

Abstract (Mimetic phenomena in the nature)

The presented thesis is based on general relations within the evolutionary development and is concentrated on the mimetic phenomena in nature.

The compilation itself emits from the focus on the finished university's field of study to which is subordinated the content and classification. Regarding for the eventual didactic use as handouts for student who engage in biology studies.

The introductory part of the work briefly reports on the history of the mimetic phenomena observations. Here are also inducted the main personages engaged in observing those phenomenons. Further on are presented the cardinal points in gradually improving knowledge of mimetic phenomenons starting at the generic uniqueness of organisms, definition of the terminology until the rise of theories describing the adaptation of organisms to long-term environmental changes.

The most extensive part of the work contains the basic explanation of the respective terminology, followed by a list of concrete examples of the mimetic phenomena observed on animals and plants that is schematically classified according to the external mimetic features' characteristics. The picture documentation is attached to the mentioned list.

The closing part of the work contains the typical examples of the mimetic phenomena which can be observed in our nature, for example within the framework of school excursions. Therefore the work might become a teaching air extending the biology education.