



Name : **Dr. Bhim Pratap Singh**

Present Designation : **Professor and Head**
Department of Agriculture and Environmental Sciences

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Educational Qualification with affiliation :

S. No	Exam Passed	Board/University	Year
1	Bachelor of Science (B. Sc)	Lucknow Christian Degree College (Lucknow University)	2001
2	Masters of Science (M. Sc in Biotechnology)	Bundelkhand University, Jhansi	2003
3	Doctorate of Philosophy (Ph.D in Biotechnology)	Bundelkhand University/NBAIM (ICAR), Mau.	2008

Post-Doc assignments : University of Aberdeen, Scotland, United Kingdom (UK)

Working with NIFTEM since : 16th March 2020

Areas of interest and specialisation : Microbial Natural products; Postharvest disease Management

Research projects (ongoing) : 01

Research projects (Completed) : 11

Books edited : 07 (04 Springer; 03 Elsevier)

Research publications (Top 5-10) :

- Roy P, Gahlawat VK, Saravanan C, **Singh BP (2023)**. Enhancing bioflavor production by solid-state fermentation using *Kluyveromyces marxianus* and L-phenylalanine. *J Basic Microbiol*. 2023 Jan;63(1):75-91. doi: 10.1002/jobm.202200503. Epub 2022 Nov 6. PMID: 36336635. ISSN: 0233-111X **(IF: 3.10)**.
- Karnam, S., Jindal, A.B., Agnihotri, C., **Singh B.P.**, and Paul A.T. (2023). Topical Nanotherapeutics for Treating MRSA-Associated Skin and Soft Tissue Infection (SSTIs). *AAPS PharmSciTech* 24, 108 (2023). <https://doi.org/10.1208/s12249-023-02563-2> ISSN: 1530-9932. **(IF:3.30)**.
- Iqbal M.A., Passari A.K., Jagannadham J., Ahmad F., Leo V.V., Singh G., Jaiswal S., Rai A., Kumar D., and **Singh B.P. (2021)**. Microbiome of Pukzing Cave in India shows high antimicrobial activity against plant and animal pathogens. *Genomics*, 113(6): 4098-4108. <https://doi.org/10.1016/j.ygeno.2021.10.004> (ISSN: 0888-7543) **(IF: 4.40)**.

4. Deka, P., Mehetre G.T, Lalnunmawii E., Upadhyaya K., Singh G., Hashem A., Fahad Al-Arjani A.B., Abd_Allah E. F., and Bhim Pratap Singh B.P., (2021). Metagenomic Analysis of Bacterial Diversity in Traditional Fermented Foods Reveals Food-Specific Dominance of Specific Bacterial Taxa. *Fermentation*, 7 (3):167. <https://doi.org/10.3390/fermentation7030167>. (ISSN: 2311-5637) (IF: 3.70).
5. Dar T.U.H., Dar S.A., Islam S.U., Mangral Z.A., Dar R., Singh B.P., Verma P. and Haque S. (2021). Lichens as a repository of bioactive compounds: an open window for green therapy against diverse cancers. *Seminars in Cancer Biology*, <https://doi.org/10.1016/j.semcaner.2021.05.028>. ISSN: 1044-579X (IF: 14.50).
6. Pramod Kumar, Heera Ram, Chandra Kala, Priya Kashyap, Garima Singh, Charu Agnihotri, Bhim Pratap Singh, Ashok Kumar & Anil Panwar (2022) DPP-4 inhibition mediated antidiabetic potential of phytoconstituents of an aqueous fruit extract of *Withania coagulans* (Stocks) Dunal: in-silico, in-vitro and in-vivo assessments, *Journal of Biomolecular Structure and Dynamics*, DOI: 10.1080/07391102.2022.2103029 (ISSN: 0739-1102) (IF: 4.40).
7. Iquebal, M.A., Jaiswal, S., Mishra, V.K., Jasrotia, R.S., Angadi, U.B., Singh, B.P., Passari, A.K., Deka, P., Prabha, R., Singh, D.P., Gupta, V.K., Tomar, R.S., Oberoi, H.S., Rai, A., Kumar, D. (2021) Fungal Genomic Resources for Strain Identification and Diversity Analysis of 1900 Fungal Species. *Journal of Fungi*, 7, 288. <https://doi.org/10.3390/jof7040288>. ISSN 2309-608X (IF: 4.70).
8. Ram H., Kumar P., Purohit A, Kashyap P., Kumar S., Kumar S., Singh G., Alqarawi A.A., Hashem A., Abd-Allah E.F., Singh B.P. (2021). Improvements in HOMA indices and pancreatic endocrinal tissues in type 2-diabetic rats by DPP-4 inhibition and antioxidant potential of an ethanol fruit extract of *Withania coagulans*. *Nutr Metab (Lond)* 18, 43 (2021). <https://doi.org/10.1186/s12986-021-00547-2>. ISSN: 1743-7075 (IF: 4.50)
9. Zothanpuia, Zomuansangi, R., Leo, V.V., Passari A., Yadav M.K. and Singh B.P (2021). Antimicrobial sensitivity profiling of bacterial communities recovered from effluents of municipal solid waste dumping site. *3 Biotech*: 11 (37). doi: 10.1007/s13205-020-02548-z. ISSN 2190-5738 (IF:2.80)
10. Mehetre, G.T.; Leo, V.V.; Singh, G.; Sorokan, A.; Maksimov, I.; Yadav, M.K.; Upadhyaya, K.; Hashem, A.; Alsaleh, A.N.; Dawoud, T.M.; Almaary, K.S.; Singh, B.P. (2021). Current Developments and Challenges in Plant Viral Diagnostics: A Systematic Review. *Viruses* 2021, 13, 412. <https://doi.org/10.3390/v13030412>. ISSN: 1999-4915 (IF:5.81)

Awards/Fellowships/ Special Attainments : DBT Overseas Associateship during 2012

(Bhim Pratap Singh)