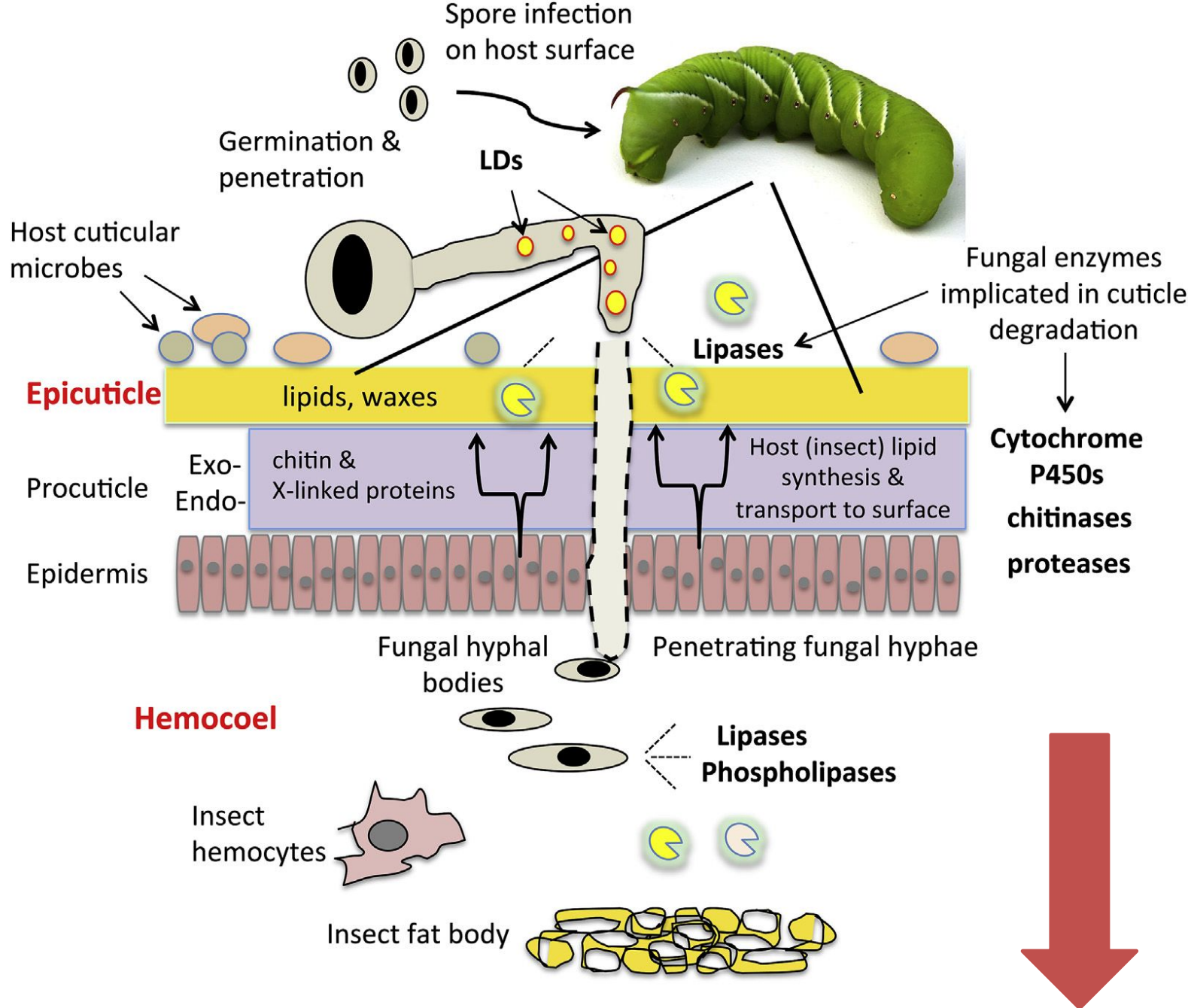


The historical background of my
research area

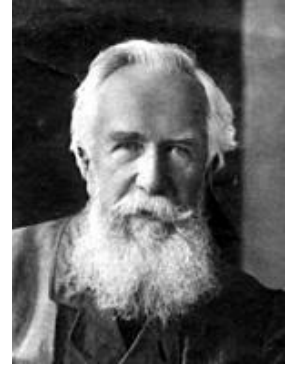


"Chemical ecology"

