



MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD

Sector 43, Aravalli Hills, Manav Rachna Campus Rd, Faridabad, Haryana 121004

Ms. PRACHIE SHARMA

Designation: Assistant Professor

Qualifications: B.Tech Biotechnology (C.I.T.M, MD University), M.TECH (Amity University, Uttar Pradesh), PhD. Biotechnology, MRIIRS, FARIDABAD, HARYANA

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Experience: 6 Years



[Google Scholar Profile:](https://scholar.google.com/citations?view_op=list_works&hl=en&authuser=1&user=uazLU7gAAAAJ)

https://scholar.google.com/citations?view_op=list_works&hl=en&authuser=1&user=uazLU7gAAAAJ

Research Interest : Molecular Biology, Virology, Bioinformatics, Synthetic Biology, Environmental Biotechnology, Food Sciences

+ Journal Publication Details:

Sharma P, Gill B.S And Singh A.K., "Air Pollution Has Simple Solution", Pollution Research Paper, Vol 37, Issue 1, 2018; Page No.(166-171). (ELSEVIER)

(http://www.envirobiotechjournals.com/article_abstract.php?aid=8646&iid=248&jid=4)

Sharma P, Gill BS. Effect of reflected sunlight on plant growth. International Journal of Applied. 2017;12(3):321-4.

(https://www.ripublication.com/ijaar17/ijaarv12n3_05.pdf)

Sharma, P., Sachdeva, A., **Kumar, K.**, Bhateja, S., Arora, G. "Knowledge, Awareness and Practices Regarding Hepatitis B Virus among Professional College Students: A Questionnaire Based Study" *Clinical Dentistry* DOI:10.33882/ClinicalDent.13.24939, 2019.

+ Book/Chapter Publications:

- Sharma, P., **Kumar, K.**, "Phytoproteomics: A New Approach to Decipher Phytomicrobiome Relationships" (Book Chapter) in Phytomicrobiome Interactions and Sustainable Agriculture *Wiley Online Library* , <https://doi.org/10.1002/9781119644798.ch2>

+ Administrative Responsibilities:

- Departmental Club Coordinator since June 2020 till date
- Associated to Manav Rachna Innovation and Incubation
- Molecular Biosciences Research Cluster Lab Member from June 2018 till date

+ Professional Affiliation:

- Editorial Board member of **International Journal of Medical Biotechnology & Genetics (IJMBG)**

+ Patent:

- Patent filed on Vehical Mounted Air Filter: Reference No: 201611010437
- Patent filed on Air cleaning Vehicles: Reference No: 201611001673
- Patent Filed on A method and device to augment agricultural produce using reflected solar energy. Reference No: 201811049916
- Two copy rights on “SIMPLE SOLUTION TO AIR POLLUTION”

+ Awards:

- Won Two National Awards On “Simple Solution To Air Pollution”.
- Won Start Up Jalsa Event Organised In Chandigarh
- Seed Funding of 20 Lakh Dst for Air Pollution Has A Simple Solution
- Founding member and Director of Start up PARIMUKH
- SEED FUNDING OF 15 Lakh From Government of Rajasthan of Parimukh.

PROJECTS UNDERTAKEN In MRIIRS:

- Simple Solution To Air Pollution
- Effect Of Reflected Sunlight on The Growth Of Plants
- Novel Interactors Hepatitis B
- Yeast Biosensor On Vitamin D Deficiency
- Hydroponics
- Planted 20 Olive Trees And Monitored Their Progress
- Self Healing Bacteria