



Dr. B. Madhumitha, M.Sc. (Ag.), Ph.D.

Assistant Professor (Plant Pathology)

Department of Agriculture

Karunya Institute of Technology and Sciences

madhumitha@karunya.edu

Academic Background

Degree	University	Year
Ph.D	Tamil Nadu Agricultural University, Coimbatore	2019
M.Sc.	Tamil Nadu Agricultural University, Coimbatore	2015
B.Sc.	Tamil Nadu Agricultural University, Coimbatore	2013

Courses Taught

- Fundamentals of plant pathology
- Diseases of field and horticultural crops and their management-I
- Diseases of field and horticultural crops and their management-II
- Diseases of fruits, medicinal and aromatic crops
- Integrated pest and disease management
- Practical Crop production technology
- Crop production technology of Kharif crops
- Principles of Organic Farming
- Introductory to forestry
- Manures, fertilizers and pesticides
- Experiential Learning Program – Mushroom cultivation

Research Interests

- Plant virology
- Molecular host pathogen interaction
- Eco-friendly management of plant diseases

MOST RECENT PUBLICATIONS

- **Balasubramaniam Madhumitha**, Adhimoolam Karthikeyan, Gurusamy Poornima Devi, Karuppiah Eraivan Arutkani Aiyathan and Manickam Sudha. 2020. Comparative evaluation of biochemical changes in the leaves of resistant and susceptible mungbean plants infected by Mungbean Yellow Mosaic Virus. *Research journal of biotechnology*. Vol. 15 (2).
- **B. Madhumitha**, K. Eraivan Arutkani Aiyathan, M. Kanimoli Mathivathana and M. Sudha. 2019. Field and Agroinoculation Screening for Resistance against MYMV in Mungbean Backcross Populations. *International Journal of Current Microbiology and Applied Sciences*. 8(4): 2154-2159
- **B. Madhumitha**, K. Eraivan Arutkani Aiyathan and M. Sudha. 2019. Coat protein-based characterization of Mungbean yellow mosaic virus in Tamil Nadu. *Journal of Pharmacognosy and Phytochemistry*.8(2): 2119-2123.
- **B. Madhumitha**, A. Karthikeyan, M. Kanimoli Mathivathana, K. Eraivan Arutkani Aiyathan, and M. Sudha. 2019. Evaluation of *Vigna* germplasms for resistance to Mungbean Yellow Mosaic Virus using agro inoculation. *Electronic Journal of Plant Breeding*.10 (2): 692-698
- **B. Madhumitha**, M. Kanimoli Mathivathana and M. Sudha. 2019. Identification of MYMV resistant donors through agro-inoculation and validation of linked marker(s) in black gram [*Vigna mungo* (L.) Hepper]. *Electronic Journal of Plant Breeding*. 10 (4): 1454-1460.