



## Combined Hepatoprotective Effect of Leaves and Flowers of *Bassia latifolia* Roxb in Paracetamol Hepatotoxic Rats.

Deepti Tripathi<sup>1</sup>, Prof. Dr. Yeddu Trilochana<sup>1\*</sup>

Institute of Pharmaceutical Science and Research, Unnao, Uttar Pradesh, India

\*Professor, I.P.SR., Unnao, India.

\*Corresponding author Email: [ytrilochana@gmail.com](mailto:ytrilochana@gmail.com)

### ABSTRACT

#### Keywords:

Importance of  
Liver, metabolism,  
xenobiotics,

The liver is an energetic organ shows important role in the body. It is the chief gland of the body the weight of liver between 1-2.3 kg. The liver plays a chief role in the metabolism and excretion of the many xenobiotics from the body. It has a surprising role in conservation and performance of homeostasis of the body. It also plays important role in the organic pathways to growth, fight, in contradiction of disease, nutrient supply, energy provision and reproduction. The liver injury caused by many environmental toxins, and many communicable diseases like tuberculosis, hepatitis, cancer, and other major health problems affected the liver function known as liver dysfunction. Many antibiotics and over the counter drugs cause liver cell injury. Other hepatotoxins similar alcohol, carbon tetra chloride ccl<sub>4</sub>, paracetamol, aflatoxins is causing cell injury in the liver. When liver is not worked properly the digestion, metabolism and many functions of the body are affected. so many hepatoprotective plants are used in the handling of liver toxicity like, *Annoma squomosa*, *chamomile capitula*, *Coccinia grandis*, *Ficus carica* *Lepidium sativum* *Madhuca longifolia*, *curcuma longa*, *Andrographis paniculata* etc. The plant *bassia latifolia* also having the hepatoprotective activity. For the better result be studying combined leaves and flower extract for hepatoprotective activity. It gives synergistic hepatoprotective effect in the hepatotoxic animal model.