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1) Research Articles Published

- 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.
- 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:doi:10.1007/s12088-022-01044-7
- 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.
- 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.
- 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.
- 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.
- 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.
- 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):45839
- 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.

3. Book Chapters

- S. Nakkeeran, S. Rajamanickam, M. Karthikeyan, K. Mahendra, P. Renukadevi and I. Jhonson. Antimicrobial secondary metabolites from *Trichoderma* spp. as next generation fungicides. *Biocontrol agents and secondary metabolites -Applications and immunization for plant growth and protection* Edited by Sudisha Jogaiah. Woodhead, 2021.

4. Patents

S. No.	Title of Patent	Patent No.	Date Filed	Status (granted/under review)
1	Bio-fungicides formulations for inhibiting <i>Phytophthora infestans</i> and method thereof	1134/17 (IN202141020069)	01-05-2021	Under review
2	Novel method of isolation of <i>Phytophthora infestans</i>	1134/16 (IN202141020068)	01-05-2021	Under review
3	Bio-fungicides formulations for inhibiting <i>Phytophthora infestans</i> and method thereof	18/695,879 (US Patent & Trademark Office- PCT/IN2022/050877)	27-03-2024	Under review