

Abstract:

The matter of this text is the *Orchidaceae* family occurring mainly in the Mediterranean basin. The selected genera from the *Orchidinae* subtribe are discussed, namely it is about *Anacamptis*, *Neotinea*, *Ophrys*, *Orchis* and *Serapias* genera. Different genera of this family have tendency to diversify to a different extent, some of them contain thousands of taxa, another have only a few dozens of them. The work is therefore focused on the genera themselves and on the factors, that may have had any influence on their diversification.

Key words: evolution, radiation, mediterranean climate, Orchidaceae, diversification, diversity, Mediterranean basin