



Material from the training school on Mating behaviour

Lecturers:

Dr Janez Prešern, Agricultural Institute of Slovenia

Jernej Bubnič, Agricultural Institute of Slovenia

Dr Olga Ameixa, University of Aveiro

Georgia Baliota, University of Thessaly

Sofronios Zafeiriadis, University of Thessaly

Ljubljana, 22nd - 23rd May 2025

The training school on mating behaviour consisted of three parts.

In part 1, Dr Janez Prešern presented way to control mating in honeybees. In addition to artificial insemination, there are three additional ways to control breeding via biological isolation (overflow of desired drones), geographical isolation (remote locations with only installed honeybee colonies), and temporal isolation (manipulation of the time of mating). Next, Jernej Bubnič presented the technicalities around artificial insemination in honeybees, which was followed by practical demonstration of honeybee queen artificial insemination. The material can be found if the folder Part1.

In part 2, Georgia Baliota and Sofronios Zafeiriadis presented the anatomy of different genus of insects and explained how to differentiate between sexes. This was followed by a practical demonstration of insect anatomy and gender differentiation that included beneficiary insects as well as pests. The material can be found if the folder Part2.

In part 3, Olga Ameixa demonstrated a dissection of a lady bug and isolation of its reproductive organs. The material can be found if the folder Part3.