The focus of this research is to evaluate the medicinal plants *Canavalia Gladiata*, *Berberis Vulgaris*, *Zizyphus Jujuba* for hepatoprotectivity and immune response alteration.

The proposed work cover up to design, develop and evaluate a new drug components in plants form which includes a number of departments such as Research & Development (R & D), Analytical Chemistry, Pre-clinical, Bio-analytical, etc., concerned.

This research has resourced following important scientific fields.

From *identification, extraction of components from plants*, natural source of availability of pharmacotherapeutic agents is resourced. Presence of mainly the flavonoid components has given the lead and almost all the compounds in nature abundant in this very useful component.

From *Analytical point of view* an accurate, precise method was used and validated for the determination of phytocostituents in plants. The flavonoid content determination has given the lead for finding the percentage of the flavonoid present in the medicinal plants.

From *Pre-clinical point of view*, the activity has been proved for the plants *Canavalia Gladiata, Berberis Vulgaris, Zizyphus Jujuba* for hepatoprotectivity and immune response alteration.
This gives a source for preparation of these compounds in the form of preparation and use for the treatment of liver diseases and immune system alterations. The Polyherbal extract has proved to be more active and it can be used preparation and formulation.

The results are similar to the marketed formulation. Hence, it is evident and will unquestionably expand for future research capabilities.