

Kumaun University, Nainital

Curriculum Vitae

Name : Kapil Khulbe
Designation : Assistant Professor
Department : Botany
Contact Information
• Email Address : kapilkhulbe@gmail.com
• Mobile No : 9412313614
LinkedIn Profile (Optional) : www.linkedin.com/in/kapilkhulbe
ORCID ID : 0000-0002-9206-492X
Scopus ID : 57196978607
Vidwan ID :

Educational Qualification

Degree	University	Subjects	Year
B.Sc	Kumaun University	Zoology, Botany, Chemistry	1998
M. Sc.	Kumaun University	Botany	2000
Ph. D.	Kumaun University	Botany	2008

Work Experience (add row if required)

Position	Department	University/Organization	Year
Assistant Professor	Botany	Kumaun University, D. S. B. Campus	2011 Till date

Administrative Responsibilities (add row if required)

Position	Nature of responsibility	University/Organization	Year
Observer, USET	To ensure that no student indulges in any type of malpractice	Kumaun University	2024
Member Proctorial Board	To maintain discipline in the college and to ensure that college rules are understood	D. S. B. Campus, Kumaun University	2017 till date
Assistant Exam controller	Timely evaluation of answer booklets	Kumaun University	2018,2022
Assistant Superintendant of Exam	Different duties pertaining to smooth conduct of examination	D. S. B. Campus	2011 till date

Research Interests

- Bioactivity testing of plant secondary metabolites
- Chemical profiling of plant secondary metabolites
- Plant-fungal (endophytic) association

Publications (start from recent publications)

a) Research Papers(add row if required)

Authors name	Title of the paper	Journal, vol, page no	Year
Kumar, P., Sati, S.C., Khulbe, K., ...Tripathi, A.N., Sarvendra, K.	Phytochemical constituents, antimicrobial and antioxidant activities of Kumaun Himalayan Hoop Pine bark extract	Natural product research, 36 (4), 1095-1099	2022
Khulbe, K., Takuli, P., Kumar, P., Parki, A.	Phytochemical Analysis and in Vitro Assessment of Himalayan Polystichum squarrosum Extract for Its Antioxidant and Antimicrobial Activities	Journal of Herbs, spices and medicinal plants, 28 (4), 414-426	2022
Takuli, P., Khulbe, K., Kumar, P., ...Syed, A., Elgorban, A.M.	Phytochemical profiling, antioxidant and antibacterial efficacy of a native Himalayan Fern: Woodwardia unigemmata (Makino) Nakai	Saudi Journal of Biological Sciences, 27 (8), 1961-1967	2020
K. Padalia, S.S. Bargali, K. Bargali, K. Khulbe	Microbial biomass carbon and nitrogen in relation to cropping systems in Central Himalaya, India	Current Science, 115(9), pp. 1741–1750	2018
Pritee Pant, Kapil Khulbe, Charu Pant	Essential oil composition and antioxidant, antibacterial activity of leaf extract of <i>Persea odoratissima</i> (Nees)	European Journal of Biomedical and Pharmaceutical Sciences	2018
Kapil Khulbe, Urvashi Verma, Pritee Pant	Determination of phytochemicals and in-vitro antioxidant activity of different	International journal of advanced biological research, 6 (2) 259-266	2016

	extracts of Himalayan Cypress (<i>Cupressus torulosa</i> D. Don) needles		
Vivek Kumar, Kapil Khulbe	Biochemical and molecular identification of Oxalate isolated from rhizosphere of biomenralizing tree <i>Terminalia alata</i> from Kumaun Himalaya, India	International journal of current research, 8 (11), 42179-42182	2016
S. C. Sati, P. Takuli, P. Kumar, K. Khulbe	Antibacterial activity of three medicinal plants of Kumaun Himalaya against some pathogenic bacteria	International Journal of Pharma Sciences and Research, 11, 1361-1369	2015
S. C. Sati, Kapil Khulbe, S. Joshi	Antibacterial Evaluation of the Himalayan Medicinal Plant <i>Valeriana wallichii</i> DC. (Valerianaceae)	Research Journal of Microbiology, 6(3), 289-296	2011
Kapil Khulbe, S.C. Sati	Antibacterial potential evaluation of rhizome extracts of <i>Bergenia ciliata</i> (Haw.) Sternb.	The Scientific Temper	2011
Melkani, A.B.; Negi, A.; Sati, S.C.; Khulbe, K.; Dev, V.	Terpenoid composition and antimicrobial activity of the essential oil from <i>Salvia nubicola</i> Wall Ex. Sweet.	Journal of Essential oil research	2010
Kapil Khulbe, S. C. Sati	Antibacterial activity of <i>Boenninghausenia albiflora</i> Reichb. (Rutaceae)	Africal journal of Biotechnology, 8(22), 6346-6349	2009

