In this work phytochemical, pharmacological and toxicological studies were carried out on Eruca sativa, Petroselinum crispum and Anethum graveolens alcoholic extract. LD50 of these extracts cannot be detected, when given orally in mice. These alcoholic extracts inhibit rabbit's intestinal motility. Eruca sativa extract stimulates the uterine motility of all stages of sex cycle, while Petroselinum crispum inhibit it in all stages of sex cycle and Anethum graveolens inhibits the uterine motility in oestra and aneurostrus stages while stimulation occurs at pregnant stage. Both tested extracts of Eruca sativa and Petroselinum crispum had a cardiac inhibitory effect on isolated rabbit's heart, while Anethum graveolens had a cardiac stimulatory effect. All tested extract had hypotensive effect when injected i.v. in anaesthetized dogs. Anethum graveolens shown an analgesic, anti-pyretic and progesterone like action. Eruca sativa has androgenic and progesterone like actions. Petroselinum crispum has progesterone like actions. Eruca sativa and Petroselinum crispum possess hepatoprotective effect. All tested extracts have antibacterial effect in vitro. Petroselinum crispum and Anethum graveolens extracts have diuretic effect in rats. Eruca sativa extract by prolonged administration showed an increase in body weight gain while Petroselinum crispum and Anethum graveolens prolonged administration revealed no changes in body weight gain. Prolonged administration of the tested extracts in rats showed changes in the blood criteria, serum constituents and enzymatic activities with induction of some histopathological changes in kidney and hypremiam.

Keywords:
histopathological changes, kidney, hypremiam,