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Dr. C. Vani's Profile



Dr. C. Vani M.Sc., M.Phil., Ph.D

DESIGNATION: Assistant Professor (SG)

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Date of Joining : 15/06/2009

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Academic Background

Degree	University	Year
Ph.D Biotechnology	Bharathiar University	2008
M.Phil Animal Sciences	Bharathiar University	1993
M.Sc Animal Sciences	Bharathiar University	1992

Courses Taught

- Animal Biotechnology
- Molecular Biology
- Genetic Engineering

- Cell Biology and Molecular Signaling
- Cancer Biology

Research Interests

- Development of Cytotoxic drug against Dengue Virus Type 2 serotype and its mode of Action in *Aedes aegypti* cell line and A549 cell line infected with Dengue Virus
- Development and formulation of Biological control agents for the control of *Aedes aegypti* Dengue Vector using *Xenorhabdus* spp bacteria
- Mass Production of Entomopathogenic Nematodes for the control of White Grubs in Sugarcane crops
- Identification of Acetylcholine Esterase Inhibitors from *Lactobacillus plantarum* for the treatment of Alzheimer's Disease

MOST RECENT PUBLICATIONS

- Jissin, M., Vani Chandrapragasam. 2020. Biogenic larvicidal formulation of metabolites from Steinernema saimkayi symbiont *Xenorhabdus stockiae* KUT6 against dengue vector *Aedes aegypti*. Tropical Biomedicine. 37(3) PP. 791-802
- Shani K. John and Vani C (2020). In vitro antioxidant activity of *Lactobacillus plantarum* against hydrogen peroxide-induced neuronal damage on PC12 cells- Journal of Applied Biology and Biotechnology. 8(5):pp 84-87.
- Shani K John, Vani C and Pinaki Dey (2021). Impact of Gut Microbiome *Lactobacillus* spp. in Brain Function and its Medicament towards Alzheimer's Disease Pathogenesis *J Pure Appl Microbiol.*

PATENTS PUBLISHED/GRANTED

- Dr.C.VANI, and LALITHAMBIKA B. Process of extraction of Biopesticidal compound against *Aedes aegypti* Dengue vector using *Pseudomona*, Botechnology, 202041008663, Feb 28 2020 12:00AM
- P. LEVIN ANBU MICHELE GOMEZ, DR. C. VANI Chicken Antibody Generation Against Microbial Pathogen *Bacillus Cereus* from Human Nail, Immunology, 201941048986, Nov 28 2019 12:00AM

- DR. JACOB ANNAMALAI, DR. JIBU THOMAS, DR. C. VANI, DR. MUTHUKUMAR NADAR, DR. JESSE JOEL “KaViD – KARUNYA DISINFECTION CHAMBER” vide Patent application No. 202041020677 dated 15.05.2020

Memberships in Professional Bodies

- Indian Science Congress
- Entomological Society of India