

## REFFERECES

- Afandhi, A., Syamsidi, S., R., C., S., Mimbar, S., M., and Wiroatmodjo, B. 2012. Isolation and Phenotypic Characterization of Morphology in Fungus *Beauveria bassiana* (Balsamo) Vuillemin Colony Naturally from Leaf Surface, Soil, and Insect as Host in Tomato Plantation, *Agrivita*, vol 34 No. 3. ISSN: 0126-0537.
- Aguilar-Marcelino, L., Mendoza-de-Gives, P., Al-Ani, L. K. T., Lopez-Arellano, M. E., Gomez-Rodriguez, O., Villar-Luna, E., and Reyes-Guerrero, D. E. Using molecular techniques applied to beneficial microorganisms as biotechnological tools for controlling agricultural plant pathogens and pest, *Molecular Aspects of Plant Beneficial Microbes in Agriculture*, pp. 333-349. doi: 10.1016/b978-0-12-818469-1.00027-4.
- Ali, S. 2010. Isolation, identification, and pathogenicity assessment of a new isolate of entomopathogenic fungus, *Beauveria bassiana* in Iran, *Journal of Plant Protection Research*, 50(2), pp. 158-163.
- Aneesh, D. 2017. Life Cycle, Bio-ecology, and DNA Barcoding of mosquitoes *Aedes aegypti* (Linnaeus) and *Aedes albopictus* (Skuse). *Journal Of Communicable Diseases*, 49(3), pp.32-41.
- Bukhari, T., Takken, W. and Koenraadt, C. 2011. Development of *Metarhizium anisopliae* and *Beauveria bassiana* formulations for control of malaria mosquito larvae, *Parasites & Vectors*, 4(1). doi: 10.1186/1756-3305-4-23.
- Calvez, E., Guillaumot, L., Girault, D., Richard, V., O'Connor, O., Paoaafaite, T., Teurlai, M., Pocquet, N., Cao-Lormeau, V., and Dupot-Rouzeyrol, M. 2017. Dengue-1 virus and vector competence of *Aedes aegypti* (Diptera: Culicidae) populations from New Caledonia, *Parasites & Vectors*, 10(1). doi: 10.1186/s13071-017-2319-x.
- Clifton, E., Jaronski S. T., Wodgson, E., and Gassmann, A. 2015. Abundance of Soil-Borne Entomopathogenic Fungi in Organic and Conventional Fields in the Midwestern USA with an Emphasis on the Effect of Herbicides and

Fungicides on Fungal Persistence, *PLOS ONE*, 10(7), p. e0133613. doi: 10.1371/journal.pone.0133613.

*Culex Species Eggs, Larvae, Pupae, and Adults*. 2022. *Centers for Disease Control and Prevention*. Centers for Disease Control and Prevention. Available at: <https://www.cdc.gov/mosquitoes/gallery/Culex/index.html>

Dorn, P., Noireau, F., Krasfur, E., Lanzaro, G., and Cornel, A. 2011. Genetics of Major Insect Vectors", *Genetics and Evolution of Infectious Disease*, pp. 411-472. doi: 10.1016/b978-0-12-384890-1.00015-7.

García-Munguía, A., Garza-Hernandez, J. A., Rebollar-Tellez, E., Rodriguez-Perez, M., and Reyes-Villanueva, F. 2011. Transmission of *Beauveria bassiana* from male to female *Aedes aegypti* mosquitoes, *Parasites & Vectors*, 4(1). doi: 10.1186/1756-3305-4-24.

Hariani, N., Wulandari, E. and Dharma, B. 2018 Effectiveness of *Beauveria bassiana* Powder as Larvacide to *Aedes aegypti* Linnaeus, 1762 Larvae, *Jurnal ILMU DASAR*, 19(1), p. 45. doi: 10.19184/jid.v19i1.5383.

Keller, S., Kessler, P., and Schweizer, C. 2003. Distribution of Insect Pathogenic Soil Fungi in Switzerland with Special Reference to *Beauveria brongniartii* and *Metarhizium anisopliae*, *Springer*, Volume 48, p. 307-319

Kulu, I., Abadi, A. and Afandhi, A. 2015. Morphological and molecular identification of *Beauveria bassiana* as entomopathogen agent from Central Kalimantan peatland, Indonesia.", *International Journal of ChemTech Research*, 8(4), pp. 2079-2084.

Lee, N., Clements, G., Ying, A., Wong, Z., and Yek, S. 2020. Persistent mosquito fogging can be detrimental to non-target invertebrates in an urban tropical forest, *PeerJ*, 8, p. e10033. doi: 10.7717/peerj.10033.