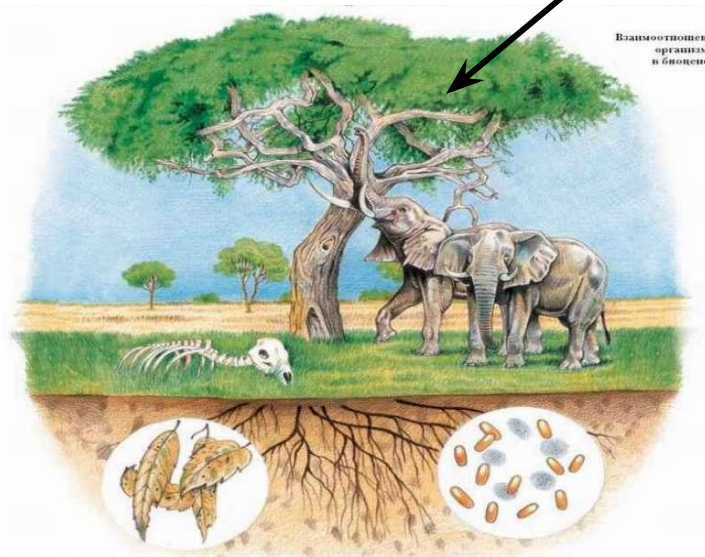
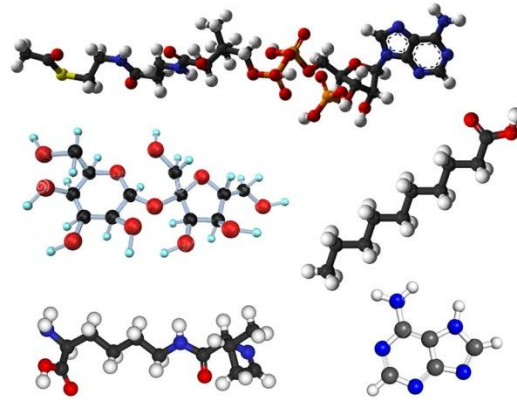
What is chemical ecology?

„Ecology“ - Ernst Haeckel

„Chemical ecology“ - Michel Barbier, 1978

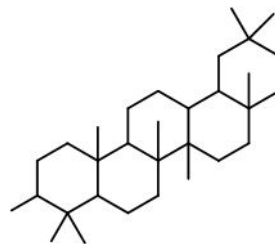


E. Haeckel; 1834—1919

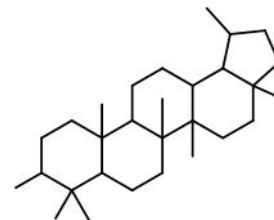


Purposes of chemical ecology

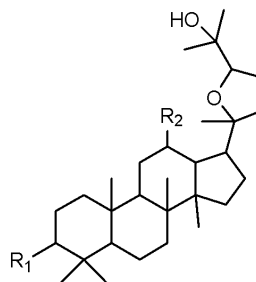
- Identification of compounds
- Quantification
- Compounds dynamic
- Investigation of processes in ecosystems



