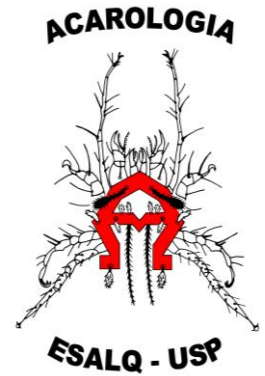




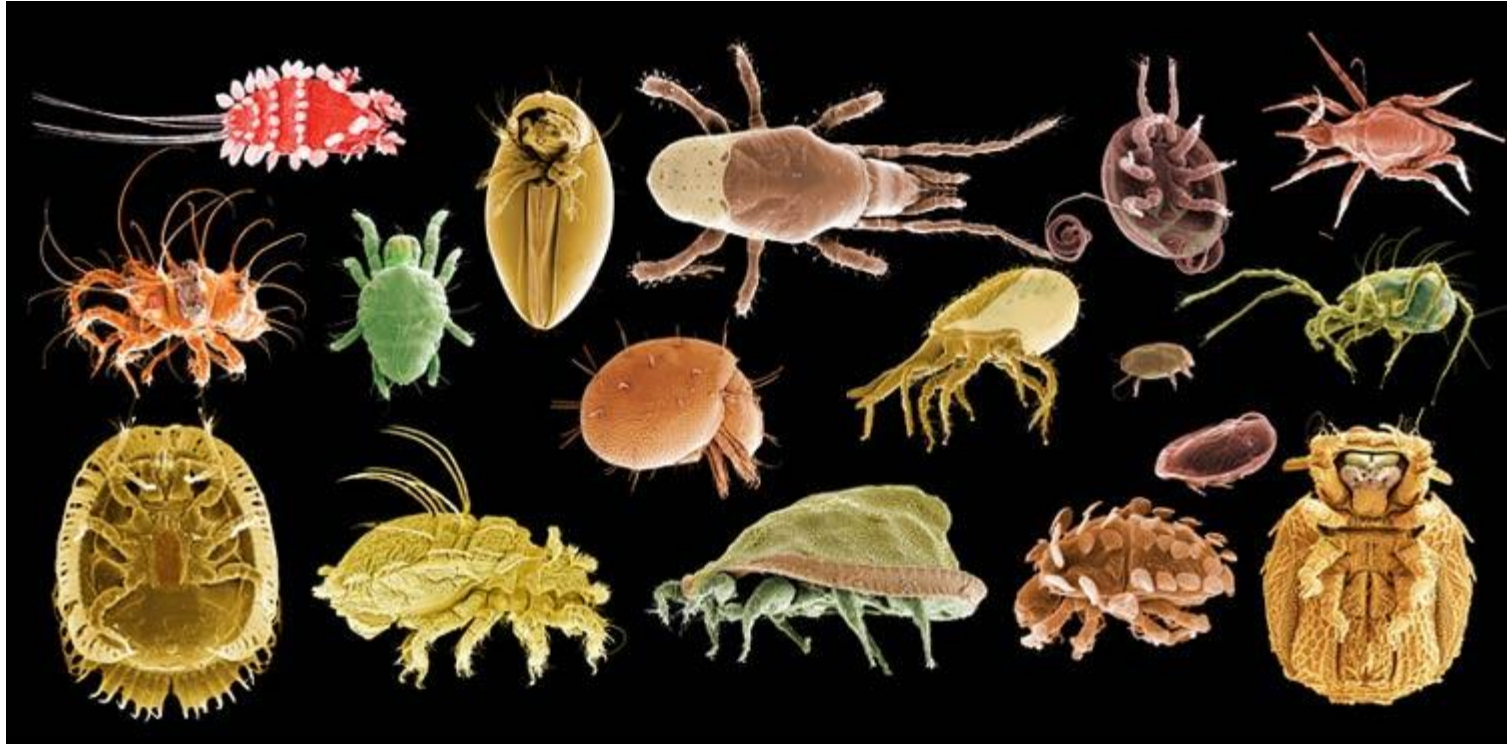
ESALQ



Morfologia dos Ácaros

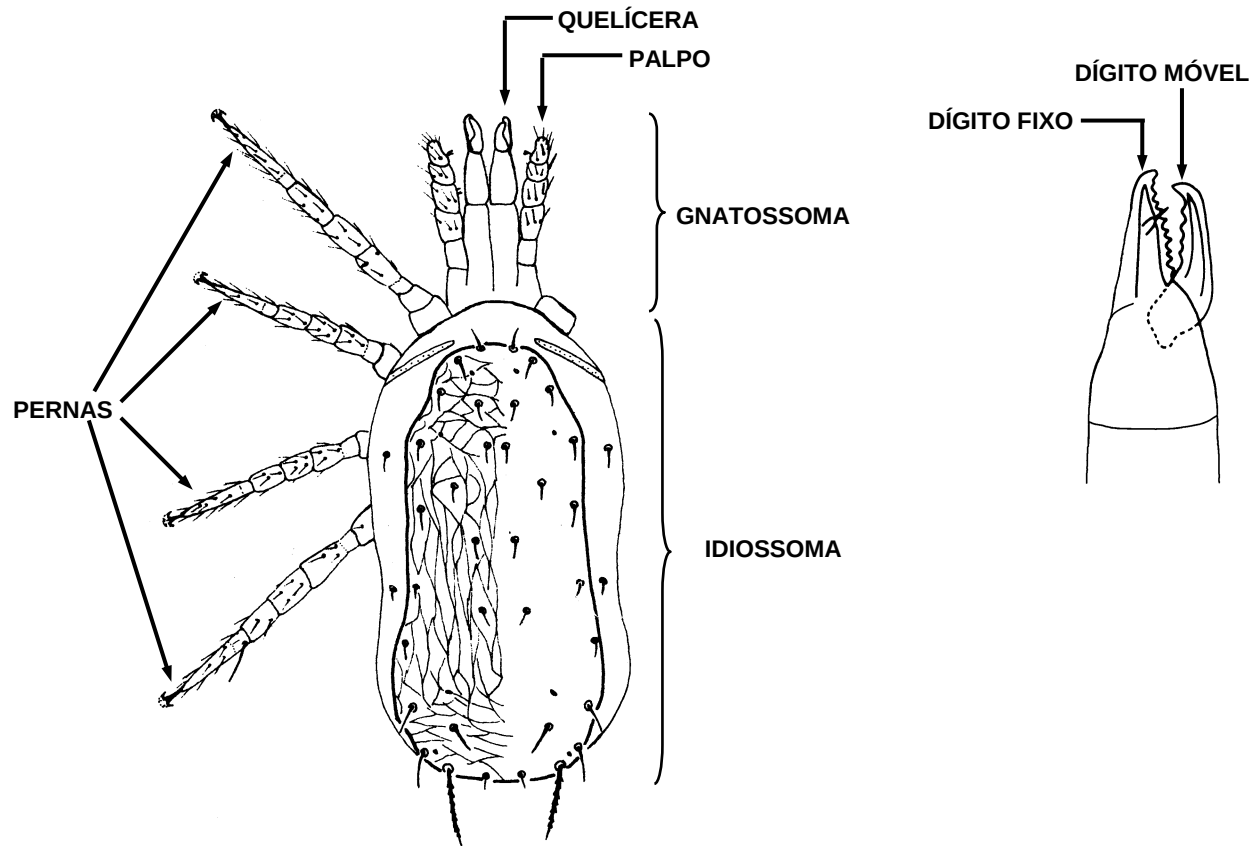
LEA0498 - Acarologia
Agosto 2023

Acari



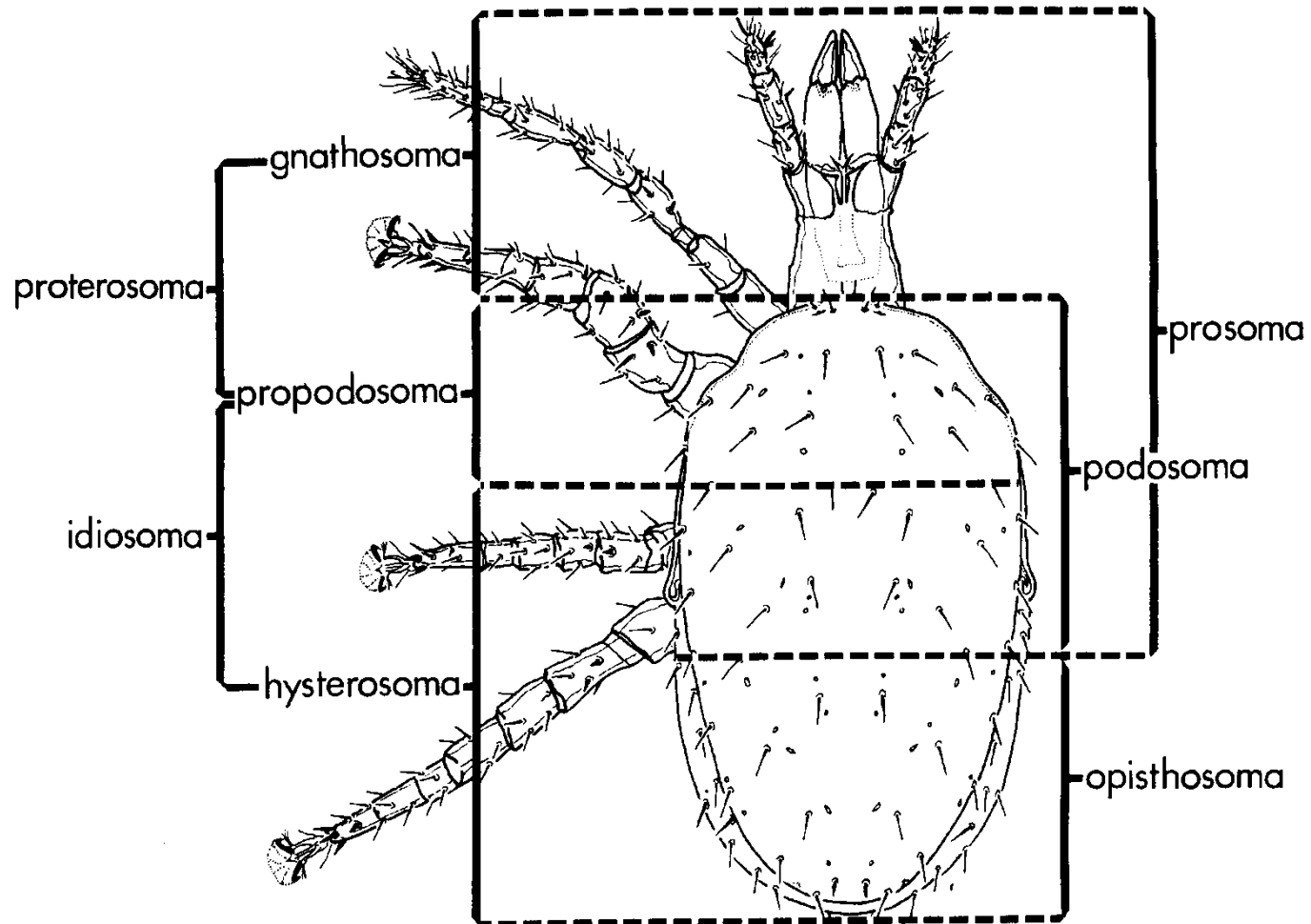
ATUALMENTE
60.000 espécies descritas

Zhang et al. 2019



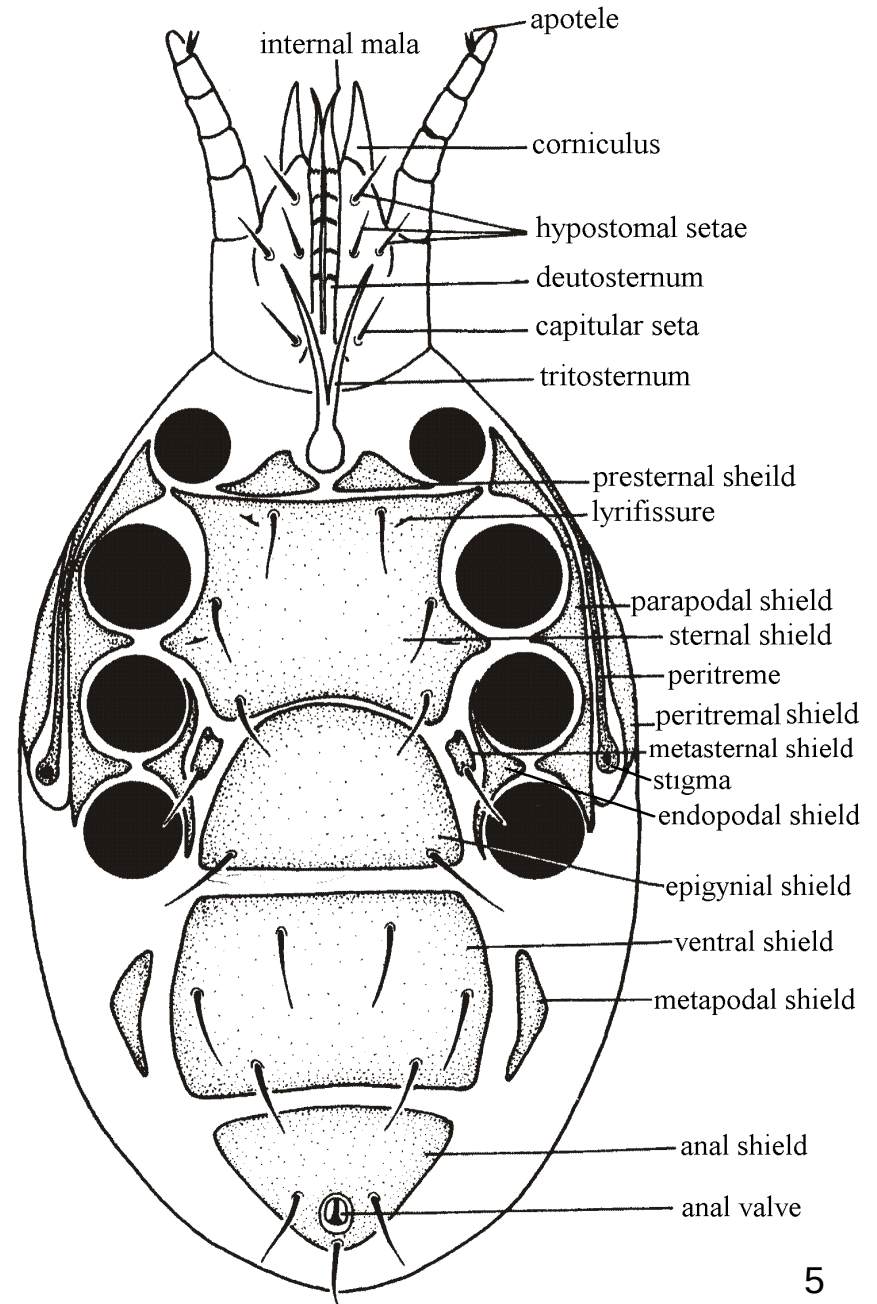
Estruturas e regiões do corpo dos ácaros

MESOSTIGMATA - Dorsal

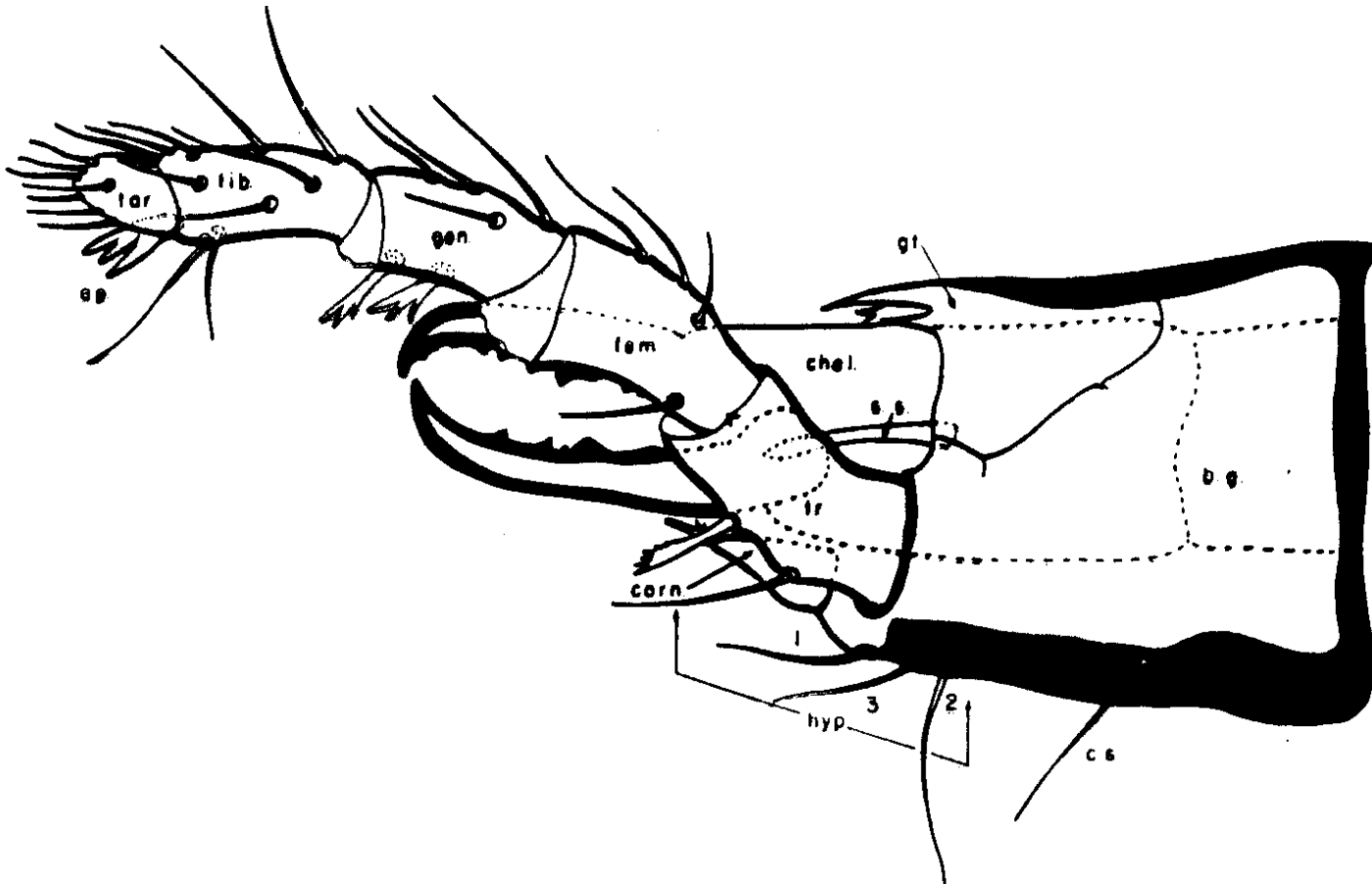


MESOSTIGMATA

Ventral

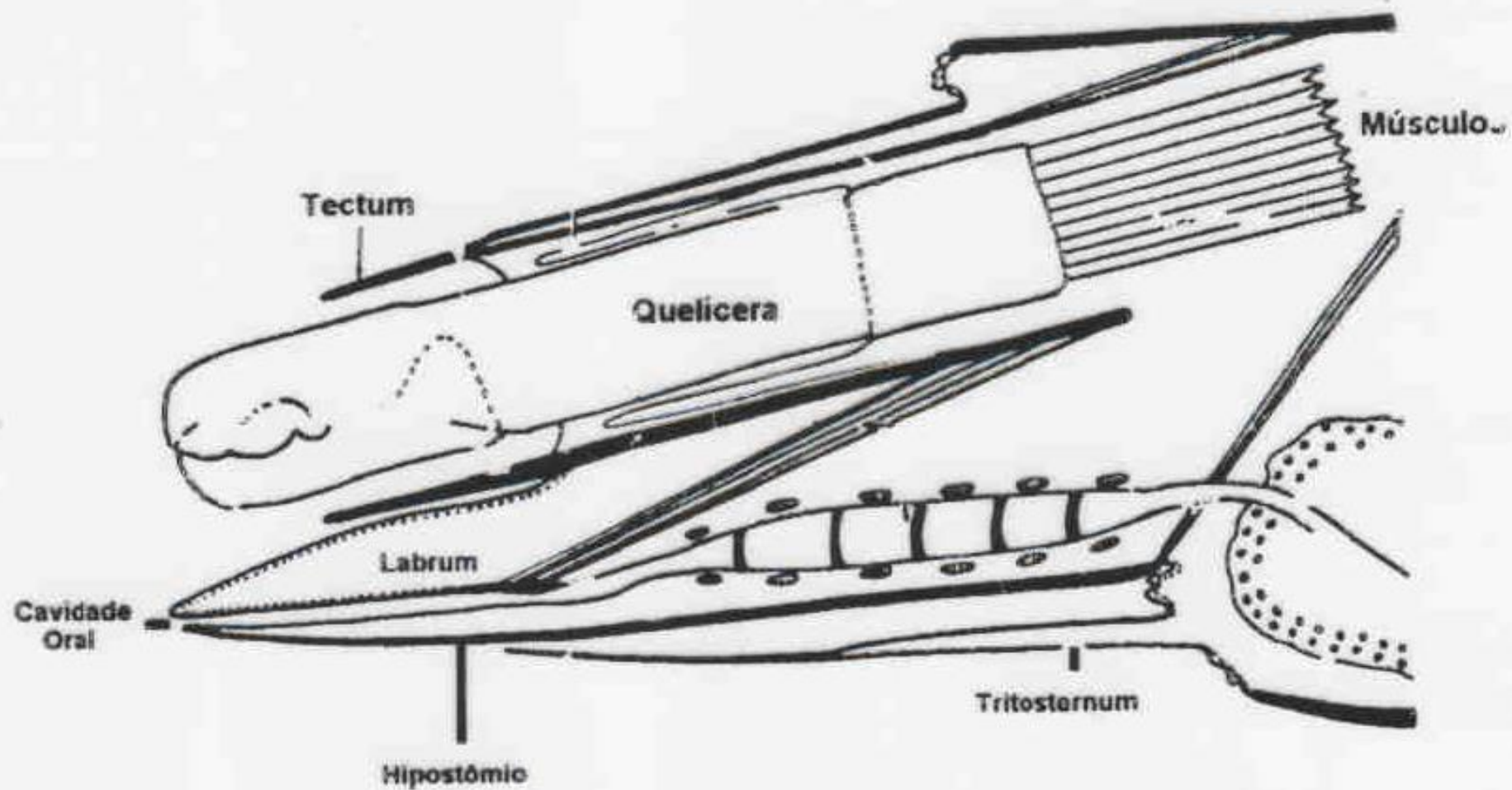


MESOSTIGMATA - Gnathosoma





Ologamasidae



Diferentes formatos de setas

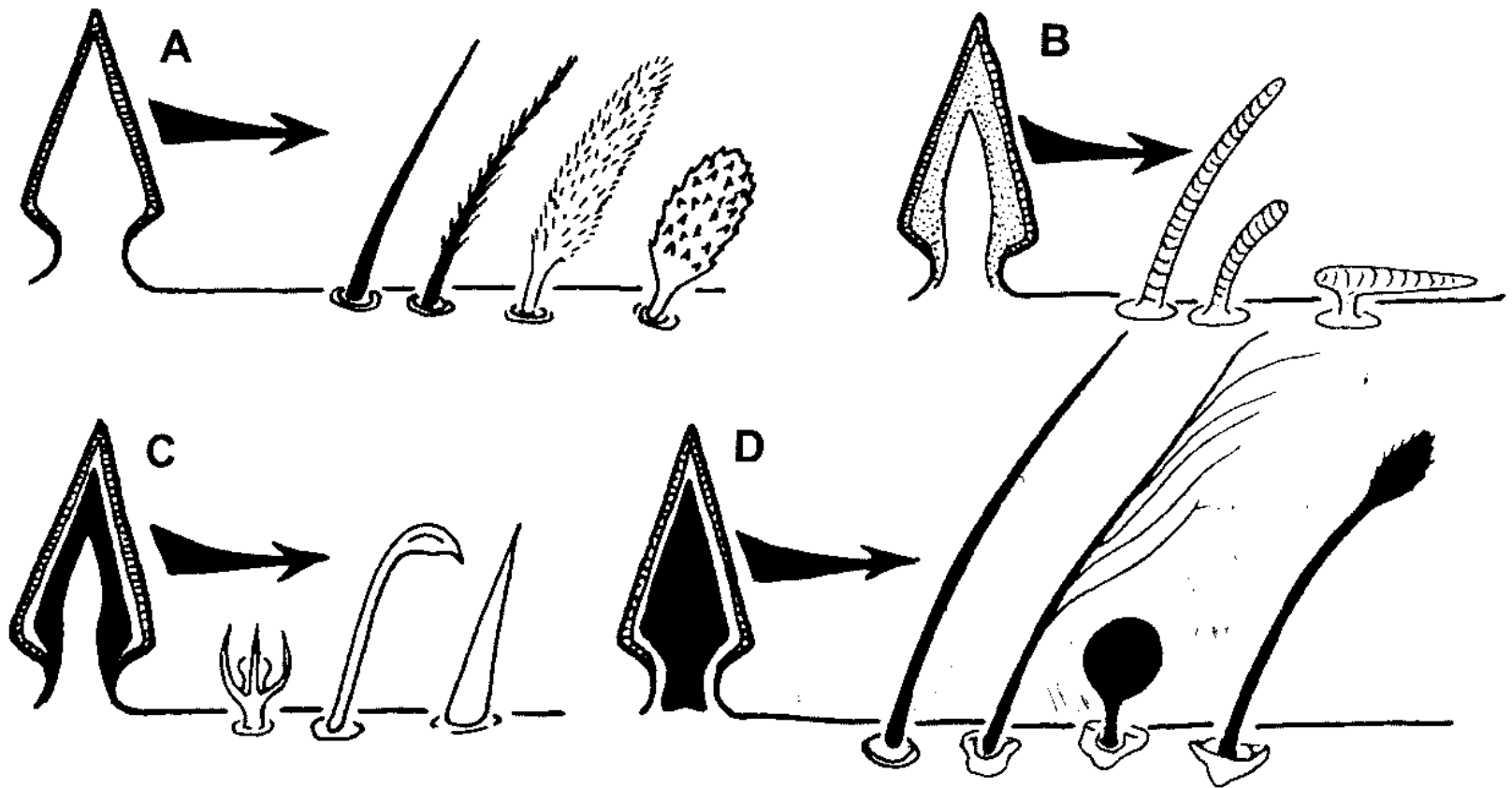
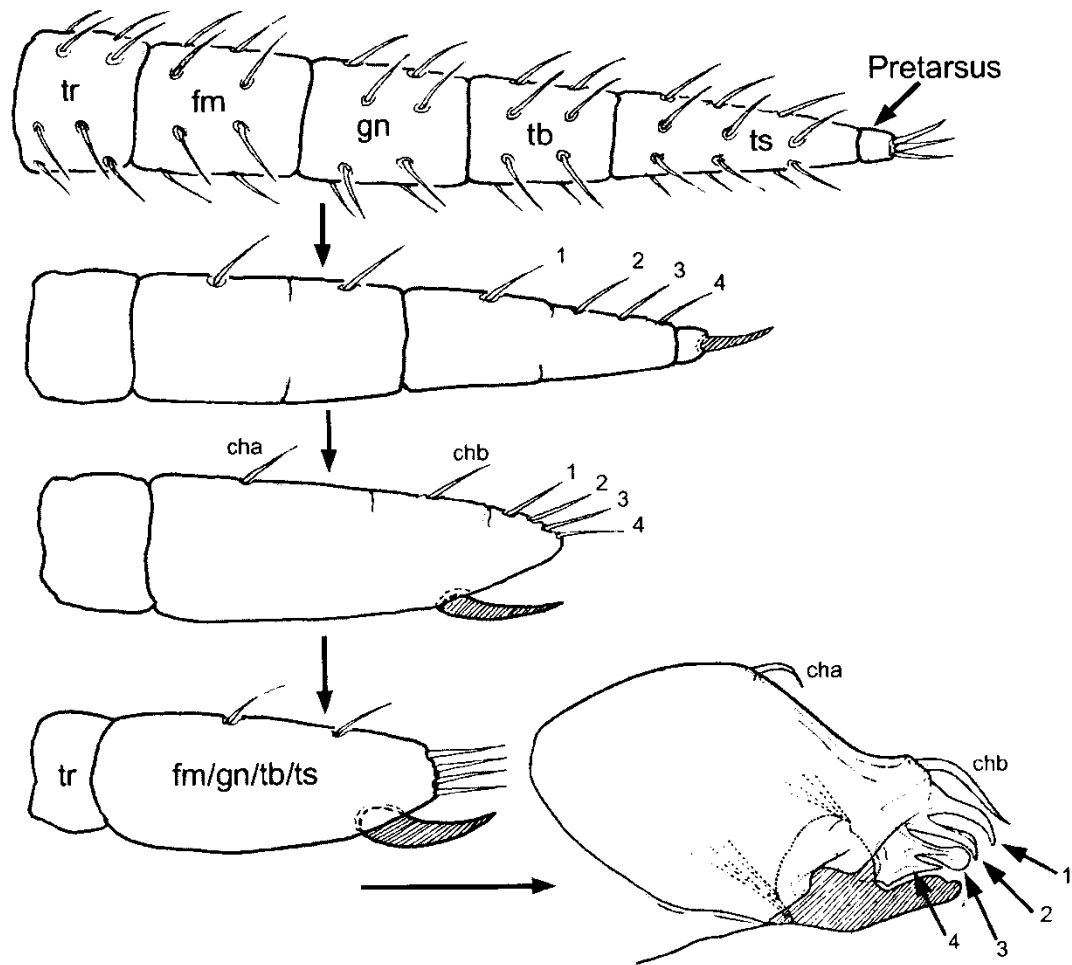
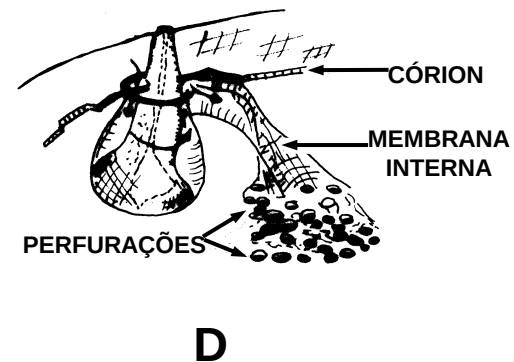
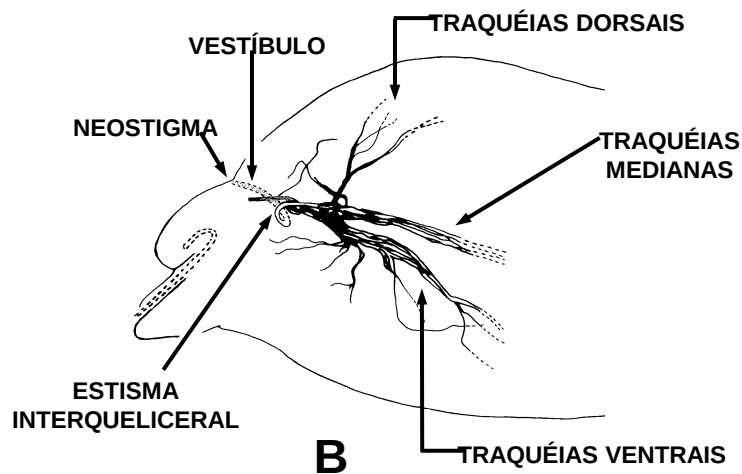
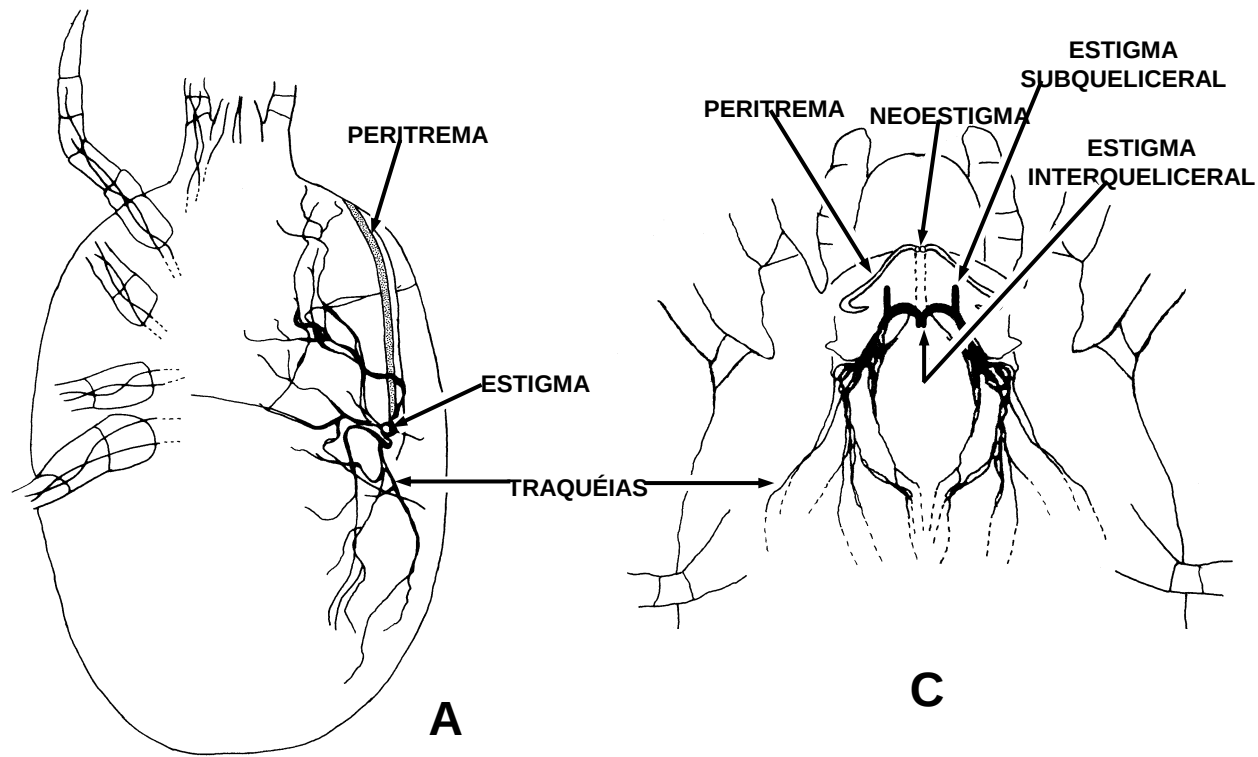


Fig. 3.23. Sectioned models and examples of acarine setal types. **A**, tactile setae (hollow); **B**, solenidia (protoplasmic core); **C**, famuli (two closest to section) and eupathidium (spinelike structure on right) with a sheath of actinopilin (black in section); **D**, trichobothria (actinopilin core).



Classificação dos ácaros

- 6 ordens -



Respiração dos ácaros

GRANDES GRUPOS DE ACARI

(Krantz et al., 2009; Evans, 1992)

- Parasitiformes (= Anactinotrichida)
 - Opilioacarida
 - Holothyrida
 - Mesostigamata
 - Ixodida
- Acariformes (= Actinotrichida)
 - Trombidiformes (= maioria Prostigmata)
 - Sarcoptiformes (= Astigmatina, Oribatida, parte Prostigmata)

PRINCIPAIS DIFERENÇAS ENTRE ORDENS

Parasitiformes

1-4 pares estigma abaixo coxa II

somente setas isotrópicas

coxas livres

sem sulco sejugal

X

X

X

X

X

Acariformes

estigmas em outras posições

algumas birefringentes

coxas fundidas

com sulco sejugal

Grandes Grupos (Ordens)

Opilioacarida



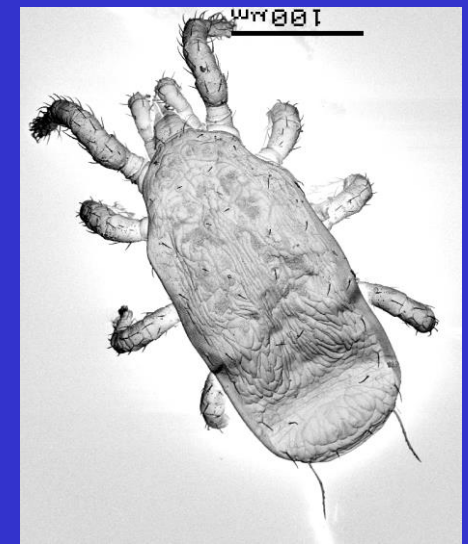
Holothyrida



Ixodida



Mesostigmata



Trombidiformes



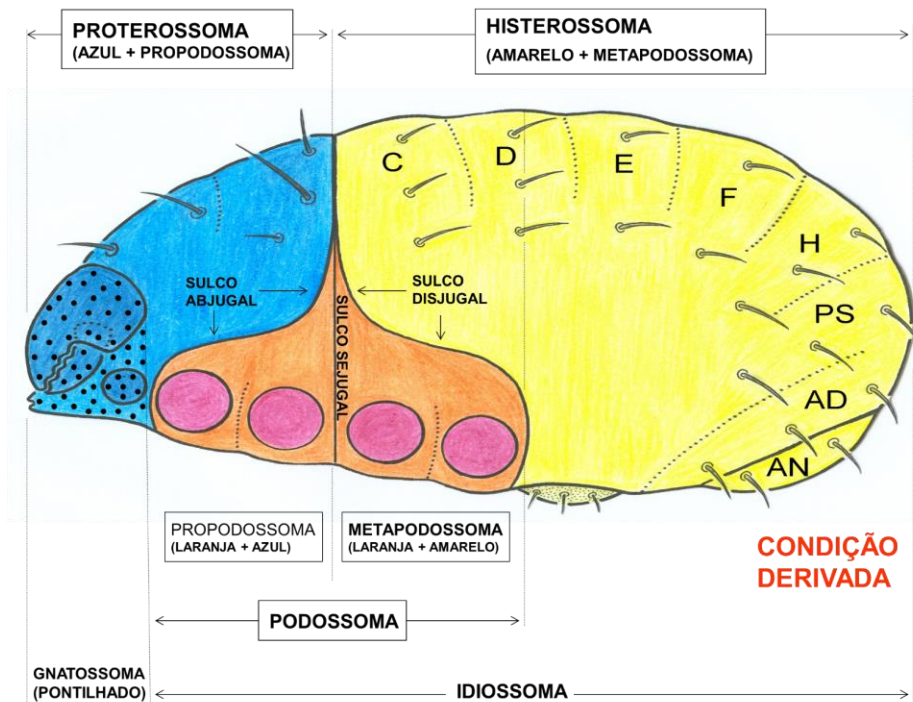
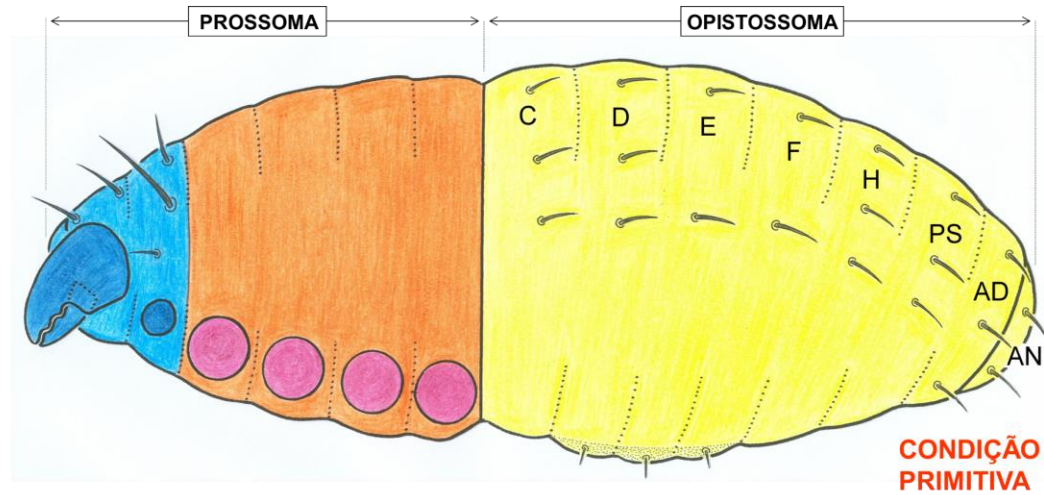
Sarcoptiformes



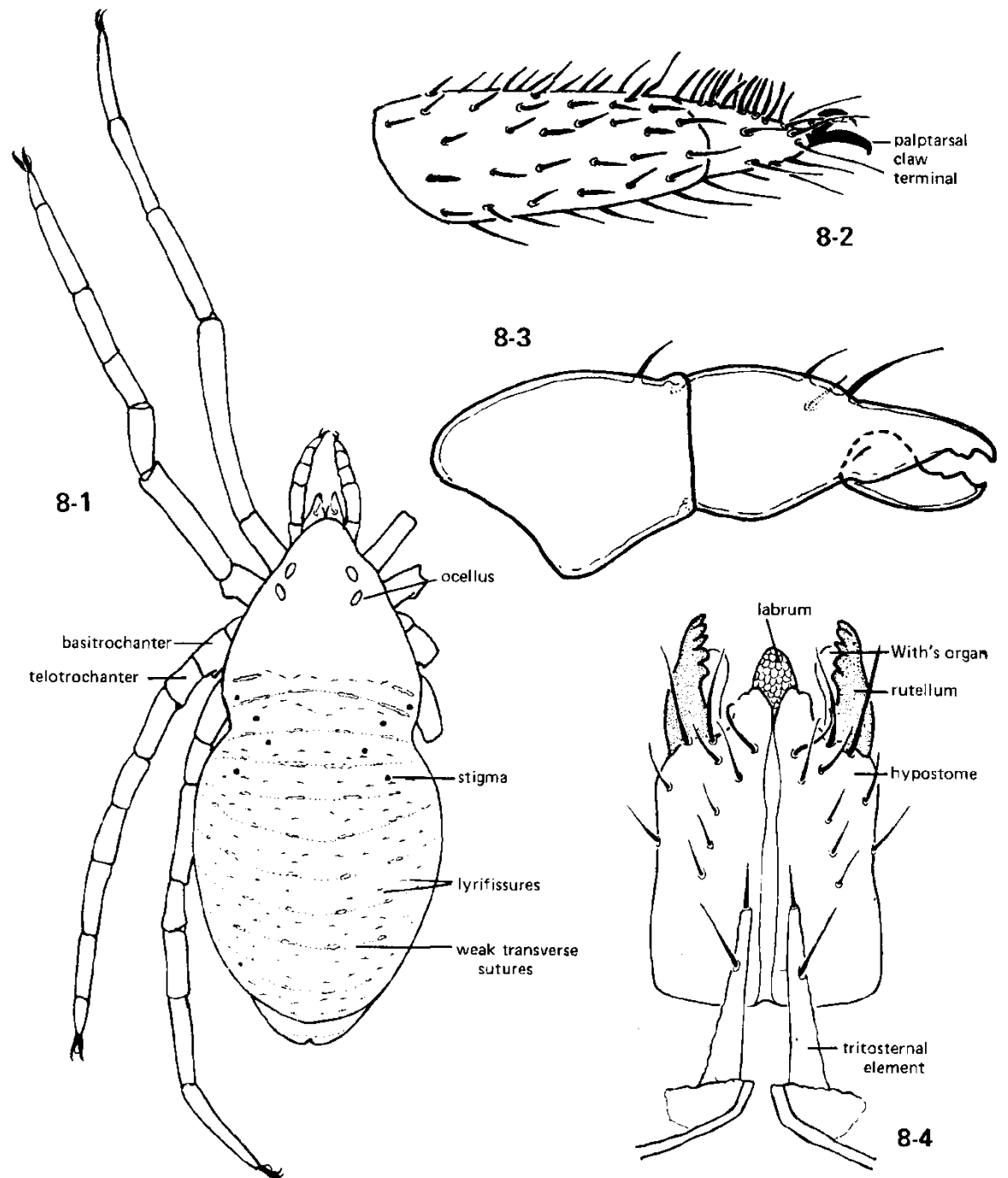
HIPÓTESE SOBRE A SEGMENTAÇÃO PRIMITIVA E EVOLUÇÃO DA TAGMATIZAÇÃO NOS ACARIFORMES (ARACHNIDA: ACARI)

[BASEADO EM GRANDJEAN (1954) E COINEAU (1974)]

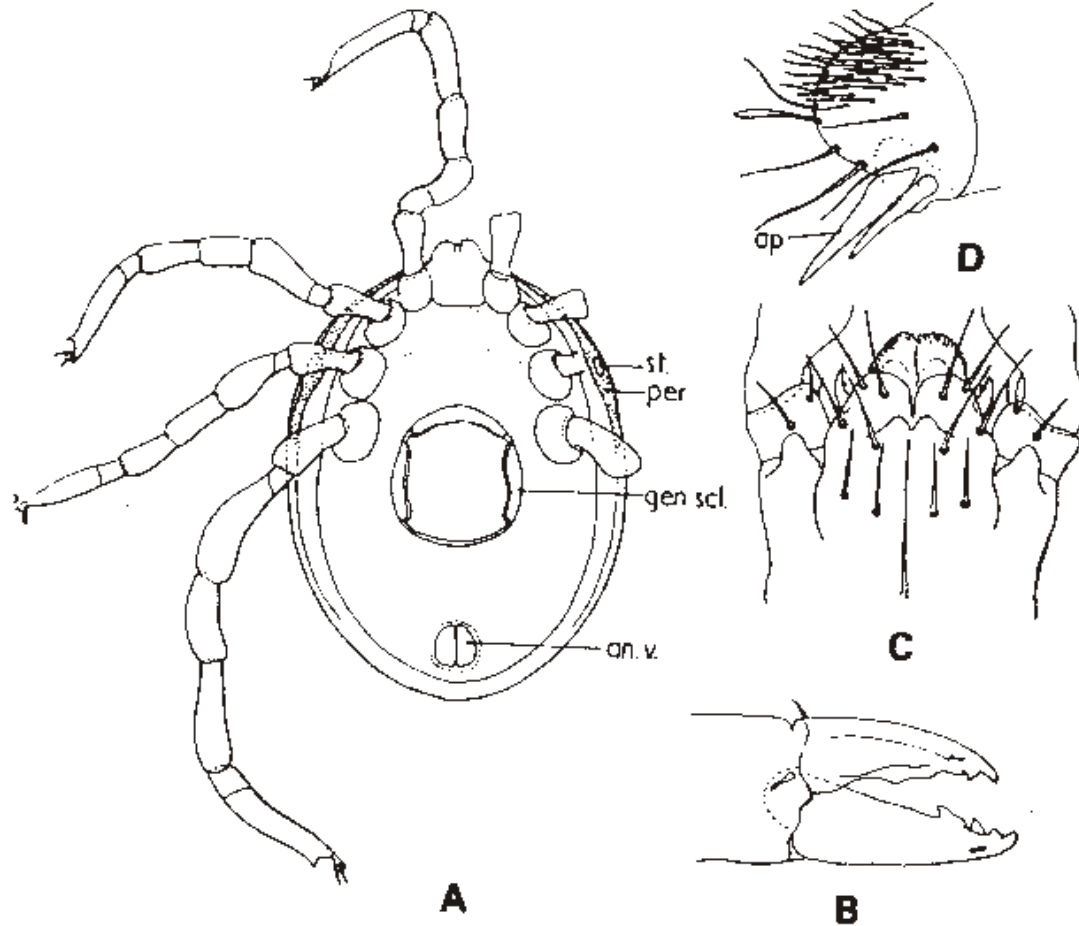
AUTORES: A.R. OLIVEIRA, C.H.W. FLECHTMANN & G.J. DE MORAES - ILUSTRAÇÕES: A.R. OLIVEIRA



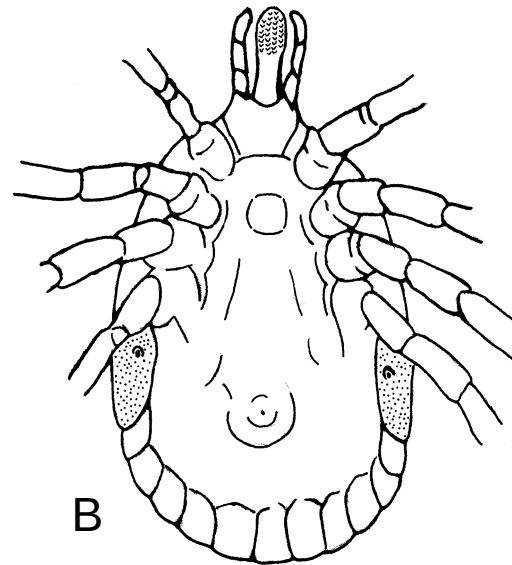
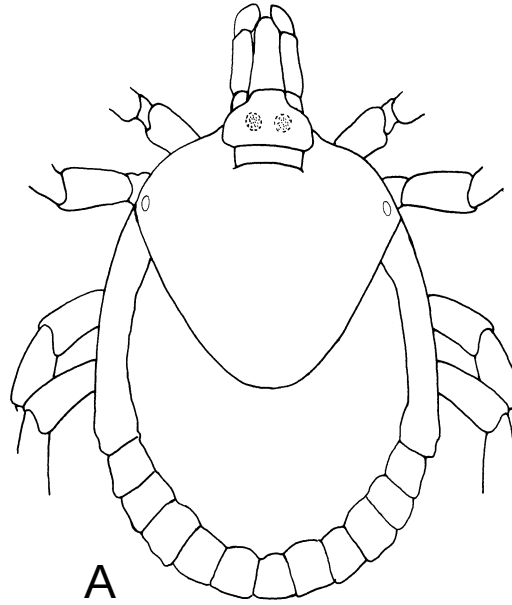
Opilioacarida



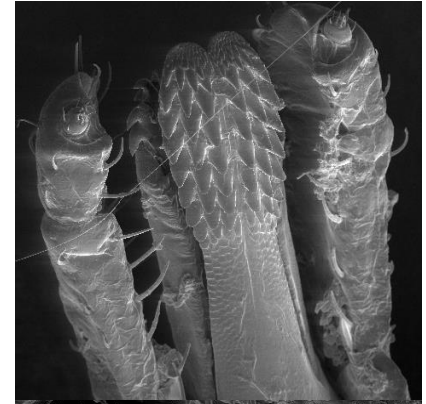
Holothyrida



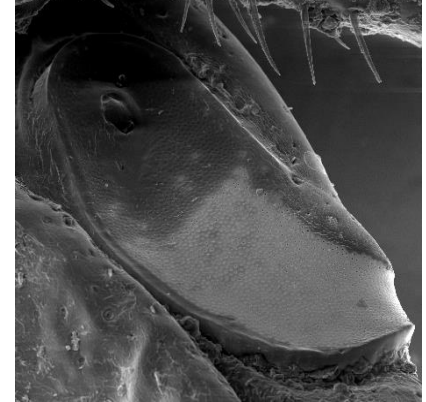
Ixodida



C

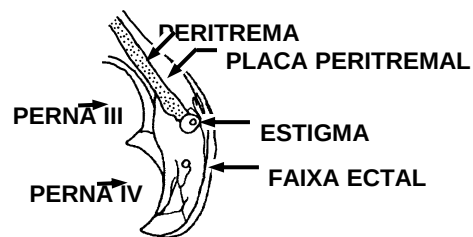
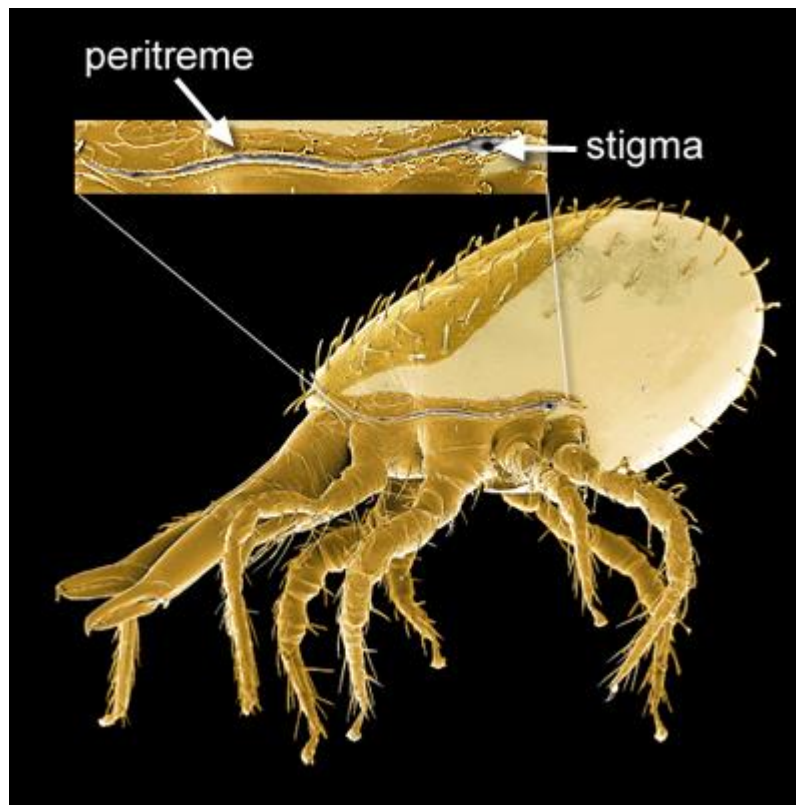


D



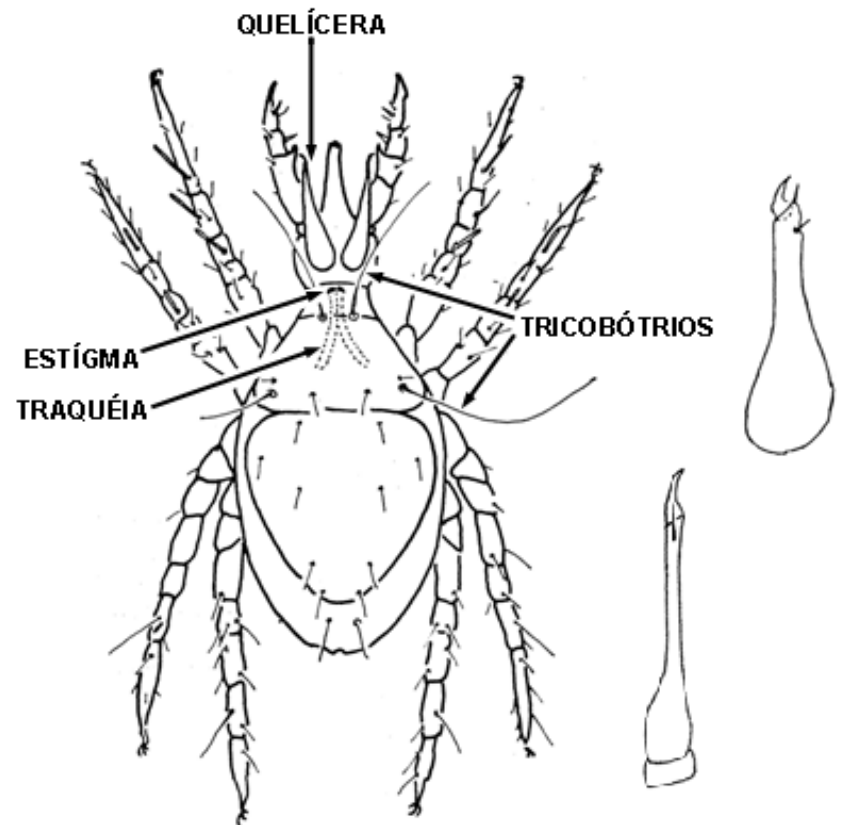
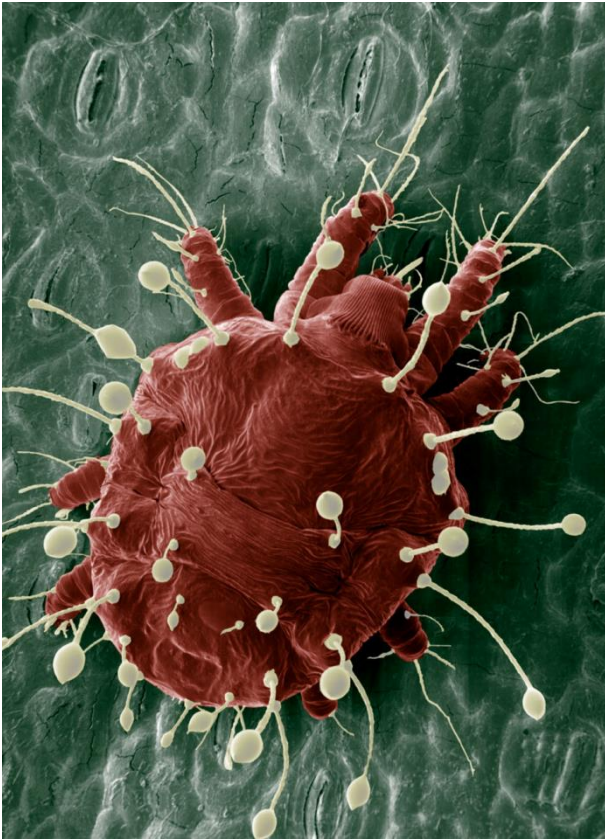
E



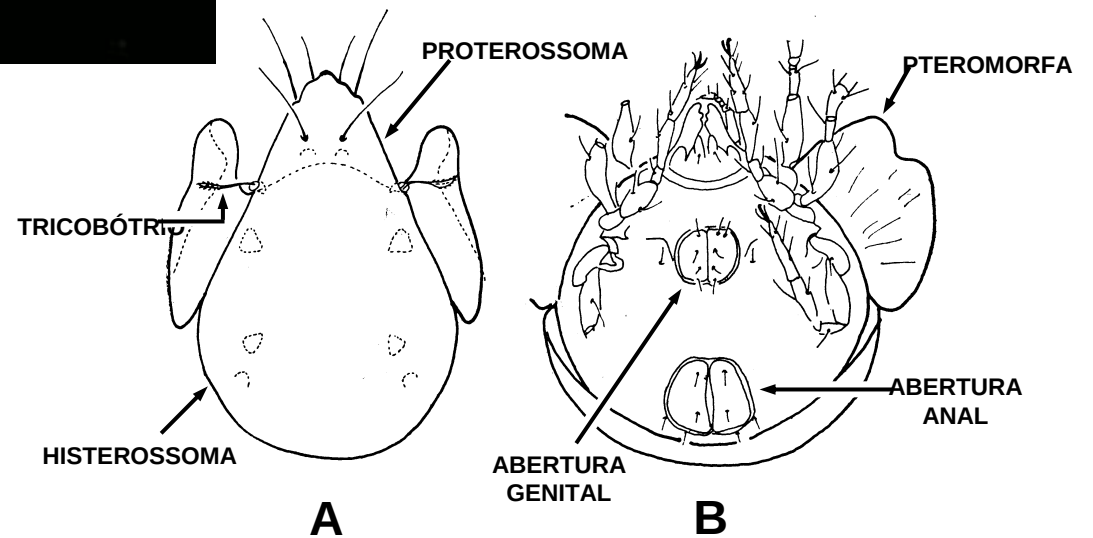
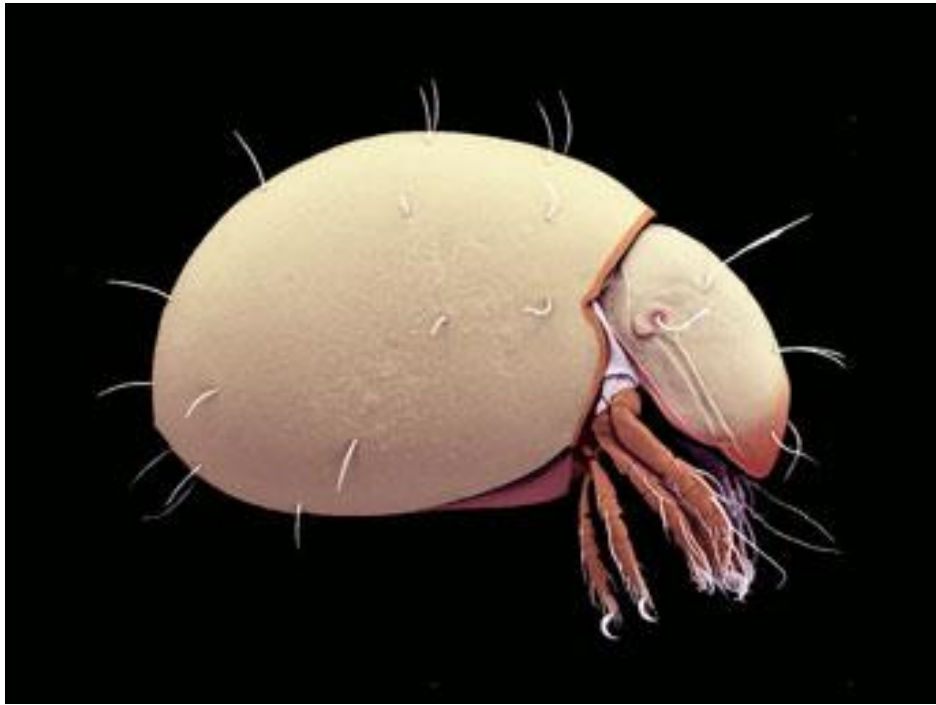


Mesostigmata

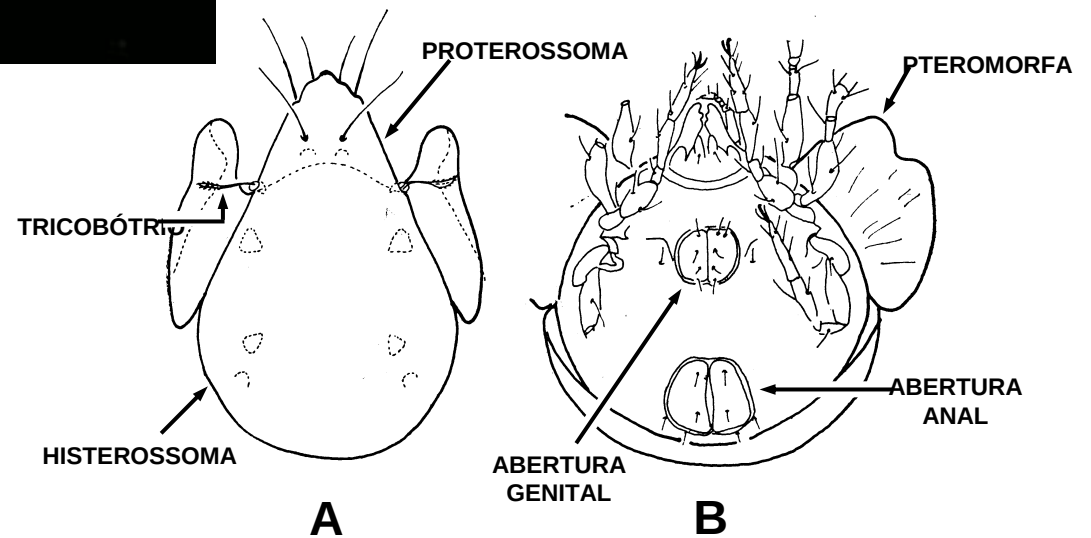
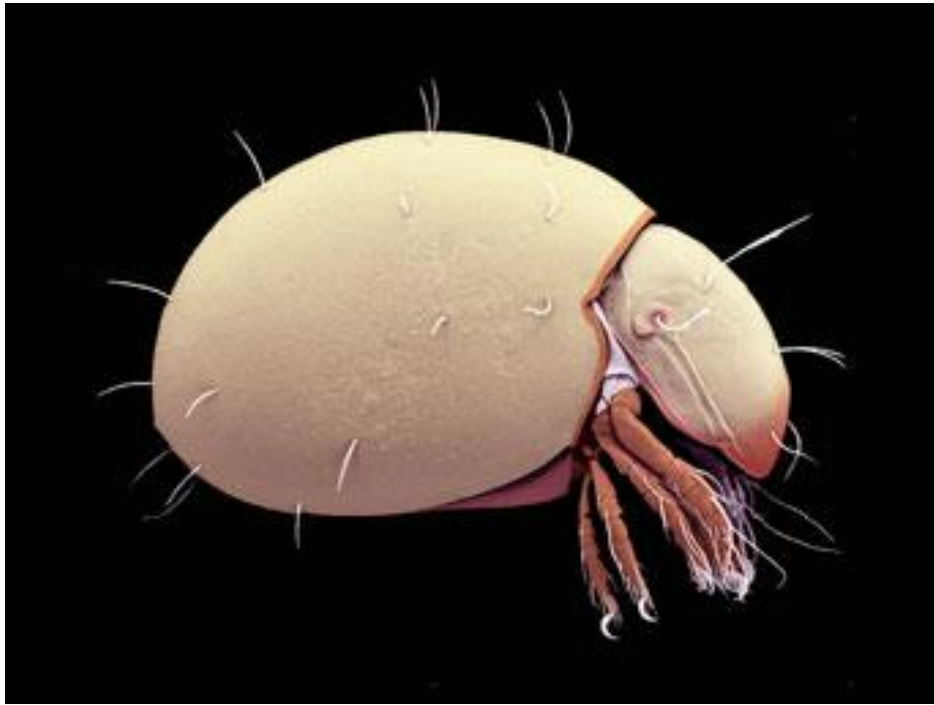




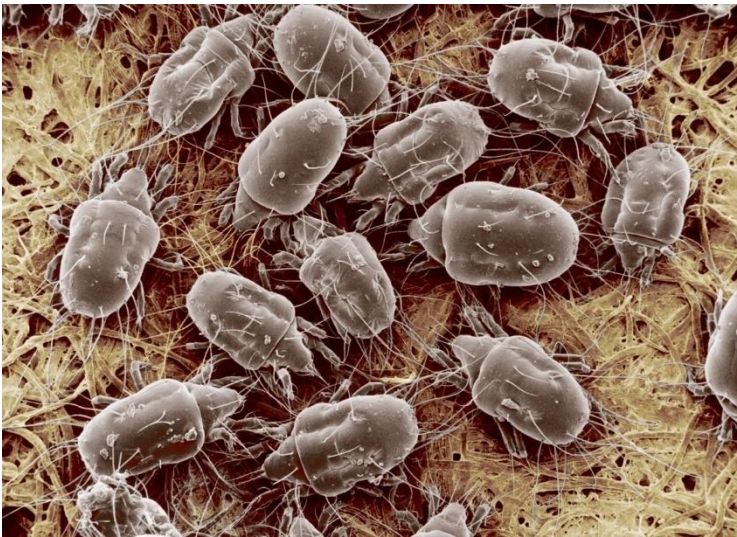
Trombidiformes



Sarcoptiformes



Oribatida (Cryptostigmata)



Sarcoptiformes Astigmatina

