


ACADEMIC DETAILS

Name	Dr. Parikshit Kumar	
Designation	Assistant Professor	
Department	Botany	
Area of Interest	Plant Pathology, Microbiology, Plant Bioactivity	
Qualifications	M.Sc. Ph.D. (Botany)	
Contact Number	7579227925, 7017421528	
E-Mail ID	parikshitbotany88@gmail.com	

Publications:

Research Articles published in journals

- Sati, S. C., Joshi, S. and **Kumar, P.** (2014). Antibacterial activity of Kumaun Himalayan *Biota orientalis* L. leaf extracts. *African Journal of Microbiology Research* 8(6): 603-608. (IF-0.85)
- Sati, S.C., Takuli, P., **Kumar, P.**, Khulbe, K. (2015). Antibacterial activity of three medicinal plants of Kumaun Himalaya against some pathogenic bacteria. *International Journal of Pharma Sciences and Research*, 6 (11): 1361-1368. (IF-0.99)
- Sati, S. C., **Kumar, P.** and Joshi, S. (2015). The bark extracts of Himalayan gymnosperm *Picea smithiana* (Wall.): A natural sources of antibacterial and antioxidant agent. *International Journal of Pharmacy. Photon.*106: 445-452. (IF-0.65)
- Sati, S.C., **Kumar, P.** (2015). Assessment of Himalayan juniper, *Juniperus squamata* buchham ex d. don for phytochemical screening and antimicrobial potential against some infection causing pathogens. *World Journal of Pharmaceutical Research*, 4 (10): 998-1011.
- Kumar, P.**, Joshi, S., Sati, S. C. and Rai, D. (2016). A comparative evaluation of phytochemical and antibacterial properties of *Ricinus communis* Linn and *Thevetia peruviana* Schum. of Kumaun Himalaya. *Mintage Journal of Pharmaceutical and Medical Sciences*, 5 (2): 13-19. (NAAS- 4.98)
- Kumar, P.** and Sati, S. (2016). Phenology of Gymnosperms of Nainital, Kumaun Himalaya, India. *The International Journal of Plant Reproductive Biology*, 8(2): 145-157. (NAAS-3.71)
- Savita Joshi, S.C. Sati and **Parikshit Kumar** (2016). Efficacy of Kumaun Himalayan *Biota orientalis* Endl. leaves extracts against pathogenic fungi. *International Journal of Pharmacology and Toxicology*, 4 (2) (2016) 224-227.
- Savita Joshi, S.C. Sati and **Parikshit Kumar** (2016). Antibacterial potential and ethnomedical relevance of Kumaun Himalayan Gymnosperms, *The Journal of Phytopharmacology*, 5(5): 190-200. (NAAS-4.11), UGC-India (Journal no. 46490)

- Savita Joshi, **Parikshit Kumar**, P. Pant and S. C. Sati (2018). A comparative evaluation of Kumaun Himalayan Gymnosperms for their Antifungal potential against plant pathogenic fungi. *The Journal of Phytopharmacology*, 7(3): 230-241. (NAAS-4.11), UGC-India (Journal no. 46490).
- Parikshit Kumar** and S.C. Sati (2020). Chemical composition, antioxidant and antimicrobial activities of Himalayan *Fraxinus micrantha* Lingelsh leaf extract. *Natural Product Research*, DOI: 10.1080/14786419.2019.1710706. (IF-2.861)
- Amrendra Nath Tripathi, **Parikshit Kumar** and S. C. Sati (2020). Uses of invasive alien plants in Kumaun Himalayan folk medicinal system. *International Journal of Herbal Medicine*; 8(1): 27-31. (NAAS-5.24), UGC-India (Journal no. 48245).
- Poonam Takuli, Kapil Khulbe, **Parikshit Kumar**, Archana Parki, Asad Syed, Abdallah M. Elgorban (2020). Phytochemical profiling, antioxidant and antibacterial efficacy of a native Himalayan Fern: *Woodwardia unigemmata* (Makino) Nakai. *Saudi Journal of Biological Sciences*, 27: 1961-1967. DOI: org/10.1016/j.sjbs.2020.06.006. (IF-4.219)
- Poonam Takuli, Kapil Khulbe, **Parikshit Kumar** and Charu Pant (2020). Chemical composition of essential oil of *Equisetum diffusum*: a noble source of phytol. *International Journal of Pharmaceutical Sciences and Research*, 11(11): 5572-5578.
- Parikshit Kumar**, S. C. Sati, Kapil Khulbe, Prabha Pant, A. N. Tripathi & Kunwar Sarvendra (2020). Phytochemical constituents, antimicrobial and antioxidant activities of Kumaun Himalayan Hoop Pine bark extract. *Natural Product Research*, DOI: org/10.1080/14786419.2020.1851217. (IF-2.861).
- Manish Kumar, Vinay Pratap, Manoj Kumar Singh, Ashwini Kumar Nigam, **Parikshit Kumar**, Jalaj Kumar Gour (2021). Evaluation of Antioxidant Potential of *Hedychium spicatum* Rhizome Extracts from Bhowali Region, Uttarakhand, India, *SSR Inst. Int. J. Life Sci.*, 7(6): 2901-2907.
- Amrendra Nath Tripathi, Suresh Chandra Sati and **Parikshit Kumar** (2021). *Euphorbia hirta* Linn -An invasive plant: a review of its traditional uses, phytochemistry and pharmacological properties. *International Journal of Pharmaceutical Sciences and Research.*, 12(12): 6189-6201.
- Amrendra Nath Tripathi, S. C. Sati and **Parikshit Kumar** (2022). An invasive plant *Sonchus asper* (L.) Hill: A review of its ethnopharmacology, phytochemistry, and pharmacological properties. *Indian Journal of Natural Products and Resources*, 13(4): DOI: 10.56042/ijnpr.v13i4.44111.
- S. C. Sati, Amrendra Nath Tripathi and **Parikshit Kumar** (2022). Influence of different solvents on antibacterial potential of three species of Himalayan Oak. *International Journal of Pharmaceutical Sciences and Research.* 13(1): 197-205. DOI:10.13040/IJPSR.0975-8232.13(1).197-05.
- Kapil Khulbe, Poonam Takuli, **Parikshit Kumar** and Archana Parki (2022). Phytochemical Analysis and in Vitro Assessment of Himalayan *Polystichum squarrosus* Extract for Its Antioxidant and Antimicrobial Activities. *Journal of Herbs Spices & Medicinal Plants.* (IF-.909)- Tylor & Francis.
- Parikshit Kumar**, S.C. Sati, Amrendra Nath Tripathi, Nirmala Koranga and A. B. Bajpai. (2022). Effect of the Solvent System on Chemical Composition, Antioxidant and Antimicrobial Activity of *Pinus wallichiana* A. B. Jackson. *The Scientific Temper.* 13 (2): 365-370.

