

Kumaun University, Nainital

Curriculum Vitae

Name : Rishendra Kumar
 Designation : Sr. Assistant Professor
 Department : Biotechnology
 Contact Information
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 ORCID ID : 0000 0002 8495 827x
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Educational Qualification

Degree	University	Subjects	Year
Ph. D	G. B. P. U. A & T Pantnagar	Molecular Biology & Biotechnology	2011
M. Sc	Kumaun University Nainital	Biotechnology	2005
B. Sc	M. J. P. R. U, Bareilly	Biotechnology & Chemistry	2002

Work Experience (add row if required)

Position	Department	University/Organization	Year
SRF	Institute of Biotechnology, Patwadanger	G. B. P. U A & T Pantnagar	2009
Assistant Professor	Department of Biotechnology	Kumaun University Nainital	2010 onwards, till date

Administrative Responsibilities (add row if required)

Position	Nature of responsibility	University/Organization	Year
Assistant Warden of Boys Hostel	Running & Maintenance of Hostel and its discipline	Babu jagjeevan Ram Boys Hostel Bhimtal, Kumaun University Nainital	2010-2012
Assistant Center evaluator (Professional	Evaluation, distribution of Answer sheets and their remuneration	Bhimtal Campus Bhimtal Kumaun University Nainital	2012

exams)			
Proctor of the Campus	Discipline, T. C & C. C preparation, Id card preparation etc.	Sir, J. C. Bose Technical Campus, Bhimtal Kumaun University Nainital	From 2017 till date
Assistant Center evaluator (Professional exams)	Evaluation and Verification of Marks, uploading	Sir, J. C. Bose Technical Campus, Bhimtal Kumaun University Nainital	From 27-12-2023 till date

Research Interests

(List your research interests and areas of expertise in 1-3 lines)

Plant Molecular biology and microbiological studies for the analysis of plant microbes interactions, also evaluate the promising plant extract for their anti microbial activity.

Publications (start from recent publications)

a) Research Papers (add row if required)

Authors name	Title of the paper	Journal, vol, page no	Year
Ankita H. Tripathi, Amrita Kumari, Garima Chand, Rishendra Kumar , Anjala Durgapal, Lakshna Mahajan ⁴ , Penny Joshi and Santosh Kumar Upadhyay	An overview of phytomedicinal, ethnobotanical applications and phytochemical constituents of four major Agave species;	<i>Indian Journal of Natural Products and Resources</i> ; Vol. 14(2), , pp. 148-161.	June 2023
Rishendra Kumar	Chemical Fertilizers and its removal from Environment by using Microbial Approach – Review;	<i>International Journal of Advanced Research in Engineering Technology & Science</i> ; vol. 8 (4) pp. 10-30	April 2021
Sanjay Kumar, Mohammad Suhail Javed, Pawan Kumar, Sachin Gupta, Rishendra Kumar , Pramod Kumar Singh	In-vitro antifungal and anti-bacterial activity of chloroform extract from tubers of Aconitum laeve Royle: Endangered species, India	Science Direct Material today: 34 (vol.) pp563-568.	March 2021
Rishendra Kumar	An archaic, eupeptic but disdain pulse crop Macrotyloma uniflorum – A Review;	<i>International Journal of Pharmaceutical Science Invention</i> ; Vol. 10 (5) pp 49-58	May 2021
Kuldeep Singh, Rajesh Gera, Ruchi Sharma, Damini Maithani, Dinesh Chandra Mohammad Amin Bhat, Rishendra Kumar , Pankaj Bhatt	Mechanism and application of Sesbania root-nodulating bacteria: an alternative for chemical fertilizers and sustainable	Archives of Microbiology https://doi.org/10.1007/s00203-020-02137-x	July 2021

