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Designation:	Assistant Professor			
Department:	Microbiology			
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Telephone:	+91 1370 267160	Fax:	+91 1370 267160	
Highest Educational qualification:		Ph.D. [in Life Sciences from CDRI, Lucknow, 2012]		
Teaching experience:	09 years	Research Experience:	15 years	
Research Interest and Fields of specialization:				
<ol style="list-style-type: none"> 1. Proteomics 2. Drug targets discovery 3. Drugs from Natural Products 4. Anti-Microbial Peptides 				
Honours and Awards:				
<ol style="list-style-type: none"> 1. CSIR-NET- JRF & SRF (2006-12) 2. GATE-2005 				
Membership of Scientific bodies:				
<ul style="list-style-type: none"> • Life Member of Association of Microbiologist of India (AMI), New Delhi. • Life Member of Indian Peptide Society, New Delhi 				
Research supervision:				
No. of Ph.D. degrees awarded: 01				
No. of Ph.D. students registered: 01				
Administrative Experiences:				
<ol style="list-style-type: none"> 1. Senior Programme Officer, NSS Birla Campus Unit, HNBGU. 2. Member, Anti-Discrimination Unit, HNBGU. 3. Nodal officer, Life Science for IQAC 4. Member, UG admission committee 5. Member, PG admission committee 6. Member, Board of Studies 				
Publications: [during last five years: 2017-2022]				
Journal articles:				
<ol style="list-style-type: none"> 1. Singh P, Kumar S, Maurya VK, Mehta B, Ahmad H, Dwivedi A, Chaturvedi V, Thakur TS, Sinha S. (2017) S-enantiomer of the anti-tubercular compound S006-830 complements activity of frontline TB drugs and targets biogenesis of Mycobacterium tuberculosis cell envelope. ACS Omega. Manuscript ID: ao-2017-012813.R1. <i>[Impact factor:2.87]</i> Doi: https://doi.org/10.1021/acsomega.7b01281 2. Chandra, H, Negi L, Patni B, Maurya VK. (2017) Phytochemical evaluation and Antimicrobial activity of <i>Zanthoxylumarmatum</i> DC, <i>Solanumnigrum</i> and <i>Coriandrumsativum</i>. <i>University Journal of Phytochemistry and Ayurvedic Heights (UJPAH)</i> 2(23):24-28. 				

