

Abstract

Bees are one of the most important group of all insect, which plays a significant role in crop pollination. This bachelor thesis is review of articles, which speaks about genetic diversity of Apidae (Apoidea, Anthophila) and factors, which influence genetic diversity of this family. This thesis represents anthropogenic impact, such as urbanization and fragmentation, and impact, which was not caused by human population, such as, climate change and parasite impact, on bee population. Part of this thesis is created by bee life overview and basic information about population genetics. The aim of this work is finding extent of declining pollinator problem, especially wild bees and also naming the basic methods, which are used in this work.

Key words: population, DNA analysis, threats, conservation genetics, bees, biogeography