

Kumaun University, Nainital
Curriculum Vitae

Name : Arvind Jantwal
Designation : Scientific Officer
Department : Department of Pharmaceutical Sciences

Contact Information

- Email Address : arvind.jantwal@gmail.com
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ORCID ID : 0000-0001-9367-1361

Scopus ID : 56433618200

Vidwan ID :

Educational Qualification

Degree	University	Subjects	Year
B.Pharm	Kumaun University	All Pharmacy Subjects	2009
M.Pharm	Kumaun University	Pharmacognosy	2011
PhD	Kumaun University		2025

Work Experience (add row if required)

Position	Department	University/Organization	Year
Lecturer	Pharmacy Department	Gov Polytechnic Dwarahaat	2012
JRF	KCB	GBPIHED	2012
SRF	KCB	GBPIHED	2014
Project fellow	Department of Pharmaceutical Sciences	Kumaun University	2016
Scientific Officer	Department of Pharmaceutical Sciences	Kumaun University	2016

Administrative Responsibilities (add row if required)

Position	Nature of responsibility	University/Organization	Year

Research Interests

Pharmacognosy: Exploring natural sources for potential medicinal compounds and understanding their chemical constituents.

Extraction techniques: Developing efficient methods for isolating bioactive compounds from plants, fungi, and other organisms.

Bioactivity screening: Evaluating the pharmacological properties and therapeutic potential of extracted compounds for drug discovery.

Publications (start from recent publications)

a) Research Papers(add row if required)

Authors name	Title of the paper	Journal, vol, page no	Year
Priyanka Sati, Praveen Dhyani, Eshita Sharma, Dharam Chand Attri, Arvind Jantwal , Rajni Devi, Daniela Calina, Javad Sharifi-Rad	<u>Gut Microbiota Targeted Approach by Natural Products in Diabetes Management: An Overview</u>	Current Nutrition Reports 1-20	2024
Bahare Salehi, Monica Butnariu, Mihaela Corneanu, Ioan Sarac, Sanja Vlasisavljevic, Dusanka Kitic, Amirhossein Rahavian, Amirreza Abedi, Morteza F Karkan, Indra D Bhatt, Arvind Jantwal , Javad Sharifi- Rad, Célia F Rodrigues, Miquel Martorell, Natália Martins	<u>Chronic pelvic pain syndrome: Highlighting medicinal plants toward biomolecules discovery for upcoming drugs formulation</u>	Phytotherapy research, 34,4,769-787	2019
Natália Martins Sharifi-Rad, Javad, Nathália Cristina Cirone Silva, Arvind Jantwal , Indra D Bhatt, Farukh Sharopov, William C Cho, Yasaman Taheri	<u>Therapeutic Potential of Allicin-Rich Garlic Preparations: Emphasis on Clinical Evidence toward Upcoming Drugs Formulation</u>	Applied Sciences, 9,24, 5555	2019
Arvind Jantwal , Mahendra Rana, Amita Joshi Rana, Jyoti Upadhyay, Sumit Durgapal	<u>Pharmacological potential of genus Marchantia: A Review</u>	Journal of Pharmacognosy and Phytochemistry, 8,2,641-645	2019
Mahendra Rana, Janmejy Pant, Arvind Jantwal , Amita Joshi Rana, Jyoti Upadhyay,	<u>In vitro anti-inflammatory and antioxidant activity of ethanolic extract of Marchantia polymorpha in Kumaun</u>	World J. Pharm. Res, 7,9, 864-875	2018

Satpal Singh Bisht	<u>region.</u>		
Sumit Durgapal, Sayantan Mukhopadhyay, Laxmi Goswami, Jyoti Upadhyay, Arvind Jantwal , Ashish Dimri	FORMULATION AND EVALUATION OF TRANSDERMAL PATCH AND GEL OF VENLAFAXINE	Asian Journal of Research in Chemistry and Pharmaceutical Sciences, 6, 58- 72	2018
Vasudha Agnihotri, Arvind Jantwal , Rajesh Joshi	<u>Determination of effective moisture diffusivity, energy consumption and active ingredient concentration variation in Inula racemosa rhizomes during drying</u>	Industrial crops and products, 106 , 40-47	2017
Mahendra Rana, Jyoti Upadhyay, Amita Rana, Sumit Durgapal, Arvind Jantwal	<u>A systematic review on etiology, epidemiology, and treatment of cerebral palsy</u>	International Journal of Nutrition, Pharmacology, Neurological Diseases, 7, 76- 83	2017
Vasudha Agnihotri, Priyanka Sati, Arvind Jantwal , Anita Pandey	<u>Antimicrobial and antioxidant phytochemicals in leaf extracts of <i>Bergenia ligulata</i>: a Himalayan herb of medicinal value</u>	Natural Product Research,, 29, 1074-1077	2015

b) Patents (start from recent publications)(**add row if required**)

