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1. Leaves of three plants used traditionally for their antifertility effect were selected for study. The three plants selected were *Zizyphus jujuba* Mill & Lamk (Family: Rhamnaceae), *Stephania hernandifolia* Walp (Family: Menispermaceae), *Cissampelos pareira* Linn (Family: Menispermaceae).

2. *Zizyphus jujuba* was found to be an abortifacient in rats. The ethanolic extract and its ethyl acetate fraction were found to be most effective.

3. Out of the two selected plants of Menispermaceae family only *Stephania hernandifolia* showed antifertility activity whereas *Cissampelos pareira* did not show antifertility effect.

4. *Stephania hernandifolia* showed antiimplantation activity in rats. Its chloroform and aqueous extracts were found to be most effective. The chloroform extract of *Stephania hernandifolia* was associated with a number of toxicities. Aqueous extract is safer than the chloroform extract.

5. When administered at a dose of 200, mg/kg body wt for a period of 90 days, the ethanolic extract of *Zizyphus jujuba* did not show any significant toxicity.

6. A triterpenoid Lup-20 (29)-en-32-ol-28-oic acid was isolated from methanol fraction of ethanolic extract of *Zizyphus jujuba*. This is the first report of lupenoic acid derivative from this plant.

7. Sucrose was isolated from acetone extract of *Stephania hernandifolia*.