AIM AND OBJECTIVES:

Although field of pharmacognosy encompasses rich treasure of flora known to mankind for medicinal or cosmetic purposes, there are still some plants which world is unaware of. Study of such plants is done under specialized branch of pharmacognosy called Ethnobotany (Ethno = Ethic / Traditional Botany = Study of plants)

Various reasons have been thought off as to why such plants have not been known so widely popularly as others. Amongst few reasons are language barrier by which communication gap could arise. Language barrier means cultural religious barrier which prevented such knowledge to be spread amongst people of other races tribes.

Thus practitioners of either of these systems are unaware of other. This ‘ipso facto’ used to remain trade secret amongst ‘Vedas’ or ‘Hakims’.

In attempt to contribute to Ethnobotany we hit upon plant on which not much information was available upon literature survey. Such plant where no extensive study was done apparently neglected by Pharmacognosists Ethnobotanist was Stereospermum colais Family: Bignonaceae

Plant Stereospermum colais found in soggy locale of India parts like blossom, leaves, natural products roots are are used restoratively fortreatment of different issue like hack, infection, dieresis, dropsy, asthma, emetic, affections of cerebrum perpural fever and so on.

A systematic approach to study would not only include pharmacognostic study but also systematic screening methodology for some. Paucity data on preclinical trials also directed our study to perform antihyperlipidemic screening on animals.
**AIM:**

This research work was mainly aiming to identify, separate and evaluate active phytoconstituents of *Stereospermum cola*is Buch from root and leaves.

**OBJECTIVES:**

- To collect and authenticate of selected plant.
- To study Pharmacognostical characters of root and leaves.
- To extract active phytoconstituents from root and leaves of *Stereospermum cola*is Buch. by using solvents of different polarities.
- To study anti cancer effect of extracts.
- To study antioxidant effect of extracts.
- To study anti microbial effect of extracts.
- To identify and isolate active phytoconstituents from root and leaves by chemical tests, TLC, suitable chromatographic techniques.
- To characterize isolated compounds by using Spectral study.