3. Yadav A, Chandra H and **Maurya VK**. (2017) Probiotics: *Recent advances and future prospects*. *Journal of Plant Development Science*. 9 (11): 967-975.
4. Mishra A. P., Saklani S., Sharifi-Rad M., Iriti M., Salehi B., Sharifi-Rad J., **Maurya V. K.**,Rauf A., Milella L., Baghalpour N. (2018) Antibacterial potential of Saussurea obvallata petroleum ether extract: A spiritually revered medicinal plant. *Cellular and Molecular Biology*. (Noisy le Grand). 64(8):65-70. *[Impact Factor: 1.3]*.[Doi: http://dx.doi.org/10.14715/cmb/2018.64.8.10](http://dx.doi.org/10.14715/cmb/2018.64.8.10)
5. Saklani S., Rawat Y., Plygun S., Ali Shariati M., Nigam M.,**Maurya V. K.**,Yadav A., Mishra A. P. (2019) Biological activity and preliminary phytochemical screening of *Terminalia alata* Heyne Ex. Roth. *Journal of Microbiology, Biotechnology and Food Sciences*. 8(4): 1010-1015. *[Impact Factor: 0.16]*.[Doi: 10.15414/jmbfs.2019.8.4.1010-1015](https://doi.org/10.15414/jmbfs.2019.8.4.1010-1015)
6. Khajuria AK, Negi A, Bisht NS, **Maurya VK**, Kandwal A. (2019) Green Synthesis, Characterization and Antimicrobial Activity of Zinc Oxide Nanoparticles Using Root Extract of *Viola canescens* Wall. ex. Roxb. *Asian Journal of Chemistry*. 31(3), 551-554. *[Impact Factor: 0.31]*.<https://doi.org/10.14233/ajchem.2019.21738>.
7. Negi A, **Maurya VK**.* (2020) Antibacterial potential of Antimicrobial peptides containing whole proteins of two *Adiantum* species from Himalaya against selected human bacterial pathogens. *International Journal of Research in Pharmaceutical Sciences*. 11(2), 2603-2613. *[Impact Factor: 0.24]*.[Doi:https://doi.org/10.26452/ijrps.v11i2.2269](https://doi.org/10.26452/ijrps.v11i2.2269)
8. Neeraj, Kumar N, **Maurya VK**.* (2020) A Review on Machine Learning (Feature Selection, Classification and Clustering) approaches of Big Data Mining in different area of research. *Journal of Critical Reviews*. 7(19), 2610-2626. [Doi: 10.31838/jcr.07.19.322](https://doi.org/10.31838/jcr.07.19.322) *[Impact Factor: 0.3]*
9. Arya P, Mehta JP, **Maurya VK***. (2021) Methanolic Extract of *Angelica glauca* Edgew ‘Root and Stem’: A Possible Component of Herbal Medicines against Respiratory Ailments/diseases. *Indian Journal of Pharmaceutical Education and Research*. 55(2s), s552-s562. [DOI: 10.5530/ijper.55.2s.127](https://doi.org/10.5530/ijper.55.2s.127) *[Impact Factor: 0.5]*
10. Kumar M, Radha, Devi H, Prakash S, Rathore S, Thakur M, Puri S, Pundir A, Bangar SP, Changan S, Ilakiya T, Samota MK, Damale RD, Singh S, Berwal MK, Dhumal S, Bhoite AG, Sharma A, Senapathy M, Bhushan B, **Maurya VK**, Asha, Natta S, Amarowicz R, Mekhemar M. (2021) Ethnomedicinal Plants Used in the Health Care System: Survey of the Mid Hills of Solan District, Himachal Pradesh, India. *Plants*. 10(9):1842. <https://doi.org/10.3390/plants10091842> *[Impact Factor: 3.935]*
11. Prakash P , Radha , Kumar M, Kumari N, Prakash S, Rathour S, Thakur M, Jamwal R, Janjua S, Ali M, Pundir A, Puri S, Dhumal S, Singh S, Senapathy M, Bangar SP, Maurya VK, Changan S, Gora JS, Samota MK, Damale RD, Sasi M, Natta S, Chandran D, Rajalingam S, Rais N and Mekhemar M (2021) Therapeutic uses of wild plants by rural inhabitants of Maraog region in district Shimla, Himachal Pradesh, India. *Horticulturae* 7(10):343. <https://doi.org/10.3390/horticulturae7100343> *[Impact Factor: 2.331]*
12. **Maurya V K***, Singh A, Srivastava N, Saxena K, Agnihotri A (2021) Comparing Antibacterial activity of ‘Anti-bacterial proteins’ from *Parthenium hysterophorus* with three antibiotics. *Invertis Journal of Renewable Energy*, Vol. 11 (4):211-217. [DOI:10.5958/2454-7611.2021.00021.7](https://doi.org/10.5958/2454-7611.2021.00021.7).

13. Thapliyal P, Gautam AS, Sharma M, **Maurya VK** (2022) Treatment Technologies of Human Coronavirus: Myth or Realism. *Journal of Mountain Research*. 17(1): 183-196. *[Impact Factor: 0.6]*
14. Singh M, Suyal DC, Dinkar N, Joshi S, Srivastava N, **Maurya VK**, Agnihotri A, Agrawal S (2022). *Agrobacterium rhizogenes* as molecular tool for the production of hairy roots in *Withania somnifera*. *Journal of Applied Biology & Biotechnology* Vol.X(XX):1-10. [DOI: 10.7324/JABB.2023.110201](https://doi.org/10.7324/JABB.2023.110201) *[Impact Factor: 0.929]*
15. Shams S, Tafarroji J, Aghaali M, Ahmadi N, Heydari H, Mousavi Nasav SD, **Maurya VK** (2022) Prevalence of enteric adenovirus and co-infection with rotavirus in children under 15 years of age with gastroenteritis in Qom, Iran. *Gastroenterology and Hepatology from Bed to Bench*. 15(3):256-262 [doi: 10.22037/ghfbb.v15i3.2483](https://doi.org/10.22037/ghfbb.v15i3.2483) *[Impact Factor: 1.452]*
16. Gangwar R, Ghosh A, Kumar S, **Maurya VK*** (2023) Antibacterial, Antioxidant and Nutraceutical Potential of New Culinary-Medicinal mushroom *Russula lakhanpalii* (Agaricomycetes) from India. *International Journal of Medicinal Mushrooms*. 25(2):77-85. [DOI: 10.1615/IntJMedMushrooms.2022046844](https://doi.org/10.1615/IntJMedMushrooms.2022046844) *[Impact Factor: 1.921]*
17. Gangwar R, **Maurya VK***. (2022) Antibacterial, antibiofilm and anti-haemolytic activity of the anti-microbial peptides from *Agaricus bisporus* against oropathogenic bacteria. *Journal of Environment and Bio-Sciences*. 369(2): 183-191. *[NAAS rating: 4.64]*

Books Chapters:

1. **Maurya VK**, Kumar D, Pathak C, Tiwari BS. (2018). Involvement of reactive species of oxygen and nitrogen in triggering programmed cell death in plants. *Chapter-10*. In: Vats S. (Ed.) *Biotic and Abiotic Stress Tolerance in Plants*, **Springer Nature** Singapore, pp. 257-278. [Doi: https://doi.org/10.1007/978-981-10-9029-5_10](https://doi.org/10.1007/978-981-10-9029-5_10). ISBN-978-981-10-9028-8 (Print), ISBN- 978-981-10-9029-5 (Online)
2. Chauhan J and **Maurya VK**. (2018) Microalgae as an effective tool for wastewater treatment and management. *Chapter 03*. In: Tripathi K, Kumar N, Abraham G. (Eds.) *The Role of Photosynthetic Microbes in Agriculture and Industry*. **Nova Science publishers** Inc. New York USA. (pp. 51-66) ISBN: 978-1-53614-032-3.
3. Gangwar R, Bhatt R P, **Maurya VK.*** (2020) Mushrooms: A review on medicinal, therapeutic and nutritional properties. *Chapter 05*. In: AlokSagarGautam (Ed.) *Recent advancements in Sciences with special reference to Himalaya*. Ancient Publishing House, Delhi, India. (pp. 49-56) ISBN: 978-93-84866-91-4.
4. Meena, **Maurya VK**, and Kumar M. (2020) Antibacterial activity of *Grewiaoptiva Drummond ex Burret* against selected bacteria. *Chapter 09*. In: AlokSagarGautam (Ed.) *Recent advancements in Sciences with special reference to Himalaya*. Ancient Publishing House, Delhi, India (pp.89-94) ISBN: 978-93-84866-91-4
5. Yadav S, Mishra AP, Kumar S, Negi A, Asha, **Maurya VK.*** (2021) Herbal Wound Healing Agents. *Chapter-08*. In: Egbuna C, Mishra AP, Goyal M. (Eds). *Preparation of Phytopharmaceuticals for the Management of Disorders: The Development of Nutraceuticals and Traditional Medicine (Part-I: Phytopharmaceuticals and Technology)*. **Academic Press, Elsevier** (pp. 169-184) ISBN: 978-0-12-820284-5.
6. Maurya AP, Chauhan J, Yadav DK, Gangwar R, **Maurya VK.*** (2021) Nutraceuticals and their impact on human health. *Chapter-11*. In: Egbuna C, Mishra AP, Goyal M.

(Eds). Preparation of Phytopharmaceuticals for the Management of Disorders: The Development of Nutraceuticals and Traditional Medicine (Part-II: Health Benefits of Nutraceuticals). **Academic Press, Elsevier** (pp. 229-254) ISBN: 978-0-12-820284-5.

7. Maurya AP, **Maurya VK**, Thakur RL (2021) Bacteriocin Producing Lactic Acid Bacteria: Their Relevance to Human Nutrition and Health. *Chapter-16*. In: Egbuna C, Mishra AP, Goyal M. (Eds). Preparation of Phytopharmaceuticals for the Management of Disorders: The Development of Nutraceuticals and Traditional Medicine (Part-II: Health Benefits of Nutraceuticals). **Academic Press, Elsevier** (pp. 297-302) ISBN: 978-0-12-820284-5.
8. Kumar S, Goel D, Neeraj and **Maurya VK***. (2021) Proteins involved in colorectal cancer: Identification strategies and possible roles. *Chapter-09*. In: GP Nagaraju, D Shukla, NK Vishvakarma (Eds.) Colon Cancer Diagnosis and Therapy (Vol-I). **Springer publication**. eISBN: 978-3-030-63369-1. ISBN: 978-3-030-63368-4. (pp:179-194)
9. Chaurasia U, Kumar A, Maurya DK, Yadav S K, Hussain T and **Maurya VK**. (2021) Role of Nano-Biotechnology in Agricultural and Allied Sciences. *Chapter-4*. In: Mallick MA, Solanki MK, Kumari B, Verma SK, (Eds.). Nanotechnology in Sustainable Agriculture (Part-1). CRC Press (Taylor and Francis group); 2021 Jul 9. eBook ISBN: 978-0-429-35200-3. (pp 69-96)
10. Saxena R,* Ansari S, Fatima F, Srivastava N, Singh N, Maurya VK, Rai PK (2022). Microbes in drinking water: Control and prevention. *Chapter-10*. In: Srivastava AL, Madhav S, Bhardwarj AK, Valsami-Jones E. (Eds.) Urban Water Crisis and Management-Strategies for Sustainable Development (Vol-6) Elsevier Publication. ISBN: 978-0-323-91838-1 (pp 203-222)
11. Saxena R,* Srivastava N, Ansari S, Rai P K, Neha Singh N, **Maurya V K** (2022). Role of Government in Urban Water management. *Chapter-16*. In: Srivastava AL, Madhav S, Bhardwarj AK, Valsami-Jones E. (Eds.) Urban Water Crisis and Management-Strategies for Sustainable Development (Vol-6) Elsevier Publication. ISBN: 978-0-323-91838-1 (pp 341-360).
12. Kumar A*, Maurya V K*, Sushmita C, Chaurasia U, Maurya D K, Singh S K (2023). Environmental factors and plant-microbes (endophytes) interaction: an overview and future outlook. *Chapter-15*. In: Solanki MK, Singh BP, Yadav MK, and Gupta VK (Eds.). Microbial Endophytes and Plant Growth: Beneficial Interactions and Applications. Academic Press, Elsevier (**Available online**) (pp 245-257) ISBN: 978-0-323-90620-3. **Chapter Doi:** <https://doi.org/10.1016/B978-0-323-90620-3.00009-X>

