**Microstructural features of generative and vegetative organs of *Allium saxatile*** **growing in Georgia**

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**ABSTRACT**

The microstructural characteristics of the vegetative and generating organs of the medicinal plant *Allium saxatile* Bieb. has been studied, using Carl Zeiss, Jeneval light microscope and Omax stereoscopic microscope.

The leaves of *A. saxatile* are bare and have toothed edge. Mesophyll of the leave is characterized with an isolateral structure. leaf-covering tissue is sharply cutinized, the cell membrane of the single-rowed epidermal tissue is strongly thickened. Stem is bare, the protective tissue is actively cutinized, the epidermis is in a single layer, its cells are characterized by a square shape and have a strong thickening of the outer periclinary walls. The vascular bundle is represented with a group layout of lumens of large and small-caliber conductive vessels of an oval and weakly angular shape. The thickening of the shell of the vascular bundle is predominantly spiral. Inflorescence is round, with a frequent flower umbrella. The perianth is egg-bellish, its cover is free, elongated, pointed shape, pale pink in color. Filaments are longer than flowers of the perianth. Bulb is free, surrounded by an elongated-conical shape, brownish coloring, dried, leathery shell. The root of have shape of sphere, covering tissue of root – exoderm have double row of cells and is represented with thin-skinned smaller size and large, square-shaped cells.

**Keywords**: *Allium saxatile*; Allium; Microstructure;