

## PROFESSIONAL EXPERIENCE

### ● RESEARCH INTERN, TAIPEI MEDICAL UNIVERSITY, TAIWAN

- Conducted experiments research analyzing hypothalamic NPFFR2 overexpression and its effects on depression-like behaviour and metabolic changes in mice.

- Performed animal handling, behavioral assays (sucrose preference, open field tests), immunohistochemistry, immunofluorescence, and protein expression analysis (western blotting).

- Developed scientific documentation and reported findings, collaborating within an international research environment.

### ● PROJECT, KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE; JSS COLLEGE OF PHARMACY, OOTY, INDIA

- Done a research project on the development and optimization of peppermint oil-loaded niosomal hydrogel to enhance antimicrobial properties against multidrug-resistant bacteria.

- Designed and executed experiments in nanoparticle synthesis, hydrogel formulation, characterization (TEM, FTIR, DLS), and *in-vitro* antimicrobial testing.

- Presented project results, demonstrating ability to translate basic research into applied scientific solutions.

### ● INTERN TAMILNADU AGRICULTURAL UNIVERSITY, MADURAI, INDIA

- Learned and applied mushroom cultivation techniques in a laboratory setting, gaining experience in agriculture-based biotechnology.

### KEY SKILLS AND STRENGTHS:

- Laboratory expertise in molecular biology, drug delivery systems, and neurobiology.

- Proficient in scientific data analysis, technical reporting, and animal research protocols.

- Experience working collaboratively in multicultural and multidisciplinary teams.