

Dr. P.Levin Anbu Michele Gomez's profile



Dr. P.Levin Anbu Michele Gomez. M-Tech, Ph.D

DESIGNATION : Assistant Professor

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Date of Joining:07/01/2008

Academic Background

Degree	University	Year
Ph.D	Karunya Institute of Technology & Sciences	2019
M.Tech.	Annamalai University	2008
B.Tech.		2006

Courses Taught

- Heat and Mass Transfer Operations
- Bioprocess Engineering
- Fluid Mechanics
- Nanobiotechnology
- Immunology

Research Interests

- Immunotechnology approaches, special interest on Chicken Antibodies
- Bioprocess Engineering - Fermentation Technology
- Nanobiotechnology based Drug Design
- Rabies Viral Development and cure
- Brain Behavioral studies on Mice

MOST RECENT PUBLICATIONS

- Biogenically engineered silver nanoparticles using bael leaf extract and evaluation of its therapeutic potential
- Therapeutic efficacy of total flavonoid content as a potent antimicrobial in the ethanolic and methanolic extracts of *Camellia sinensis* on oral pathogens
- Evaluation of biocontrol efficacy of herbal and bioformulations against root rot pathogen *Fusarium solani* in tomato
- Down regulating colour and toxicity of effluent using microaerophilic bioreactor
- Isolation, characterization, comparative analysis of anti-rabies antibodies raised in chicken and rabbit

PROJECTS HANDLED

- Isolation and Characterization of Anti Rabies Chicken egg yolk antibodies
- Development of a Microbial Fuel Cell using Beetroot dye as a mediator

PATENTS PUBLISHED/GRANTED

CHICKEN ANTIBODY GENERATION AGAINST MICROBIAL PATHOGEN *Bacillus cereus* FROM HUMAN NAIL.” Patent Published, Patent No. 201941048986

Memberships in Professional Bodies

- Lifetime member of “Indian Institute of Chemical Engineers” from 9th December 2019 till date.
- Lifetime Member of “International Brain Research Organization – Thaliand” from 10th July 2008 till date.