OBJECTIVE OF THE PRESENT WORK:

- Arthritis is one of the incurable disease for which, first line and second line allopathic treatment medicines are having temporary symptomatic relief. They can not cure the disease completely.

- Other option for arthritis treatment is natural remedies from which few Ayurvedic anti arthritic preparations are consumed from centuries. Those ayurvedic preparations have been proved clinically successful. After prolong therapy with ayurvedic preparations with controlled diet have significantly gave symptomatic relief as well as they have improved joint performance, terminated further decay of joint tissues with reduced joint deformity.

- Anti arthritic ayurvedic preparations have Clinical study data according to only Ayurveda chikitsa paddhati (Ayurvedic assessment procedure). Their detailed physico-chemical and analytical profiles are not still studied or documented. Their pre-clinical and clinical study data according to modern system of medicine are not available.

- Present research is to formulate two anti arthritic ayurvedic formulations; Simhnad guggul and Kshir bala taila according to ancient Ayurveda literature.

- The study is to prepare physico-chemical and analytical profile for the formulations. With the help of these profiles, marketed formulations will also be analysed.

- To create animal study data of Simhnad guggul and Kshir bala Taila preparations in rats using standard arthritis model, which will provide scientific basis for pre clinical study effect of these formulations in arthritic rats compared to well known allopathic formulation.

- To generate clinical study data of Simh nad guggul and Kshir bala taila at their effective doses with controlled diet schedule in human will so that they provide authentic basis for use of these preparations.