

CARPOLOGY OF JUICY FRUITS OF SPECIES *ROSACEAE* AND *ERICACEAE* FAMILIES

Rakeyev P. V.

National University of Pharmacy, Kharkiv, Ukraine

paulinus@ukr.net

Introduction. The carpology includes studying of morphogenesis, ontogenesis, appropriateness of the distribution of fruits and seeds, the improvement of the morphological classification of fruits and the creation of determinants. There is shortage carpologic information on fruits of medicinal plants.

The purpose of the study. To analyze the data of the literature; to conduct a morphological study of the juicy fruits, which are edible or medicinal raw materials for pharmaceutical and other industry sectors; to examine the fruits that can be harvested instead of the medical fruits or become undesirable admixture of medicinal plant raw materials. To create the Atlas-determinant of juicy fruits on the basis of the results of investigations.

Materials and methods. There were studied juicy the fruits of 27 species of Rosaceae and 10 species of Ericaceae by botanic methods using the binocular glass and the camera Samsung PL50.

The results. The descriptions and photographs of the pericarp and seed were made. The Atlas of juicy fruits with illustrations of the appearance and cuts of fruits and seeds was composed.

A brief description of mature fruits and their shape, size, smell, taste, texture and color of ectocarpus, thickness, structure, and consistency of meso – and endocarpia, structure of seeds, application were done as well as the determinant of juicy fruits of species of Rosaceae and Ericaceae.

Conclusions. As a result of the integration of experimental and literature data the Atlas-determinant of juicy fruits was developed which, allow to determinate, identify and describe the fruits of medicinal plants.