National Conference on Skill Development and Self Reliant India, Sponsored by UGC, New Delhi and organised by SBS Govt. PG College, Rudrapur, Uttarakhand.
30. **Invited Speaker**, FDP on Drug Engineering: Challenges and Innovation, Organised by ITS College of Pharmacy, Ghaziabad, UP 13th to 17th September 2021.
Challenges and Innovations in Complementary and Alternative Medicine (CAM)
31. **Invited Speaker**-Shelf Life and Safety of Ayurvedic Formulation in International Conference on "Conservation and sustainable use of high altitude medicinal and aromatic plants for the socio-economic development" during 29 and 30 November 2019, by on "Conservation and sustainable use of high altitude medicinal and aromatic plants for the socio-economic development" during 7-8 May 2022 by Uttarakhand Ayurved University, Dehradun.
32. **Keynote Speaker** at National Conference on 'Recent Innovations in Emerging Technology and Sciences', by JBIT Group of Institutions, Dehradun, 2nd July 2022.
33. **Invited Speaker**, Graphic Era Hill University Induction Program 2023
34. **Speaker** National Seminar on *Role of National Education Policy and Its Impact on Future of Pharmacy* organised by Smt. Vidhyawati College of Pharmacy, Jhansi, 24-25th November 2023
35. **Invited Speaker** (Resource Person) International Conference on Indigenous Traditional Knowledge of Medicinal Plants of Nanda Devi Biosphere Reserve of Uttarakhand Himalayas ITK 2024, Uttarakhand University, Dehradun, 9-10 June 2024