CHAPTER 2
NEED FOR THE STUDY

Currently medicinal plants have significant contribution to the modern system of medicine (Pharmacognosy) throughout the world. Medicinal plants have beneficial therapeutic potentials due to the presence of their chemical constituents. *Urena lobata* Linn, is under shrub category. The main constituents of *Urena lobata* Linn include flavonoids, β-sitosterol, stigmasterol, furocoumarin, imperatorin, mangiferin and quercetin. It also contains kaempferol, luteolin, hypolatin and gossypetin. Based on the literature, the core goal of this current work was to:

- Determine exomorphology, microscopical characters and powder microscopical characters present in the different parts of *Urena lobata* Linn.
- Evaluate the phytochemical constituents of the extracts.
- Investigate the antioxidant property of the methanolic and aqueous extracts of *Urena lobata* Linn.
- Study the wound-healing property of the methanol extract of *Urena lobata* L.
- Evaluation of the anticancer property of the methanolic and aqueous extracts of *Urena lobata* Linn.