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

Authors name	Title of the patent	Patent no (Granted or filed)	Year
Rajeshwar Arya, Priyanka Gairola, Dheeraj Bisht, Kapil Khulbe, Jay Singh, Deepak Kumar	Novel in-situ film formation herbal spray for prevention of blood loss during injury	509572 (Granted)	2024

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

Authors name	Title of the book	Publisher	ISBN	Year
Manoj Tiwari, Kapil Khulbe, Archana Tiwari	Environmental Studies	I. K. International	81-88237- 82-5	2006

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

Authors name	Title of the book	Publisher	ISBN	Year
Kapil Khulbe	Microbiology, Mycology and Plant Pathology	Uttarakhand Open University	978- 93- 85740- 57-2	2019
V. Kumar, Kapil Khulbe	Agriculture against the climate odds: Perspectives and interventions for food security in the difficult time of global warming		978- 93- 8117- 650-4	2019
Kapil Khulbe, S. C. Sati	Studies on Antifungal Activity of the plant Zanthoxylem armatum (Rutaceae)	Daya Publishing House, New Delhi		2014

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

Authors name	Title of the paper	Conference name	Year
Vivek Kumar, Kapil Khulbe, Susma Tamta, Rashmi Srivastava, A.K. Sharma	Evaluating the role of oxalotrophic bacteria in long term carbon sequestration: a new approach	National Workshop on Retrospective and Prospective Analysis of Indian Agri: The Roadmap ahead	2014
Urvashi Verma, Kapil Khulbe	Free radical scavenging activity, antioxidant activity and phytochemical characterization of Cedrus deodara	Indian Science Congress	2017
Poonam Takuli, S. C. Sati, Kapil Khulbe	In-vitro antibacterial activity of Berbaris aristata (DC)	9 th Uttarakhand State Science and Technolgy Congress	2014-15
Pritee Pant, Kapil Khulbe	Studies on qualitative phytochemical analysis of some medicinal plants of Kumaun Himalaya	9 th Uttarakhand State Science and Technolgy Congress	2014-15

Projects (add row if required)

Title of the	Funding agency	Amount (Rs)	Year
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project			
Exploring mycoendophytes for green synthesis of nanoparticles: A sustainable approach for agriculture and Industry	State Government	12,69,500/=	2024
Investigating diverse methods for sporulation in endophytic fungi	Kumaun University	2,00,000/=	2024
Assessment of antimicrobial and antioxidant potentiality of some gymnosperms of Kumaun Himalaya	D.B.T., India	12,09,600/=	2018
Exploration of root endophytic aquatic hyphomycetes from Kumaun Himalaya	D.B.T., India	8,00,000/=	2019
Antifungal activity of medicinal plants against plant pathogens using germination inhibition assay	D.B.T., India	8,00,000/=	2019
Altitudinal variation in chemical composition and antioxidant activity of <i>T. orientalis</i>	Kumaun University	75,000/=	2017

Teaching details (add row if required)

Name of the course/paper	Department	University	Year
Gymnosperm (Th.)	Botany	Kumaun University	2011-13
Cytogenetics (Th.)	Botany	Kumaun University	2011 till date
Biochemistry (Th.)	Botany	Kumaun University	2011 till date

Professional Memberships (add row if required)

Organization	Position	Year
American Society for Microbiology	Member	2023 till date
Indian Phytopathological society	Member	2022 till date
Indian Botanical Society	Member	2022 till date

Honours and Awards (add row if required)

Award	Awarding Organization	Year
NA	na	NA

Conference Presentations (add row if required)

Title of presentation	Conference name	Name of the institution	Year
Role of specific rhizospheric bacterial response in atmospheric carbon sequestration	The first International congress Ecological integrity and environmental ethics	Pantnagar	2014
In-vitro antioxidant and antimicrobial potential of <i>Dandrocalthus strictus</i> (Roxb.) Nees	National conference on Environmental Constraints, Conservation and Reseource Development of Medicinal Plants for Health and Societal Bendfits	Doon University, Dehradun	2014



(Kapil Khulbe)

Signature of the faculty member