

Curriculum Vitae (CV)

Personal: Mayank Krishna

Date of birth: 21st Sept 1988

Address: Flat no. 204, G-8 Ganga apartment, Vasant Kunj, New Delhi-110070, India

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Language: Hindi, English

Education

- **2014-2020:** PhD in Environmental Sciences (School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India). Thesis title: "***Foliar Phenology and nitrogen partitioning in co-occurring montane tree species of Garhwal Himalaya***" (2014-2020). Thesis supervisor: Prof. Satish Chandra Garkoti (School of Environmental Sciences, JNU). **Thesis award date:** 16/10/2020
- **2013-2014:** M.Phil. Course work, School of Environmental Sciences, JNU, New Delhi. CGPA: 8.82 out of 9.
- **2011-2013:** Master's in science, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi-110067, India. (2011-2013). CGPA: **8.47 out of 9**. M.SC dissertation title: "*Bioremediation and detoxification of xenobiotic organic compounds in landfill leachates*".
- **2008-2011:** Bachelors (B.SC) in Botany (Hon.), Ramjas college, North campus, University of Delhi, New Delhi

Awards & Distinctions

- **2014-2019:** Qualified CSIR-JRF& SRF with **national rank-26** in the subject area "Earth, Atmospheric and Planetary sciences. Award no. 09/263/2014. Research fellowships (JRF & SRF) for carrying out the doctoral work was awarded by Council of scientific and industrial research (CSIR), Government of India
- Qualified **National eligibility test conducted by University Grant Commission**, Government of India in subject area, Environmental Sciences, Year-2013

Professional / Research experience

- April 2021-continuing: **Assistant professor** (Ad-hoc) in the **Department of Environmental Sciences**, Kalindi college, University of Delhi.

- **August 2019 – February 2021: Research associate** in the project **“Creating a phenology network to track invasion in climate change scenario in the semi-arid regions of India”** funded by Department of Science and Technology, Government of India

Publication(s)

- **Mayank Krishna, Satish Chandra Garkoti**, “*Evergreens and Deciduous tree species show distinct strategies to synchronize with seasonality in Himalaya*” *Forest, Ecology and Management*
- **Mayank Krishna**, Jamie Winternitz, Satish Chandra Garkoti, Josep Penuelas, “*Functional leaf traits indicate phylogenetic variation in forests across an elevational gradient in the central Himalaya*” <https://doi.org/10.1007/s10265-021-01289-1>, *Journal of Plant Research* (Impact Factor: 3.0)
- **Mayank Krishna**, Shruti Gupta, Manuel Delgado-Baquerizo, Elly Morrien, Satish Chandra Garkoti, Rupesh Chaturvedi, Shandar Ahmad, “*Successional trajectory of bacterial communities in soil are shaped by plant-driven changes during secondary succession*” *Scientific reports*, (<https://doi.org/10.1038/s41598-020-66638-x>), 2020 (Impact factor: 4.996)
- **Mayank Krishna**, Saurabh Kumar Singh, Jayant K. Tripathi, Rupesh Chaturvedi, Satish Chandra Garkoti, “*Effect of alder on soil bacteria offers an alternative explanation to the role played by alder in rock weathering*” *Proceedings of the National Academy of Sciences*, <https://doi.org/10.1073/pnas.1910718116>, 2019. (Impact factor:14)
- Priyanka Tiwari, **Mayank Krishna**, “*An assessment of the performance of different districts towards Sustainable development targets in India*”, *Ecological Questions*. <http://dx.doi.org/10.12775/EQ.2021.002>. 2020

Under review

- **Mayank Krishna, Satish Chandra garkoti**, “*From leaf to litter: An insight to journey of nitrogen*” (*Plants & Soil*)

Book Chapter

- Pooja Ghosh, **Mayank Krishna**, Mihir Tanay Das, Indu Shekhar Thakur, “*Bioremediation and Detoxification of Xenobiotic Organic Compounds in Landfill Leachate by Pseudomonas sp. ISTDF1*” Book: *Management of Water, Energy and Bioresources in the Era of Climate Change: Emerging Issues and Challenges*.

Publisher: Springer International Publishing Editors: Raju, Gossel, Sudhakar, Ramanathan

Training/Seminar/Workshop

- Participated in “*Field Training Course on Ecological Methods*”, School of Environmental Sciences, Course expert- Prof. Marc D. Abrams (Penn State University, USA), Course coordinator- Dr. S. C. Garkoti.
- Participated in “*Hands-on training programme to monitor Forest Cover and Deforestation using Advance Remote Sensing techniques under UN-CECAR/INATE framework in support of REDD+ MRV system*” organized by School of Environmental Sciences, Jawaharlal Nehru University, Coordinator: Prof. Saumitra Mukherjee
- Participated in GIAN-Course (MHRD) on Dendroecology “*Application of Tree-ring Analysis to Ecological and Climate science*” Course expert- Prof. Peter Fule (Northern Arizona University), Course coordinator- Prof. S. C. Garkoti
- Attended the Epigeum “*Enhancing Research Impact*” workshop in New Delhi, hosted by “Oxford University Press” and Central Library, Jawaharlal Nehru University.
- Poster presentation in “*Inter-and Intra-species leaf trait variations among the coexisting tree species of Garhwal Himalaya*” in the Tropical Ecology Congress-2014.

Referee Activities:

Land degradation and development, Plant and Soil, Functional Ecology

Driving License:

Light-Motor Vehicle Driving License (Ministry of Transport)

References

- Prof. Satish Chandra Garkoti, School of Environmental Sciences, JNU, New Delhi, email: sgarkoti@yahoo.com, sgarkoti@gmail.com
- Prof. Rupesh Chaturvedi, School of Biotechnology, JNU, New Delhi, email: rupesh.chaturvedi.jnu@gmail.com
- Prof. Jayant K. Tripathi, School of Environmental Sciences, JNU, New Delhi, email: jktrip@yahoo.com