Conference/Symposium/Workshop Organized [during last five years: 2017-2022]

- 1- One Day University level Seminar on occasion of World Tuberculosis Day on March 24, 2018.
- 2- Webinar on "How to read scientific literature and introduction to project MANAV on June 02, 2020.
- 3- National Webinar on "Mass spectrometry in natural products research" on June 24, 2020.
- 4- International Webinar on "Microbial diversity: from health to environment" on June 27, 2020.

Invited Lectures: [during last five years: 2017-2022]

- 1- Invited lecture (**Writing for a publication: Research and Review Article &**

Reference Management) in Faculty Development Programme, organized by IQAC-Shri Murli Manohar Town P.G. College, 24-29 Aug, 2020.

- 2- Invited lecture (**Microbes and Their Industrial Prospects**), at School of Applied Sciences, Invertis University, Bareilly. 04 Jan 2021.
- 3- Invited lecture on “**Reference (Citation and Bibliography) management using MS-Word**”, at IIC-HNBSGU summer internship programme. 04 July 2021.

Conference/Symposium/Workshops: [during last five years: 2017-2022]

International:

- 1- (Oral Presentation) ‘Therapeutic Potential of Anti-Microbial Peptides (AMPs)’. **Vineet K. Maurya**, in 6th International Conference on “*Recent Advances in Science (ICRAS-2021)*” Organised by Faculty Of Science, Invertis University, Bareilly in association with Institute of Advanced Materials, Sweden, on 01-02 April 2022..
- 2- (**Oral presentation**) ‘Comparison of Anti-bacterial proteins from *Parthenium hysterophorus* with three antibiotics for their anti-bacterial activity’. **Vineet K. Maurya**, in 5th International Conference on “*Recent Advances in Science (ICRAS-2021)*” Organised by Faculty Of Science, Invertis University, Bareilly on 30-April - 01May, 2021. Received best Oral presentation Award in the conference.
- 3- (**Oral Presentation**)Anti-microbial peptides from a weed (*Euphorbia hirta*), and an invasive plant (*Parthenium hysterophorus*) and their anti-bacterial activity. **Vineet K. Maurya**, International Conference on Medicinal Plants used in Lifestyle Products 2021 (ICMP JU-2021, 8-10 Feb, 2021) organized by Jadavpur University, Sponsored by: National Medicinal Plant Board, Ministry of AYUSH, Gov. of India.
- 4- (**Participation/Poster Presentation**) Antibacterial activity of crude antimicrobial peptides extracted from various mushrooms from Garhwal Himalayas against dental caries pathogens. Reena Gangwar and **Vineet K. Maurya**. International Conference on Medicinal Plants used in Lifestyle Products 2021 (ICMP JU-2021, 8-10 Feb, 2021) organized by Jadavpur University, Sponsored by: National Medicinal Plant Board, Ministry of AYUSH, Gov. of India.
- 5- (**Participation/Poster Presentation**) Isolation and Purification of fungal mycotoxins to study their effects on various plants. International conference on Aerosol, Air quality and Climate change on Himalayan region of Uttarakhand (Oct 21-23, 2018), Department of Physics, HNB Garhwal University, Srinagar (Garhwal).

National:

- 1- (**Participation/Poster Presentation**) Preliminary study on Antimicrobial peptide extracted from mushrooms against dental caries pathogens. Reena Gangwar and **Vineet K. Maurya**. National conference on Recent development in Natural Product Chemistry and Nanotechnology (09-10 Sep 2019). Department of Chemistry, HNB Garhwal University, Srinagar (Garhwal)