Life Cycle of *Aedes aegypti* and *Ae. albopictus* Mosquitoes. 2022. *Centers for Disease Control and Prevention*. Available at: <https://www.cdc.gov/mosquitoes/about/life-cycles/Aedes.html>

- Liu, H., Zhao, X., Guo, M., Liu, H., and Zheng, Z. 2015. Growth and metabolism of *Beauveria bassiana* spores and mycelia, *BMC Microbiology*, 15(1). doi: 10.1186/s12866-015-0592-4.
- McGuinness, S. and Wu, H. 2019. Pretravel Considerations for Non-Vaccine-Preventable Travel Infections, *Travel Medicine*, pp. 53-60. doi: 10.1016/b978-0-323-54696-6.00007-0.
- Posadas, J., Comerio, R., and Leucona, R. 2012. A novel dodine-free selective medium based on the use of cetyl trimethyl ammonium bromide (CTAB) to isolate *Beauveria bassiana*, *Metarhizium anisopliae sensu lato* and *Paecilomyces lilacinus* from soil, *Mycologia*, 104(4), pp. 974-980. doi: 10.3852/11-234.
- Quintero-Zapata, I., Flores-González, M. S., Luna-Santillana, E. J., Arroyo-González, N. and Gandarilla-Pacheco, F. L. 2021. Late effects of *Beauveria bassiana* on larval stages of *Aedes aegypti* Linneo, 1762 (Diptera: Culicidae), *Brazilian Journal of Biology. Instituto Internacional de Ecologia*. pp. 82, doi: 10.1590/1519-6984.237789.
- Rohrlich, C., Merle, I., Mze Hassani, I., Verger, M., Zuin, M., Besse, S., Robène, I., Nibouche, S., Costet, L. 2018. Variation in physiological host range in three strains of two species of the entomopathogenic fungus *Beauveria*. *PLoS One*. 5;13(7):e0199199. doi: 10.1371/journal.pone.0199199. PMID: 29975710; PMCID: PMC6033404.
- Schumacher, S. and Campbell, J. 2018. Travel Medicine, *Urgent Care Medicine Secrets*, pp. 352-357. doi: 10.1016/b978-0-323-46215-0.00056-2.
- Supriyono, S., Soviana, S., Musyaffa, M. F., Novianto, D. and Hadi, U. K. 2023. Morphological characteristic of dengue vectors *Aedes aegypti* and *Ae. albopictus* (Family: Culicidae) using advanced light and scanning electron microscope, *Biodiversitas Journal of Biological Diversity*. pp. Vol. 24 No. 2, doi: 10.13057/biodiv/d240227.
- Syamsulhadi, M., Ramadhan, V., T., and Widhayanti, T. 2023. The Growth of *Beauveria bassiana* Fungi at Several Levels of Media Acidity and Storage

Temperature and its Effectiveness Against *Spodoptera litura* Pests. *Jurnal HPT (Hama Penyakit Tumbuhan)*, 11(2), 28-41

Tolley, H.D., Barnes, J.M. and Freeman, M.D. 2016. Survival analysis, *Forensic Epidemiology*, pp. 261–284. doi:10.1016/b978-0-12-404584-2.00010-0.

Urdaneta-Marquez, L. and Failloux, A. 2011. Population genetic structure of *Aedes aegypti*, the principal vector of dengue viruses, *Infection, Genetics and Evolution*, 11(2), pp. 253-261. doi: 10.1016/j.meegid.2010.11.020.

Wang H, Peng H, Li W., Cheng P, Gong M. 2021. The Toxins of *Beauveria bassiana* and the Strategies to Improve Their Virulence to Insects, *Frontiers in microbiology. U.S. National Library of Medicine*. pp. 12:795343. doi: 10.3389/fmicb.2021.705343.

Wang, Y., Fan, Q., Wang, D., Zou, W.-Q., Tang, D.-X., Hongthong, P. and Yu, H. 2022. Species Diversity and Virulence Potential of the *Beauveria bassiana* Complex and *Beauveria scarabaeidicola* Complex, *Frontiers in microbiology. U.S. National Library of Medicine*. pp. 13: 841604, doi: 10.3389/fmicb.2022.841604

World Health Organization. 2024. Dengue Situation Update – 5<sup>th</sup> Edition, *Disease Outbreak News*, [who.int/emergencies/disease-outbreak-news/item/2024-DON518](http://who.int/emergencies/disease-outbreak-news/item/2024-DON518).