


<b>Full Name:</b>	<b>DR. VINEET KUMAR MAURYA</b>			
<b>Designation:</b>	Assistant Professor			
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<b>Highest Educational qualification:</b>		Ph.D. [from CDRI, Lucknow]		
<b>Teaching experience:</b>	11 years	<b>Research Experience:</b>	18 years	
<b>Research Interest and Fields of specialization:</b>				
<ol style="list-style-type: none"> <li>1. Proteomics</li> <li>2. Drug targets discovery</li> <li>3. Drugs from Natural Products</li> <li>4. Anti-Microbial Peptides</li> </ol>				
<b>Honours and Awards:</b>				
<ol style="list-style-type: none"> <li>1. CSIR-NET- JRF &amp; SRF (2006-12)</li> <li>2. GATE-2005</li> </ol>				
<b>Membership of Scientific bodies:</b>				
<ul style="list-style-type: none"> <li>• Life Member of Association of Microbiologist of India (AMI), New Delhi.</li> <li>• Life Member of Indian Peptide Society, New Delhi</li> </ul>				
<b>Research supervision:</b>				
No. of Ph.D. degrees: Awarded (01), Submitted (02)				
No. of Ph. D. students registered: 02				
<b>Administrative Experiences:</b>				
<ol style="list-style-type: none"> <li>1. Senior Programme Officer, NSS Birla Campus Unit, HNBGU.</li> <li>2. Member, Anti-Discrimination Unit, HNBGU.</li> <li>3. Member, UG admission committee</li> <li>4. Member, PG admission committee</li> <li>5. Member, Board of Studies</li> </ol>				
<b>Publications (Total-23):</b>				
<b>Journal articles (during 2018-23):</b>				
<ol style="list-style-type: none"> <li>1. Mishra A. P., Saklani S., Sharifi-Rad M., Iriti M., Salehi B., Sharifi-Rad J., <b>Maurya VK</b>, Rauf A., Milella L., Baghalpour N. (2018) Antibacterial potential of Saussurea obvallata petroleum ether extract: A spiritually revered medicinal plant. <i>Cellular and Molecular Biology. (Noisy le Grand)</i>. 64(8):65-70.</li> <li>2. Saklani S., Rawat Y., Plygun S., Ali Shariati M., Nigam M., <b>Maurya V. K.</b>, Yadav A., Mishra A. P. (2019) Biological activity and preliminary phytochemical screening of <i>Terminalia alata</i> Heyne Ex. Roth. <i>Journal of Microbiology, Biotechnology and Food Sciences</i>. 8(4): 1010-1015.</li> <li>3. Khajuria AK, Negi A, Bisht NS, <b>Maurya VK</b>, Kandwal A. (2019) Green Synthesis, Characterization and Antimicrobial Activity of Zinc Oxide Nanoparticles Using Root Extract of <i>Viola canescens</i> Wall. ex. Roxb. <i>Asian Journal of Chemistry</i>. 31(3), 551-554.</li> </ol>				

4. 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.
5. 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.
6. Arya P, Mehta JP, **Maurya VK.\*** (2021) Methanolic Extract of *Angelica glauca* Edgew 'Root and Stem': A Possible Component of Herbal Medicines against Respiratory Infections. *Indian Journal of Pharmaceutical Education and Research*. 55(2s), s552-s562.
7. 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.
8. 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.
9. **Maurya V K\***, Singh A, Srivastava N, Saxena K, Agnihotri A (2021) Comparing Anti-bacterial activity of 'Anti-bacterial proteins' from *Parthenium hysterophorus* with three antibiotics. *Invertis Journal of Renewable Energy*, Vol. 11 (4):211-217. 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.
10. 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.11(2):1-10.
11. 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
12. 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*. 36(2): 183-191.
13. 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.
14. Naseri M Mona, Naseri M Mohd., **Maurya VK**, Shams S, and Pitaloka AE Dian. (2023) Epitope base vaccine design against the membrane and nucleocapsid proteins of SARS-CoV-2. *Dental and Medical Problems*. 60(3):489-495.

#### **Books Chapters: ( during 2018-23)**

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. 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, Chuarasia 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 (pp 245-257) ISBN: 978-0-323-90620-3.
13. Yadav DK, Mathur H, Kumari N, Maurya VK, Khan MF, Mishra DP (2022) Development of Traditional System of Medicine in India, Prospects of Traditional Medicine. Chapter-1. In: Chohadia AK, Nirwan N, Pareek C, Gayatri (Eds.) *Global Environmental Science: Issues and Solutions (Part-D: Eco-Friendly Perspectives)*. Raj Publishing House, Jaipur, India. (pp 1-15) ISBN: 978-93-91777-61-6.
14. Yadav DK, Mathur H, Kumari N, Maurya VK, Khan MF, Mishra DP (2022) Alternative System of Medicine: A Holistic Approach to Cure Human Being. Chapter-4. In: Chohadia AK, Nirwan N, Pareek C, Gayatri (Eds.) *Global Environmental Science: Issues and Solutions (Part-D: Eco-Friendly Perspectives)*. Raj Publishing House, Jaipur, India. (pp 41-53) ISBN: 978-93-91777-61-6.
15. Chaurasia U, Joshi A, Kumar A, Merkle W, Nägele Hans-J, Maurya D K, Jayashwal D, Srivastava N, Maurya V K. (2023). Microbial intervention in waste remediation for bio-energy production. Chapter-7, In: Kashyap BK, Solanki MK (Eds.) *Current Research Trends and Applications in Waste Management*. (pp 163-190). Springer Nature, Singapore. ISBN 978-981-99-3105-7, ISBN 978-981-99-3106-4 (eBook)
16. Kumar A#, Neeraj#, Chaurasia U, Maurya D K, Basu S, Kumar A, Maurya V K\* (2023) 'Omics' approaches for structural and functional insights of 'Waste to Energy' Microbiome. Chapter-14, In: Kashyap BK, Solanki MK (Eds.) *Current Research Trends and Applications in Waste Management*. (pp 371-402). Springer Nature, Singapore. ISBN 978-981-99-3105-7, ISBN 978-981-99-3106-4 (eBook)
17. Goel D, Maurya VK, Kumar S. (2023) Wastewater Treatment: Perspective and Advancements. Chapter- 11. In: Soni R, Suyal DC, Morales-Oyervides L, Chauhan JS (Eds.) *Current Status of Fresh Water Microbiology*. (pp 265-287). Springer Singapore. ISBN (Print): 978-981-99-5017-1, eISBN: 978-981-99-5020-1.
18. Saxena R, Mitra A, Joshi S, Sharma R, Rai PK, Ansari S, Mirza N, Srivastava N, Maurya VK. (2024) Potential pharmacological health benefits of flavonoids. Chapter-6. In: Saini D, Kesharwani RK, Keservani RK (Eds.) *The Flavonoids: Extraction and applications* (pp:101-130). CRC Press. Taylor and Francis group. Hard cover ISBN: 9781774913772, E-Book ISBN: 9781003399964.

**Conference/Symposium/Workshop Organized** [during last five years: 2018-2023]

- 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: 2018-2023]

- 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-HNBGU summer internship programme. 04 July 2021.

**Conference/Symposium/Workshops:** [during 2018-2023]

**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)