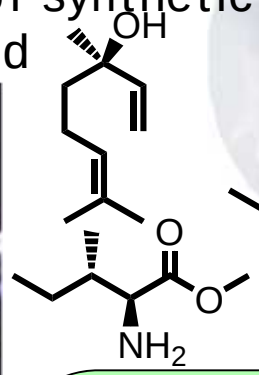
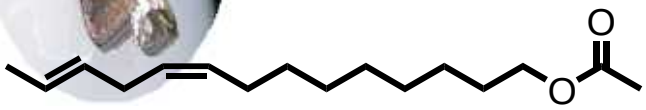
Holotrichia parallela
Field bioassay of synthetic pheromone blend



A calling female of Plodia interpunctella



Zizeeria maha agria, a gravid female lays eggs in response to chemicals in the host plant

Chemical ecology: Structure elucidations and functional analyses of naturally occurring chemicals that mediate interactions between organisms and their environment lead to the better understanding of nature and to the exploitation of the chemicals.

Apis cerana worker, indicating the nest entrance by the chemicals released from 7th tergite

Dinarmus basalis, a parasitic wasp recognizes host by chemicals left on the surface of Azuki bean

Camponotus japonicus
Male alate inspecting the weather at the entrance

Camponotus japonicus
Female alate ready to fly for her nuptial flight

Apis mellifera queen; Chemical communications between workers in the colony