3. OBJECTIVES:

3.1 RATIONALE FOR THE PRESENT INVESTIGATION:

The present study aims on identifying the plant sources from Andhra Pradesh, which involve in the modulation of immune response. Immunomodulation can of two type namely, immunosuppression and immunostimulation. Immunostimulation is a mechanism, which enhances one or more specific functions of the immune system or modifies the components of immunoregulatory network of immune response to meet its objective.

Basing on available information from general literature survey, different plant sources were selected for investigating immunomodulatory property. Present study attempts to identify and characterize the immunomodulatory compound(s) and discusses possible options in therapy of different disorders of immune system.

Following are the objectives for the present investigation:

1. Screening of different medicinal plants for the identification of potent immunomodulatory plant source.


3. The testing of different plant sources inducing humoral and cell mediated responses in murine mode and identification of potential plant source showing immunomodulatory activity.

4. The activity guided organic fractionation of potent plant source

5. Structural analysis for the identification of putative compound using standard and advanced analytical techniques.