Chapters Published in Books

- Manju Rani, D K Upreti, G S Rajwar, Renu Dixit, Jitendra Kumar, Smriti Kukshal, Sarika Maheshwari, **Parikshit Kumar** and Narendra Kumar (2022). Assessment of Lichen Flora of Dehradun, Uttarakhand, India, *Biodiversity: In the Service of Mankind*, 76-98. (ISBN: 978-1-957302-34-8)
- Smriti Kukshal, Sarika Maheshwari Manju Rani and **Parikshit Kumar** (2022). Study on Economically Important Flora of Chir- Pine (*Pinus Roxburghii*) Community of Garhwal Himalaya, Uttarakhand, *Biodiversity: In the Service of Mankind*, 132-143. (ISBN: 978-1-957302-34-8).
- Sarika Maheshwari, Smriti Kukshal, Manju Rani and **Parikshit Kumar** (2022). Tolerance and Toxic limits of Sodium arsenate for analyzing the genetic variability in *Hordium vulgare*. *Biodiversity: In the Service of Mankind*, 144-150. (ISBN: 978-1-957302-34-8).
- **Parikshit Kumar**, S. C. Sati, A.B. Bajpai, Smriti Kukshal, Sarika Maheshwari, Manju Rani, Narendra Kumar. Antifungal Activity of Himalayan *Acer Oblongum* Wall. Ex. DC. Leaves Extract Against Plant Pathogenic Fungi, *Biodiversity: In the Service of Mankind*, 171-178. (ISBN: 978-1-957302-34-8).

Other publications

- Joshi S., **Kumar, P.** and Sati, SC. 2012. Plant and their medicinal values: special reference to natural antioxidant. *Oaks* 8: 39-42. (ISSN: 0975-5918).
- **Kumar, P.**, Joshi, S. and Sati, S.C. (2013). *Araucaria*: A gymnospermic medicinal plant. *Oaks* 9: 36-38.
- Savita Joshi, **Parikshit Kumar** and S. C. Sati (2014). Evaluation and Screening of Antibacterial Activity of Kumaun Himalayan *Cupressus torulosa* D. Don Leaf Extracts. *Oaks* 10: 74-78.

Workshops attended

Attended two days DBT sponsored National Training on “**Computational Biology and its Applications**” at Department of Biotechnology, Kumaun University, Bhimtal Campus, Nainital, Uttarakhand, India from March 15-16, 2014.

Attended six days UCOST sponsored National Workshop on “**Taxonomic keys and Identification Tools of Different Group of Flora and Fauna including the**

Molecular Tools” at Department of Zoology and Environmental Science, Gurukula Kangari Vishwavidyalaya, Haridwar, Uttarakhand, India from March 3-8, 2014.

Attended three days **Himalayan Young Researcher Meet-II** at G. B. Pant Institute of Himalayan Environment and Development, Kosi- Katarmal, Almora, Uttarakhand, India, from September 15-17, 2015.

Attended one day workshop on **“Foldscope and its applications”** at Department of Botany, D.S.B. Campus, Kumaun University, Nainital on 12, December-2018.