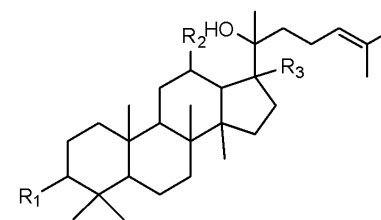
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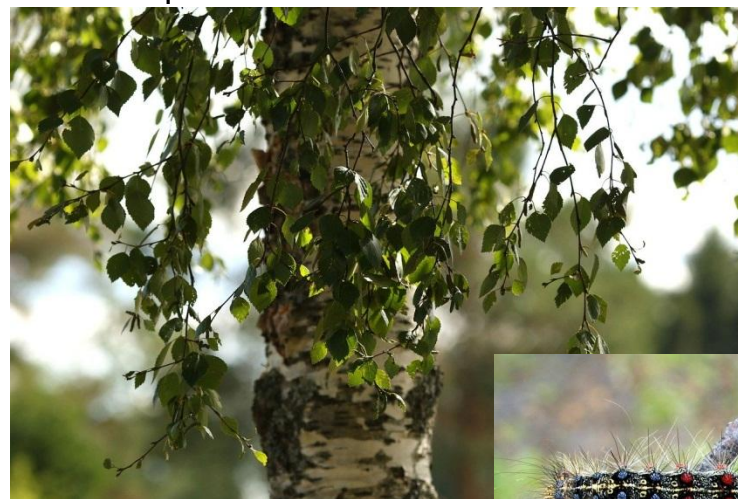
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1



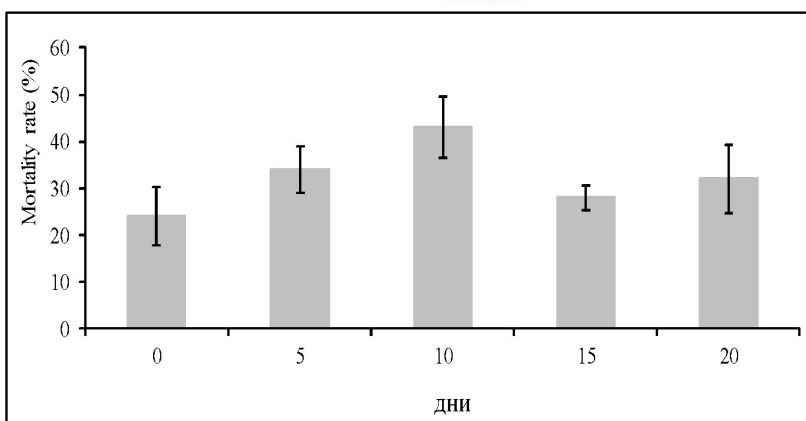
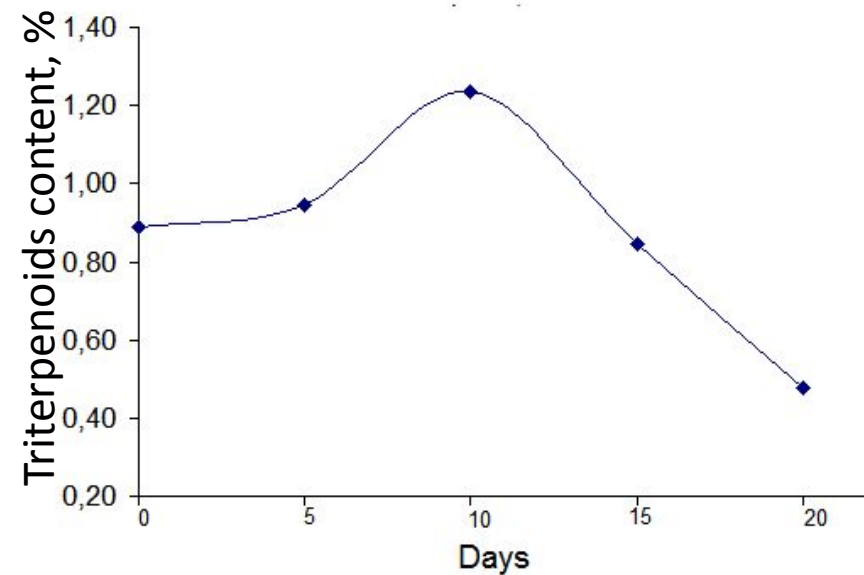
2



Betula Pendula



Gypsy moth (*Lymantria dispar*)



Methods of chemical ecology

- Chromographic methods (gaseous chromatography, high performance liquid chromatography, **GC-MS**)
- NMR
- IR-spectrometry, ...