

Abstract

The work is a literary research on the theoretical and evolutionary concepts in botany in the Czech environment at the turn of the 19th and 20th century with a focus on the work of Josef Velenovský (1858-1949). The work maps the historical context of Velenovský's work, deals with the transformations of Velenovský's vision of evolution and the most interesting aspects of his theoretical thinking about biology. At the beginning he fully acknowledges Darwin's theory, in the late age he holds a completely contradictory theory.

Key words: history of botany, Josef Velenovský, evolutionary theory, natural selection, altruism