OBJECTIVES OF WORK
1.) To investigate the correlation of parasite load with the dynamicity and evolution of immune regulation by different subsets of T cells, B cells, and DCs, and cytokines like TGF-β, IL-4, IL-10, IL-12, IFN-γ and IL-35 etc. with the development and progression of the visceral leishmaniasis in murine experimental model (Chapter 1).

2.) To explore whether regulatory T cells are involved in controlling the disease by facilitating timely homing of immune effector cells to the site of infection or whether they contribute in the development and progression of the visceral leishmaniasis (Chapter 1).

3.) To study the role of Th17 cells and their cytokines in murine visceral leishmaniasis (Chapter 2).

4.) To evaluate a new ergosterol rich liposomal amphotericin B formulation, KAL$OME^{TM}10$ for its leishmanicidal efficacy, tolerability and immunomodulatory activity (Chapter 3).