Jagdish C. Kandpal, Rishendra Kumar , Kailash Chandra, Santosh Pandey, Tara S. Bisht	development; Prevalence of hepatitis B virus genotypes and sub- genotypes in north and east regions of India: DNA sequencing methodology	Current Trends in Biotechnology and Pharmacy; Vol. 14 (2) pp147-155,	2020
Sanjay Kumar, Akansha Pathak, Shubham Kathuria, Rishendra Kumar	Phytochemical Investigation and Antimicrobial Characterization of High Altitude medicinal plant Rhododendron arboreum Smith from Uttarakhand Himalaya;	<i>Journal of Physics: Conference Series</i> ; 1531 doi:10.1088/1742- 6596/1531/1/012114	2020
Anmol Singh, Anamika Dhama, Diksha Palariya, Om Prakash, Ravendra Kumar, Rishendra Kumar and AK Pant	Methyl nonyl ketone and linalool rich essential oils from three accessions of <i>Zanthoxylum armatum</i> (DC.) and their biological activities;	<i>International Journal of Herbal Medicine</i> E-ISSN: 2321-2187 P-ISSN: 2394- 0514 pp20-28	2019
Diksha Palariya, Anmol Singh, Anamika Dhama, Ravendra Kumar, Om Prakash, A. K Pant and Rishendra Kumar	Phytochemical analysis and biological activities of leaves and bark hexane extracts of <i>Premna mucronata</i> Roxb. collected from Kumaun hills of Uttarakhand;	<i>International Journal of Herbal Medicine</i> ; E-ISSN: 2321-2187 P-ISSN: 2394- 0514, pp35-44	2019
Jagdish C. Kandpal and Rishendra Kumar	Hepatitis B Virus Drug resistance and surface gene escape mutation in India: Association with genotype and viral load.	<i>Global Journal of Bio-science and Biotechnology</i> ISSN: 2278-9103, pp295-301.	2019
Jagdish C. Kandpal, Rishendra Kumar and Rahul Katara	DNA prevalence of Hepatitis B Virus Infection Across different Demographics in Indian Population	<i>Bionature</i> ISSN; 0970-9835 (P), 0974-4282 (O)39(2) pp 59-69.	2019
Sanjay Kumar, Mohammad S Javed, Pawan Kumar, Rishendra Kumar	Chemical composition, In vitro antibacterial and antioxidant activity of essential oil from	<i>Asian Journal of Pharmaceutical and Clinical Research</i> vol 11. S2.28529,RTBS	2018

	leaves of Ajuga Parviflora benth.		
Anamika Dhama, Diksha Palariya, Anmol Singh, Ravendra Kumar, Om Prakash, Rishendra Kumar and AK Pant	Chemical composition, antioxidant, <i>in vitro</i> anti-inflammatory and antibacterial activity of seeds essential oil of <i>Zanthoxylumarmatum</i> DC. Collected from two different altitudes of Kumaun region, Uttarakhand.	<i>International Journal of Chemical Studies</i> Vol 6(6): pp 363-370	2018
Dheeraj Bisht, Rajeshwar Kamal Kant Arya, Tanuj Joshi, Govind Raj Pal and Rishendra Kumar	<i>Review on Indole Derivatives used as Antiulcer agents</i>	<i>International Journal of Research in Pharmacy and Chemistry</i> Vol. , 8(3) pp394-404.	2018
Kandpal JC, Kumar R , Kumar V, Singh PR	Clinical performance Characteristics of Hepatitis B Virus Quantification by Combining Artus-DSP Assay with Rotor Gene Q-Real-Time PCR	<i>International Journal of Science and Research</i> vol.6(9) pp1629-1634	2017

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

Authors name	Title of the patent	Patent no (Granted or filed)	Year
NA	NA	NA	NA

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

Authors name	Title of the book	Publisher	ISBN	Year
NA	NA	NA	NA	NA

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

Authors name	Title of the book	Publisher	ISBN	Year
G. Chand, D. Kholia, K. Kumar, R. Kumar , Santosh K. Upadhyay & P. Joshi	<i>Waste Management: Strategies, Challenges and Future Directions;</i>	Nova Science Publishers, Inc. New York;	ISBN: 978-1-68507-394-7(eBook).	2022

Pooja Pant, Ankit Negi, Anchal Giri, Pankaj Bhatt, Rishendra Kumar	In: Microbial Technology for Sustainable Environment; Chapter 5:	Springer	ISBN 978-981- 16-3839- 8 ISBN 978-981- 16-3840- 4 (eBook).	2021
Ankit Negi, Pooja Pant, Rishendra Kumar	In: Microbial Technology for Sustainable Environment; Chapter 2:	Springer	ISBN 978-981- 16-3839- 8 ISBN 978-981- 16-3840- 4 (eBook).	2021
Ankita H. Tripathi, Ankita Bhatt, Amrita Kumari, Himani Tewari, Garima Chand, Rishendra Kumar , Penny Joshi and Santosh K. Upadhyay	Chapter 4. Improving the tumor avidity of photosensitizers used in the phytodynamic therapy (PDT) of Cancers:			2021
Rishendra Kumar , Pankaj Kumar, Anchal Giri	Smart Bioremediation Technologies: Microbial enzymes.	Elsevier	ISBN 978-0-12- 818307- 6,	2020

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

Authors name	Title of the paper	Conference name	Year
NA	NA	NA	NA

Projects (add row if required)

Title of the project	Funding agency	Amount (Rs)	Year
NA	NA	NA	NA

Teaching details (add row if required)

Name of the course/paper	Department	University	Year
Microbiology	Biotechnology	Kumaun University	1st year

(M.Sc 1 st Sem.)		Nainital	
Genetic Engineering (M.Sc 2 nd Sem.)	Biotechnology	Kumaun University Nainital	2 nd year

Professional Memberships (add row if required)

Organization	Position	Year
Association of Indian Cryptogams	Life time member	2024


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
NA	NA	NA	NA

Signature of the faculty member


05-04-2024