Abstract: **ABSTRACT:**

**Introduction:** Geraniaceae is composed of 5 genera and 750 species which are somehow cosmopolitan. Erodium is a genus with 62 species sin Mediterranean region.

In Iran there are 14 species of this genus.

**Aim:** in this study stem anatomical study was done for three species as *Erodium ciconium, E. gruinum, E. malacoides* for the first time.

**Methods and material:** for stem anatomical study 3 accessions were sampled for each species for their natural habitats of Iran. Middle part of stem from third internode was studied by hand- made cross section and double coloration.

**Result:** based on quantitative and qualitative as length and width of stem cross section, dimensions of vascular bundles, fibre thickness, general shape of stem section, collenchymas thickness, and shape of outer layer of stem sections, hair types, number and shape of vascular bundles species relations were evaluated.

**Conclusion:** three studied species are clearly separated based on selected features.

**Keyword:** Geraniaceae, Erodium, Stem anatomy

**Presentation:** Poster