

Систематика, филогения, морфология и зоогеография полужесткокрылых

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The collectors of the field trip at the Lazo Nature Reserve (from left to right):
Fedor Konstantinov, Alexey Solovyev, and Anna Namyatova
(St. Petersburg State University)



Urochela flavoannulata Stal



Acrocorisellus serraticollis Jak.

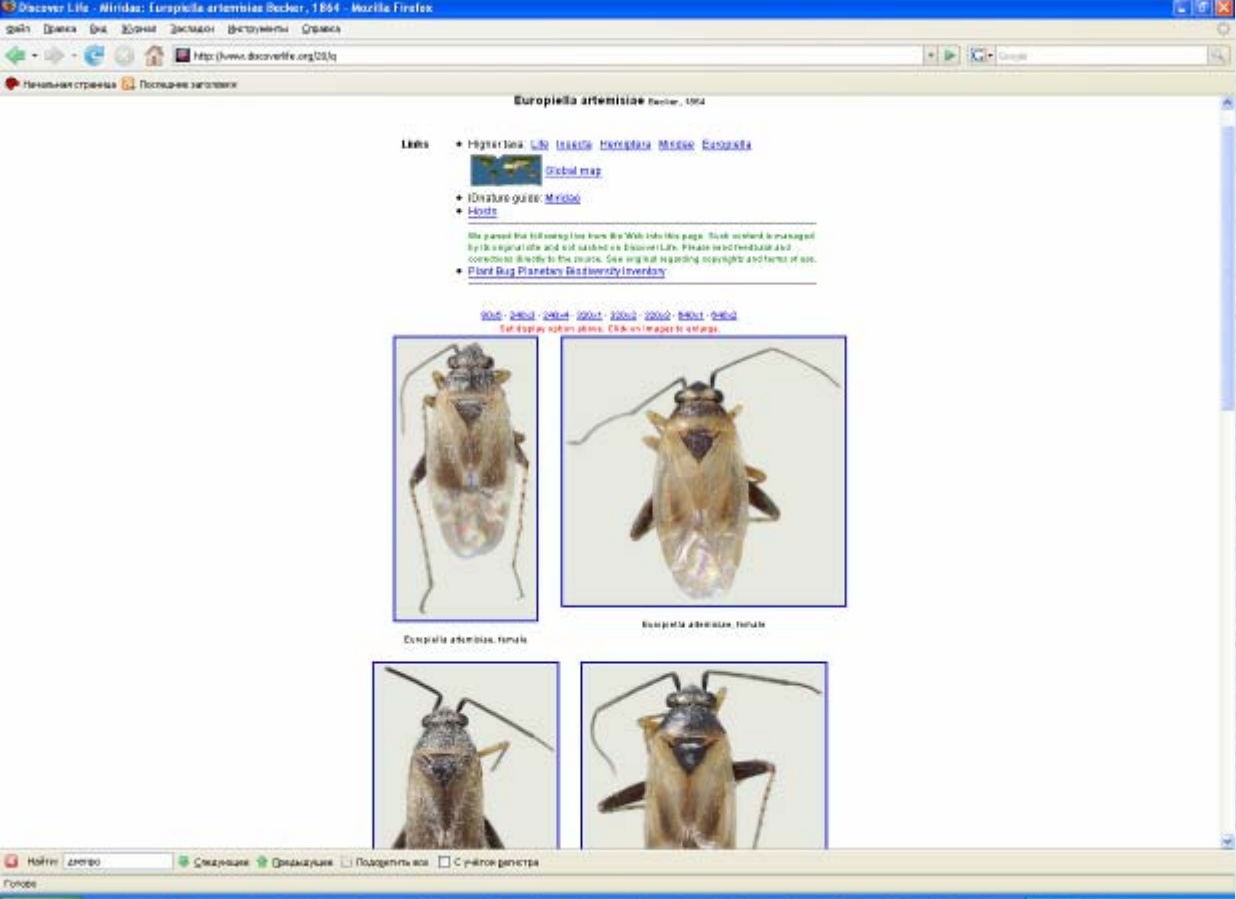
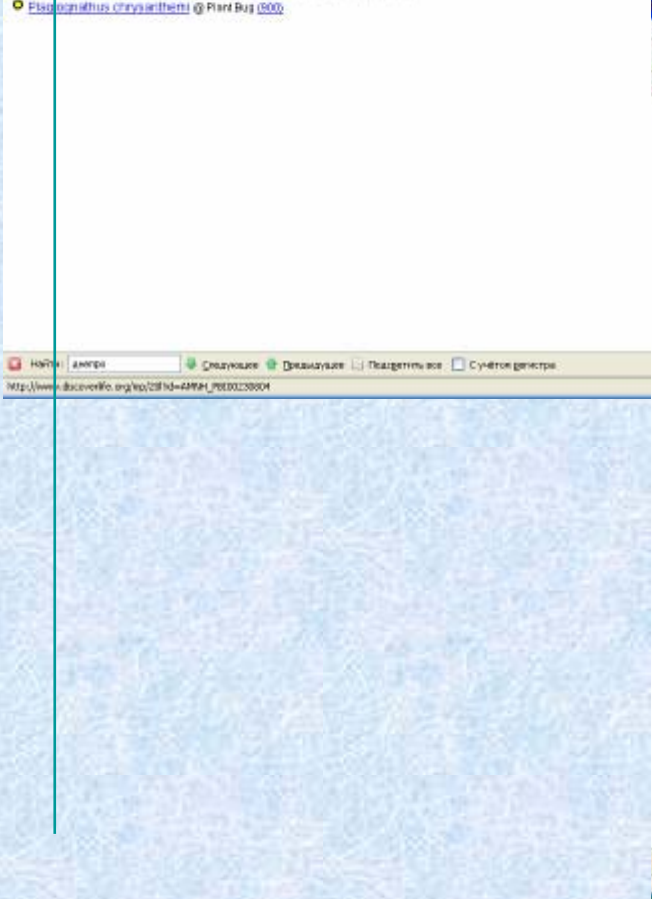
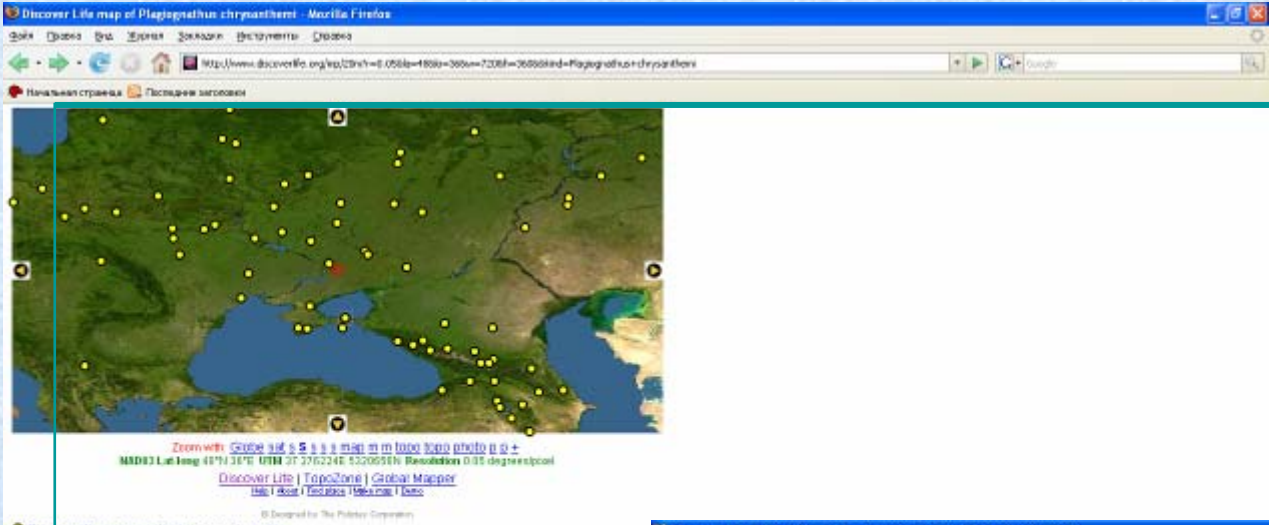