Seminar/Webinar attended

Parikshit Kumar attended webinar on Fundamental Aspects of Ethical Issues in Research Practices organized by “National Agricultural Higher Education Project” dated from 22-25 September, 2020.

Parikshit Kumar attended webinar on “Positive Mental Health in COVID Time” organized by Department of Forestry, D.S.B. Campus, Kumaun University, Nainital on dated 01 June, 2021.

Parikshit Kumar attended webinar on ”World Environment Day” organized by Sponsored Research & Industrial Consultancy Cell (SRICC), Kumaun University, Nainital; NSS Cell, Kumaun University, Nainital; Society for Mountain Development and Conservation (SMDC), Nainital; Dr. Y.P. S. Pangtey Foundation and IGNOU, D.S.B. Campus, Nainital on 5 June, 2021.

Paper presented / accepted in Conferences/Seminars:

Parikshit Kumar, S. Joshi and S. C. Sati. Antimicrobial activity of Kumaun Himalayan plant *Pinus wallichiana* Roxb. Oral presentation and abstract published in **7th USSTC**, held on November, 21-23, 2012 at Graphic Era University, Dehradun, Uttarakhand, India.

Parikshit Kumar, S. Joshi and S. C. Sati. Antibacterial potential of Kumaun Himalayan plant *Araucaria cunninghamii* Sweet Bark Extract. Oral presentation and abstract published in **8th USSTC**, held at Doon University, Dehradun, Uttarakhand, India from Dec, 26-28, 2013.

Parikshit Kumar, Savita Joshi and S.C. Sati. “Antibacterial potential of a Kumaun Himalayan Gymnosperm, *Picea smithiana* (Wall.) Bark extract. Oral presentation and abstract published in **National Conference on Medicinal Plant for Health and Social Benefits**. 21-23 March, 2014, Doon University, Dehradun, Uttarakhand, India.

Parikshit Kumar and S. C. Sati. Phytochemical and antimicrobial investigation on *Juniperus squamata* Buch. – Ham. ex D. Don of Auli Bugyal of Garhwal Himalaya. Poster presentation and abstract published in **102nd Indian Science Congress** held on January 03-07, 2015 at Mumbai University, Mumbai, Maharashtra, India.

Parikshit Kumar and S. C. Sati. Evaluation of Antimicrobial activity and phytochemical screening of plant extracts of Kumaun Himalayan *Fraxinus micrantha* Lingelsh. Abstract published in **103rd Indian Science Congress** held on January 03-07, 2016 at Mysore University, Mysuru, Karnataka, India.

Parikshit Kumar and S. C. Sati. Phytochemical analysis and antioxidant potentiality of Himalayan *Litsea umbrosa* Nees. Oral presentation and abstract published in **National Seminar on Plants and Environment** held on 27-28 March, 2017 at Department of Botany, Kumaun University, Nainital, Uttarakhand-India.

Parikshit Kumar attended the National Webinar on “Application and Utilization of Modern Teaching Learning Techniques in Higher Education” Organized by Department of Botany, Govt. College Patharia Dist. Damoh (M.P.) on dated 25 August, 2021.

Parikshit Kumar presented Oral presentation on “Antifungal activity of Himalayan *Acer oblangum* Wall. ex. DC. leaves extracts against plant pathogenic fungi” in **National Seminar on Biodiversity: In the Service of Mankind** organized by Department of Botany, H.V.M. (PG) College, Raisi, Haridwar, Uttarakhand India on dated 18 September, 2021.

Parikshit Kumar presented oral presentation on “Chemical composition, antioxidant, antibacterial and antileishmanial activities of Himalayan *Fraxinus micrantha* Lingelsh bark extract” in **International Online Conference on “Advances in Chemical Science”** organized by Department of Chemistry, H.V. M. (P.G.) College, Raisi, Haridwar, Uttarakhand, India, on dated 21-22 December, 2021.

Faculty Development Programmes (FDP)/Refresher Courses Attended:

1. Four-Week Faculty Induction (FIP) / Orientation Programme, Teaching Learning Centre, Ramanujan College, New Delhi (Under the aegis of the Ministry of Education, PMMMNMT). From November 10, 2020, to December 09, 2020.
2. One week Faculty Development Programme on “Open-Source Tools for Research” Teaching Learning Centre, Ramanujan College, New Delhi (Under the aegis of the Ministry of Education, PMMMNMT). From April 03, 2021, to April 09, 2021
3. One week Faculty Development Programme on “Research Design & Research Method” Teaching Learning Centre, Ramanujan College, New Delhi (Under the aegis of the Ministry of Education, PMMMNMT). From 30 July, 2022, to 05 August, 2022

Research Projects

Parikshit Kumar working as Co-PI on “Assessment of synergistic potential of secondary metabolites of invasive plant species of Garhwal Himalaya against pathogenic microbes of agricultural crops” sanctioned by UCOST-Dehradun, Uttarakhand for two years.



Dr. Parikshit Kumar

(Signature with full name)

Date:
