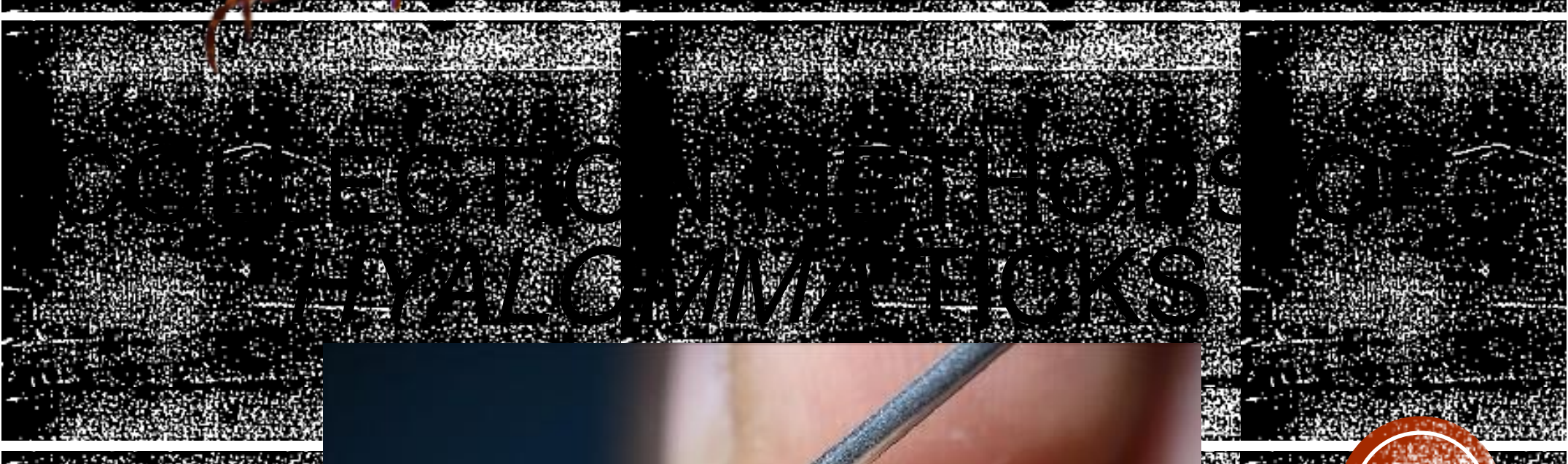


Ömer ORKUN

Ankara University Faculty of Vet. Med.,
Department of Parasitology

Ticks and Tick-Borne Diseases Lab.

MORPHOLOGY



Larva



Nymph

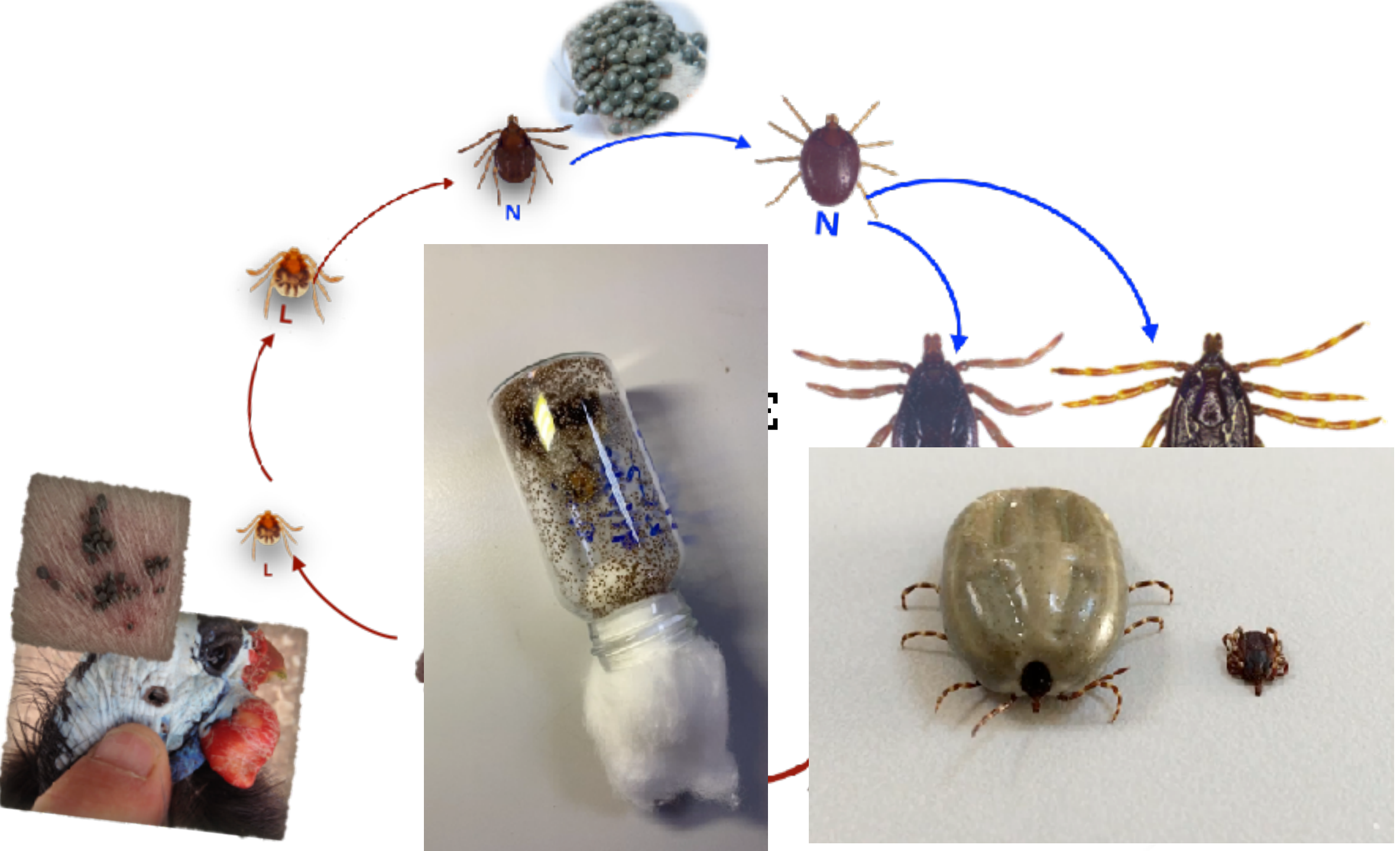


Female



Male





BIOLOGY



Tek konaklı gelişim

1-hosted

H. scupense



İki konaklı gelişim

2-hosted

H. marginatum



Üç konaklı gelişim

3-hosted

H. aegyptium



ECOL OGY

Exophilic ticks



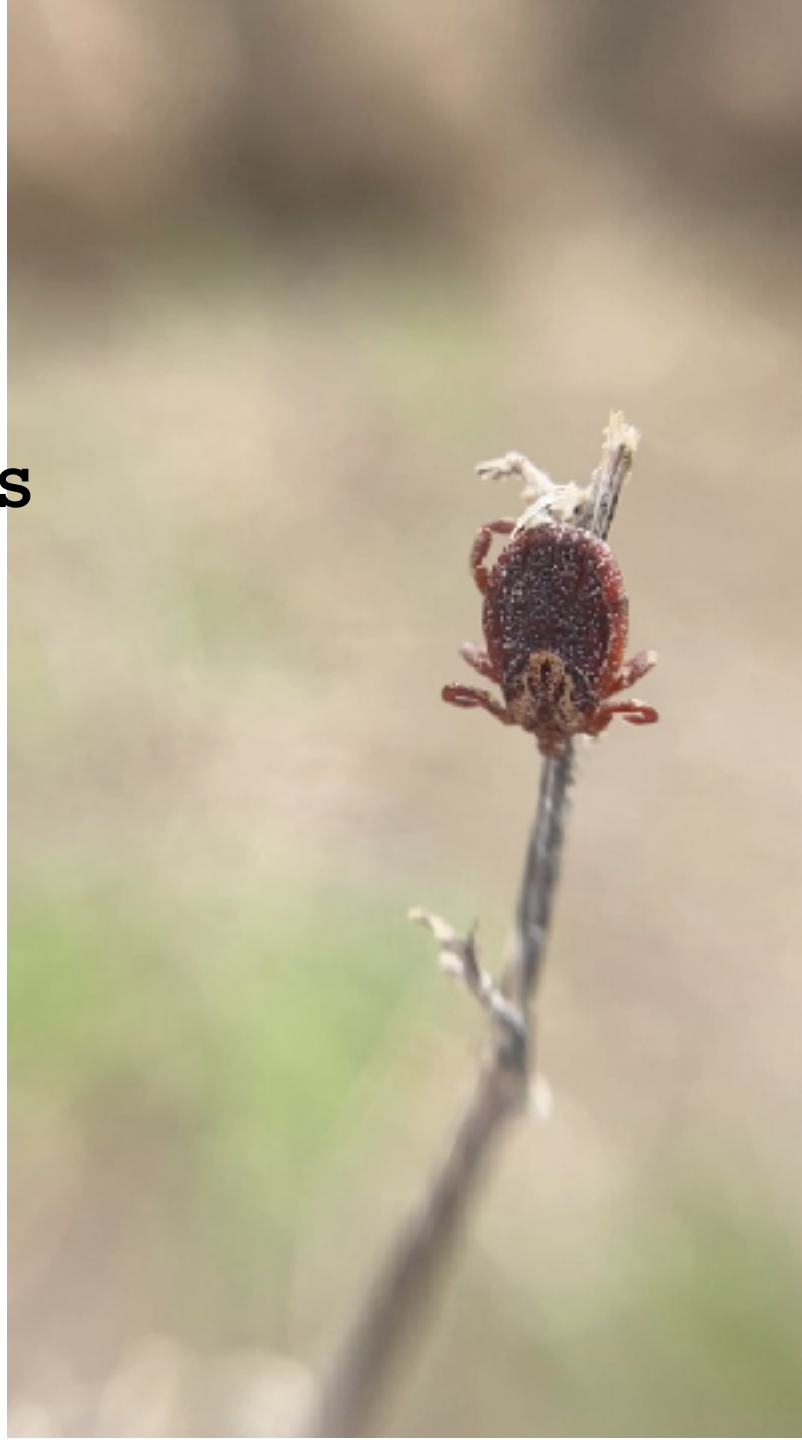
Endophilic ticks



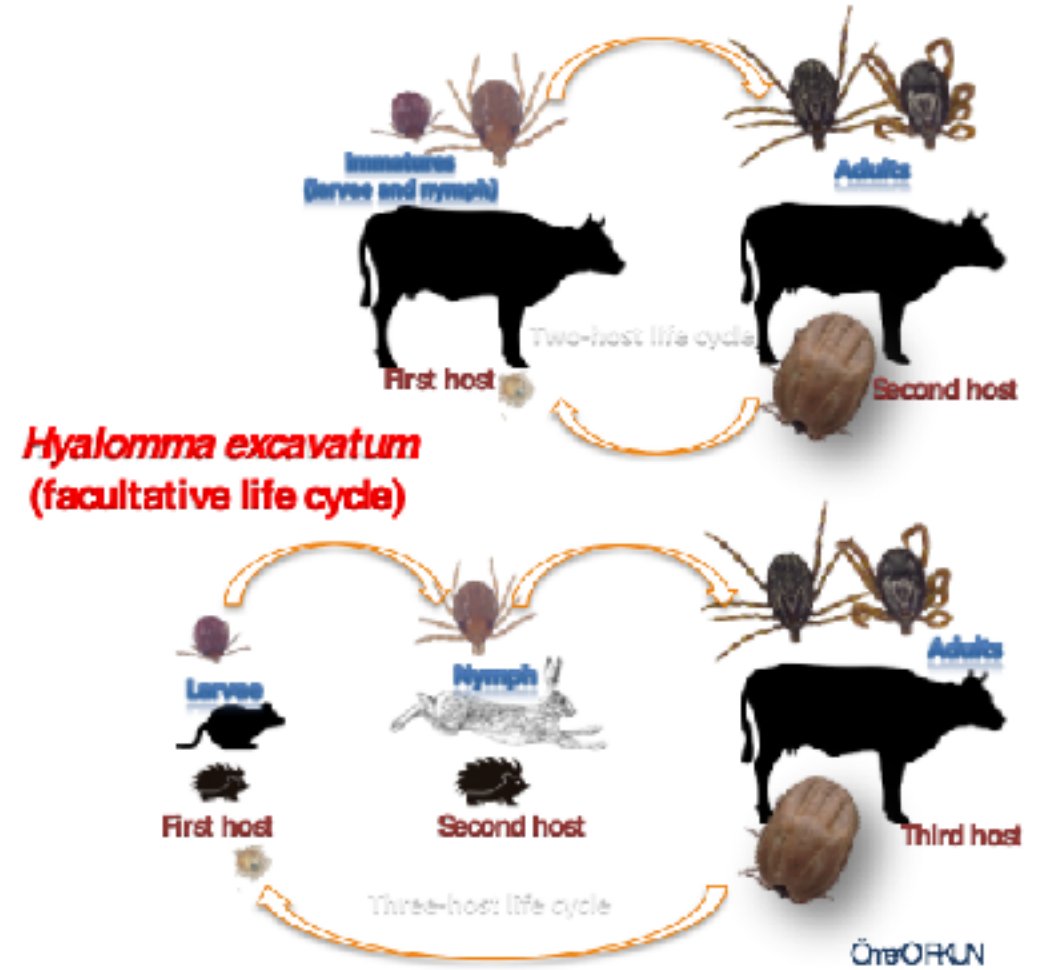
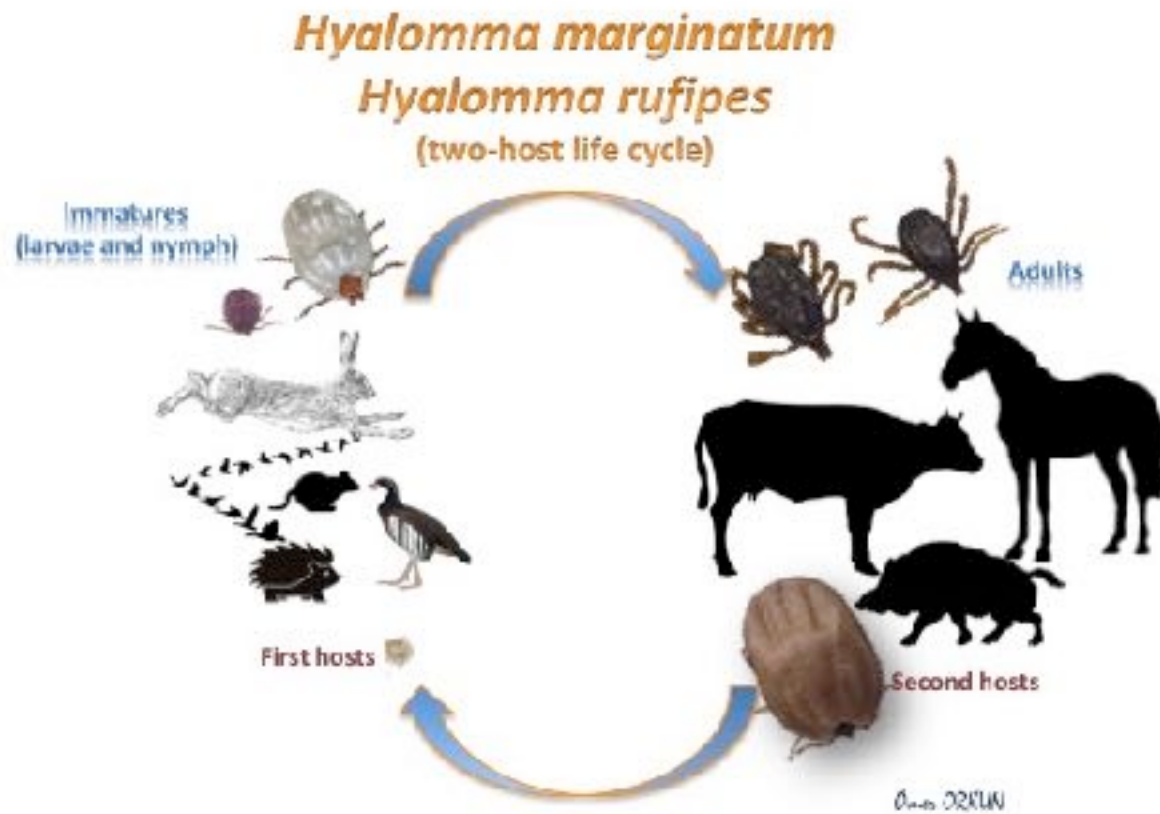
EXOPHILIC TICKS

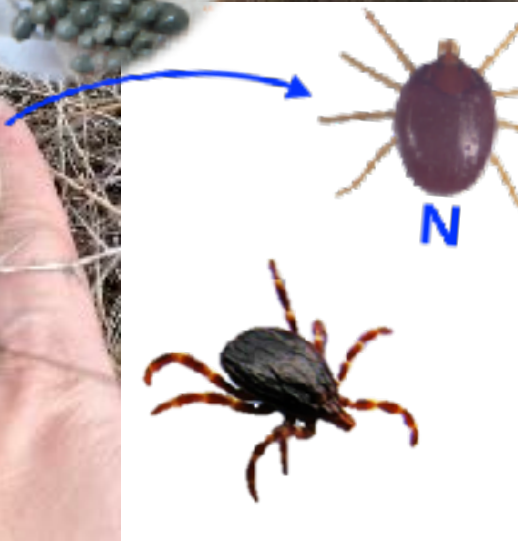
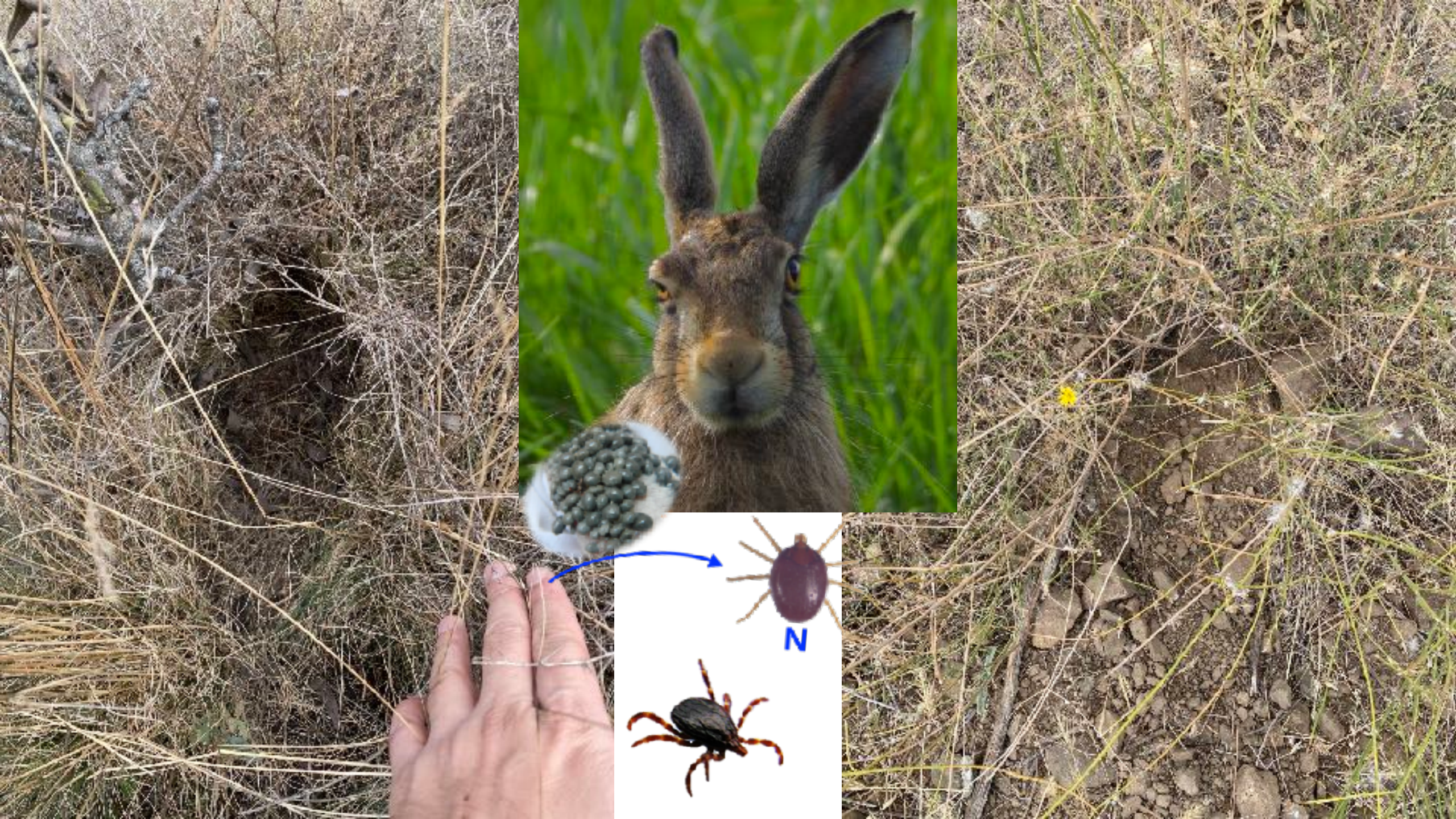
Ambusher ticks

Hunter ticks



ECOLOGY OF HYALOMMMAS







- Mosaic structure
- Forest
 - Dwarf oaks
- Crop fields
- Cultivated one year, fallow the next year
 - Barley
 - Wheat
 - Oats





- Field boundary
- Under a single tree or bush





- Field boundary





Stone accumulation area





Flood acumulation areas









THANK YOU

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ResearchGate

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