Publications

S. No.	Article Details	Year of Publication
1	**Mahendra K**, Nakkeeran S, Saranya N, Janani R, Malathi V G, Saleh A, Mohammad J A, Sayyed RZ, Hooi R L, Pau L S (2022). Pan Genome analysis and molecular docking unveil the biocontrol potential of *Bacillus velezensis* VB7 against *Phytophthora infestans*. *Microbiological Research*. **268**: 127277.	2022
2	Janani R, Sudha A, **Mahendra K,** Ragapriya V, Saranya N, Nakkeeran S (2022). Deciphering the biomolecules from Bacillus atrophaeus NMB01 untangles the anti-oomycetes action of Trioxsalen and Corynan-17-ol, against Phytophthora infestans inciting late blight of potato. *Indian Journal of Microbiology*. doi:10.1007/s12088-022-01044-7.	2022
3	**Mahendra K,** Baiswar P, Chandra S, Choudhury BU, Majumder D, Rajesh T, Firake DM. (2016). Molecular characterization and influence of soil factors on isolates of *Rhizoctonia solani* in Meghalaya. *Indian Phytopathology*. **69**(3): 271-277.	2016
4	**K. Mahendra**, S. Nakkeeran, T. Raguchander, K. Angappan, U. Sivakumar and L. Arul (2022). Mining the Biomolecules of *Pseudomonas aeruginosa* Reveals the Anti-oomycetes Nature Against *Phytophthora infestans*, the incitant of Late Blight of Potato. *Biological Forum – An International Journal.* **14**(2): 645-650.	2022
5	**K. Mahendra**, S. Nakkeeran, R. Janani, N. Saranya, T. Raguchander, K. Angappan, U. Sivakumar and L. Arul (2022). In silico analysis of 1H-1,2,4-Triazole, 1-octadecanoyl Revealed anti-oomycete Nature against *Phytophthora infestans* causing Late Blight of Potato. *Biological Forum – An International Journal*. **14**(2): 732-736.	2022
6	R. Janani, A. Sudha, S. Nakkeeran, **K. Mahendra**, N. Saranya and S. Haripriya (2022). Molecular Docking Reveals 2,4-Di-tert-butylphenol as a Novel Biomolecule of *Bacillus atrophaeus* Origin for the Management of *Phytophthora infestans*. Biological Forum – An International Journal, **14**(2): 1531-1535.	2022
7	Krishna Nayana R.U., Nakkeeran S., Saranya N., Raveendran M., Saravanan R., **Mahendra K**. and Suhail Ashraf (2022). In silico Analysis of biomolecules produced by Bacterial Endophyte *Bacillus velezensis* YEBBR6 for the Management of *Fusarium oxysporum* f. sp. *cubense*. Biological Forum – An International Journal, 14(2a): 389-397.	2022
8	B. Kushmitha, I. Johnson, **K. Mahendra**, R. Anandham, N. Saranya and S. Nakkeeran (2022). Isolation and Identification of *Pyricularia* sp., the Incitant of Pearl Millet Blast in Tamil Nadu. Biological Forum – An International Journal, 14(3): 01-07.	2022
9	Suhail Ashraf, Nakkeeran S., Saranya N., Jothi G., J. Gulsar Banu, S. Mohankumar, Saravanan R., **Mahendra K**. and Krishna Nayana R.U. (2022). Computational Analysis Reveals 10-Acetyl-9,10-dihydroacridine as a Novel Biomolecule from *Bacillus licheniformis* (MW301654) Possessing Nematicidal Property against Banana Root Knot Nematode *Meloidogyne incognita*. Biological Forum – An International Journal, 14(3): 363-370.	2022

10	Nayana, R.K., Nakkeeran, S., Saranya, N., Saravanan, R., Mahendra, K., Ashraf, S., Perveen, K., Alshaikh, N.A., Sayyed, R.Z. and Show, P.L., 2023. Triamcinolone acetonide produced by Bacillus velezensis YEBBR6 exerts antagonistic activity against Fusarium oxysporum f. sp. Cubense: a computational analysis. *Molecular Biotechnology*, pp.1-19.	2023
11	Kushmitha, B., Ashraf, S., Nakkeeran, S., Johnson, I., Saranya, N., Mahendra, K. and Raish, M., 2025. Whole genome sequencing of rice endophyte Bacillus paralicheniformis NB stem 4: A potential biocontrol agent for the suppression of pearl millet blast disease. *Physiological and Molecular Plant Pathology*, *138*, p.102663.	2025
12	Ragunathan, J., RU, K.N., Ashraf, S., Nakkeeran, S., Nallusamy, S., Mahendra, K. and Raish, M., 2025. Nonanol, an Induced Biomolecule Produced by Bacillus atrophaeus NMB01 During Interaction With Phytophthora infestans Can be Explored as a Novel Formulation for the Management of Late Blight of Potatoes. *Journal of Basic Microbiology*, p.e70033.	2025
Patent	KANTHAN, B.L., SAMBAMOORTHY, B., CHINNASAMY, B., CHINNUSAMY, K., MURTHY, V., SPIRAMAN, G., **KADIRI, M.**, SEVUGAPPERUMAL, N., LOGANATHAN, A. and Uthandi, S., TAMIL NADU AGRICULTURAL UNIVERSITY, 2025. *Bio-fungicides formulations for inhibiting phytophthora infestans and method thereof*. U.S. Patent Application 18/695,879.	2025
Book Chapters		
1	Nakkeeran, S., Rajamanickam, S., Karthikeyan, M., Mahendra, K., Renukadevi, P. and Johnson, I., 2021. Antimicrobial secondary metabolites from Trichoderma spp. as next generation fungicides. *Biocontrol agents and secondary metabolites*, pp.257-282.	2021
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Conferences:

S. No	Name of the Author	Title of the Paper	Name of the Conference	National/International
1	Dr. Kadiri Mahendra	From local innovation to global solution *Bacillus safensis* TN1F2: A microbial marvel in the fight against potato late blight	NABS 14th NABS National Conference on Innovations in Biology and Biotechnology for their application in Agriculture and Animal Science for Food Security. (2025)	National

2	Dr. Kadiri Mahendra	Novel encapsulation of endophytic bacteria and Trichoderma against *Macrophomina* in beans	61st Croatian and 21st International Symposium on Agriculture (2026)	International