Abstrakt

I did a research of relevant literature on geometric morphometrics, its usage for a study of floral symmetry, and ecological and evolutionary significance of floral symmetry in general. Description and application of morphometric methods is included in the first part of the thesis. Then, the main types of floral symmetries are described and illustrated. Morphometric studies on several model floral lineages are discussed in subsequent parts of this bachelor thesis. Many of the studies are made on some species of family *Brassicaceae.* Modern morphometric methods and perspectives of their application in floral research are presented in the last chapter.