Authors name	Title of the patent	Patent no (Granted or filed)	Year
Dr. Lavanya L, Dr. M Rajshekar, Dr. Tanuj Joshi, Dr. Jamuna Bai, Dr. Anil Kumar K. M, Dr. Suhas Narayan Sakarkar, Dr. Arvind Jantwal , Mr. Mohammad Rizwan, Dr. Avinash K.O, Ms. Uma Rawat, Dr. Sharangouda J.	NANOBAND- A NANOTECHNOLOGY – BASED INSTRUMENT FOR TARGETED REMOVAL OF ROGUE CELLS	397640-001 (Granted)	2023

Patil			
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c) Books (start from recent publications)(**add row if required**)

Authors name	Title of the book	Publisher	ISBN	Year

d) Book chapters (start from recent publications)(**add row if required**)

Authors name	Title of the book	Publisher	ISBN	Year
Arvind Jantwal , Sumit Durgapal, Jyoti Upadhyay, Mahendra Rana	<u>Gynocordia odorata</u> R. Br. In Himalayan Fruits and Berries	Academic Press	978-0-323-85591-4	2023
A Jantwal , S Durgapal, J Upadhyay , T Joshi, A Kumar	<u>Tartaric acid, in Antioxidants Effects in Health</u>	Elsevier	978 -0-12-819096-8	2022
Sumit Durgapal, Arvind Jantwal , Jyoti Upadhyay, Tanuj Joshi, Aadesh Kumar	<u>Uric acid in Antioxidants Effects in Health</u>	Elsevier	978 -0-12-819096-8	2022
Jyoti Upadhyay, Nidhi Tiwari, Sumit Durgapal, Arvind Jantwal , Aadesh Kumar	<u>Phytic acid: As a natural antioxidant</u> Antioxidants Effects in Health	Elsevier	978 -0-12-819096-8	2022
T Joshi, L Singh, A Jantwal , S Durgapal, J Upadhyay, A Kumar, M Rana	<u>Zingiber officinale</u> in Naturally Occurring Chemicals Against Alzheimer's Disease	Academic Press	978-0-12-819212-2	2021

S Durgapal, A Jantwal, J Upadhyay, M Rana, A Kumar, T Joshi, AJ Rana	<u>Urtica dioica</u> in Naturally Occurring Chemicals Against Alzheimer's Disease	Academic Press	978-0-12- 819212-2	2021
J Upadhyay, S Durgapal, A Jantwal, A Kumar, M Rana, N Tiwari	<u>Guggulu</u> [<u>Commiphora</u> <u>wightii (Arn.)</u> <u>Bhandari.</u>] in Naturally Occurring Chemicals Against Alzheimer's Disease	Academic Press	978-0-12- 819212-2	2021
A Jantwal, S Durgapal, J Upadhyay, M Rana, M Tariq, A Dhariwal, T Joshi	<u>Centella asiatica</u> in Naturally Occurring Chemicals Against Alzheimer's Disease	Academic Press	978-0-12- 819212-2	2021
Tarun Belwal, Harish C Andola, Maria S Atanassova, Bhasker Joshi, Renu Suyal, Shinny Thakur, Arti Bisht, Arvind Jantwal, Indra D Bhatt, Ranbeer S Rawal	<u>Gotu kola (Centella</u> <u>asiatica)</u> in Nonvitamin and nonmineral nutritional supplements	Academic Press	9780128124918	2018

e) Conference Publications/Proceedings (start from recent publications)(**add row if required**)

Authors name	Title of the paper	Conference name	Year
V Agnihotri, A Jantwal, SK Nandi, KK Joshi Rajesh	Studies on Effect of Drying and Extraction Process on Picroside Content of Picrorrhiza kurroa	International Conference on Health, Environment and Industrial Biotechnology	2013

Teaching details (add row if required)

Name of the course/paper	Department	University	Year
Pharmacy	Department of Pharmacy	Gov Polytechnic Dwarahaat	2012
M.Pharma/B.Pharma (Microbiology,	Department of Pharmaceutical	Kumaun University	2016

Biochemistry, Industrial Pharmacognosy, Computer Applications, Pharmacognosy, Herbal cosmetics)	Sciences		

Professional Memberships (add row if required)

Organization	Position	Year
State Pharmacy council (Uttarakhand)	Member	2010

Honours and Awards (add row if required)

Award	Awarding Organization	Year

Conference Presentations (add row if required)

Title of presentation	Conference name	Name of the institution	Year
Preliminary Studies on Effect of Drying Condition on Concentration of Picrosides of <i>Picrorrhiza kurroa</i> Royle ex Benth	National Conference on Innovations in Ethnopharmacology, Recent Developments in Biological and Chemical Sciences for Societal Benefits	Department of Zoology L.S.M. Government Post Graduate College	2013
EFFECT OF CONTROLLED DRYING CONDITIONS ON ALANTOLACTONE & ISOALANTOLACTONE CONTENT OF <i>Inula racemosa</i>	9 th UCOST	USSTC	2014
DETERMINATION OF ANTI -OXIDANT AND ANTIMICROBIAL POTENTIAL OF MARCHANTIA SPECIES OBTAINED FROM KUMAUN	13 th UCOST	USSTC	2016

HIMALAYA			
Anti-Oxidant Potential of Marchantia paleaceae from Uttarakhand	ICEFN & SEM -2019	Dept of Chemistry Kumaun University	2019

Signature of the faculty member