

III. OBJECTIVES

1. To study the phagocytosis and killing assay of *Penicillium marneffe* and *Penicillium citrinum* using mouse macrophage J774.1 cells.
2. To isolate and characterize putative virulence genes of *P. marneffe*.
3. To study differential expression of putative virulence genes of *P. marneffe* in different phases and during macrophage infection.