Pentatoma semiannulata Motsch.

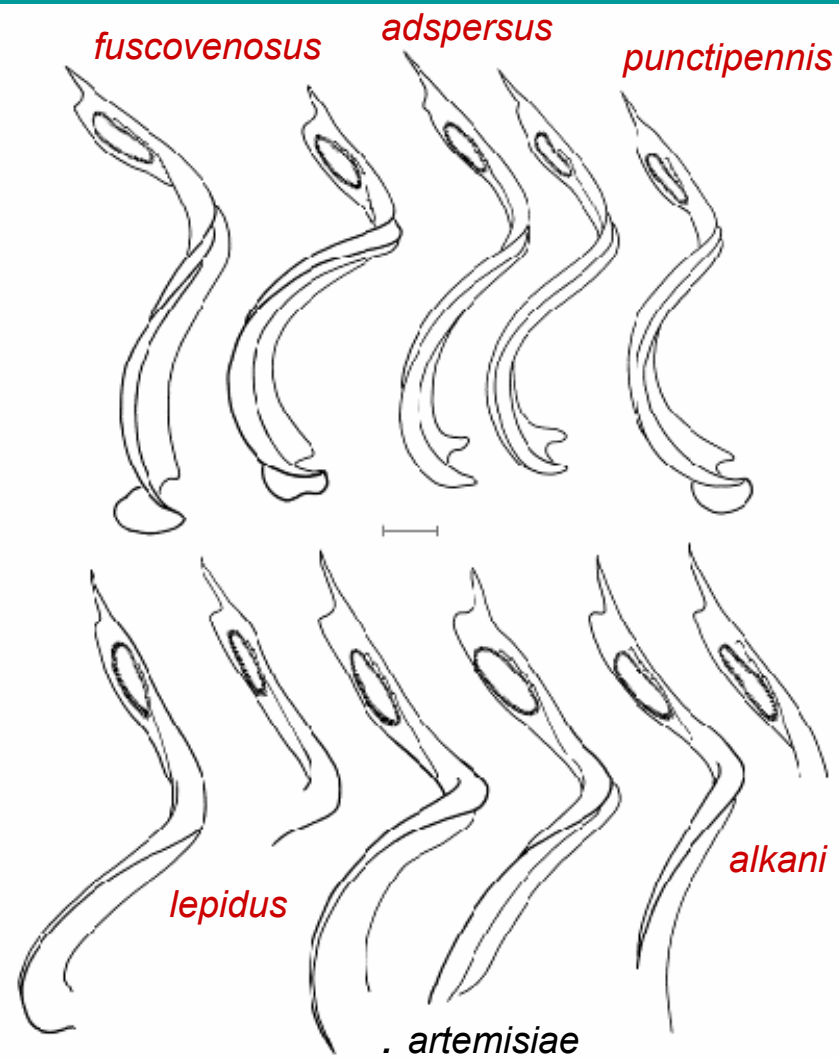
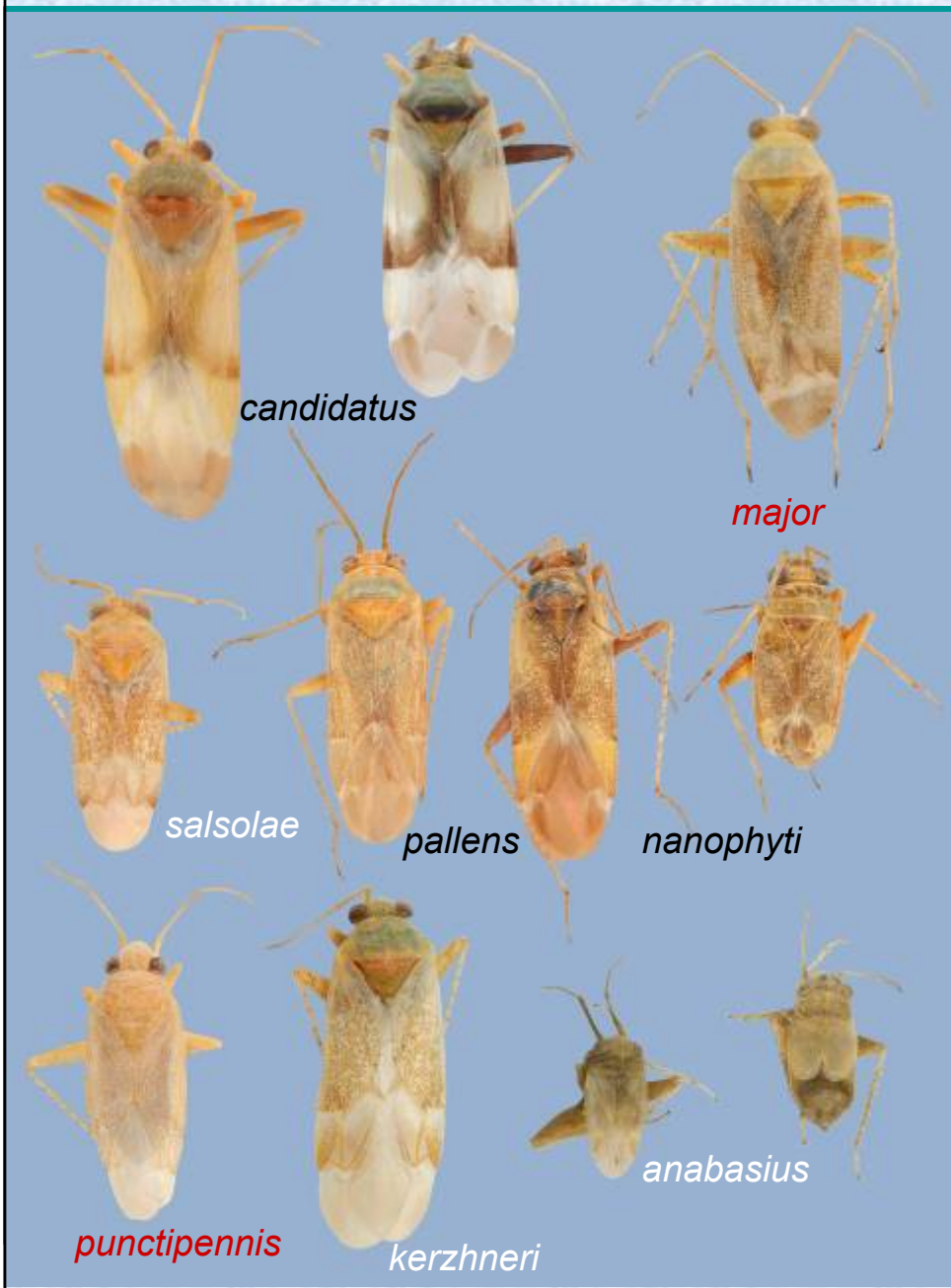


Современные методы таксономических исследований





Подготовка обобщающих обзоров и определительных ключей, описание новых таксонов



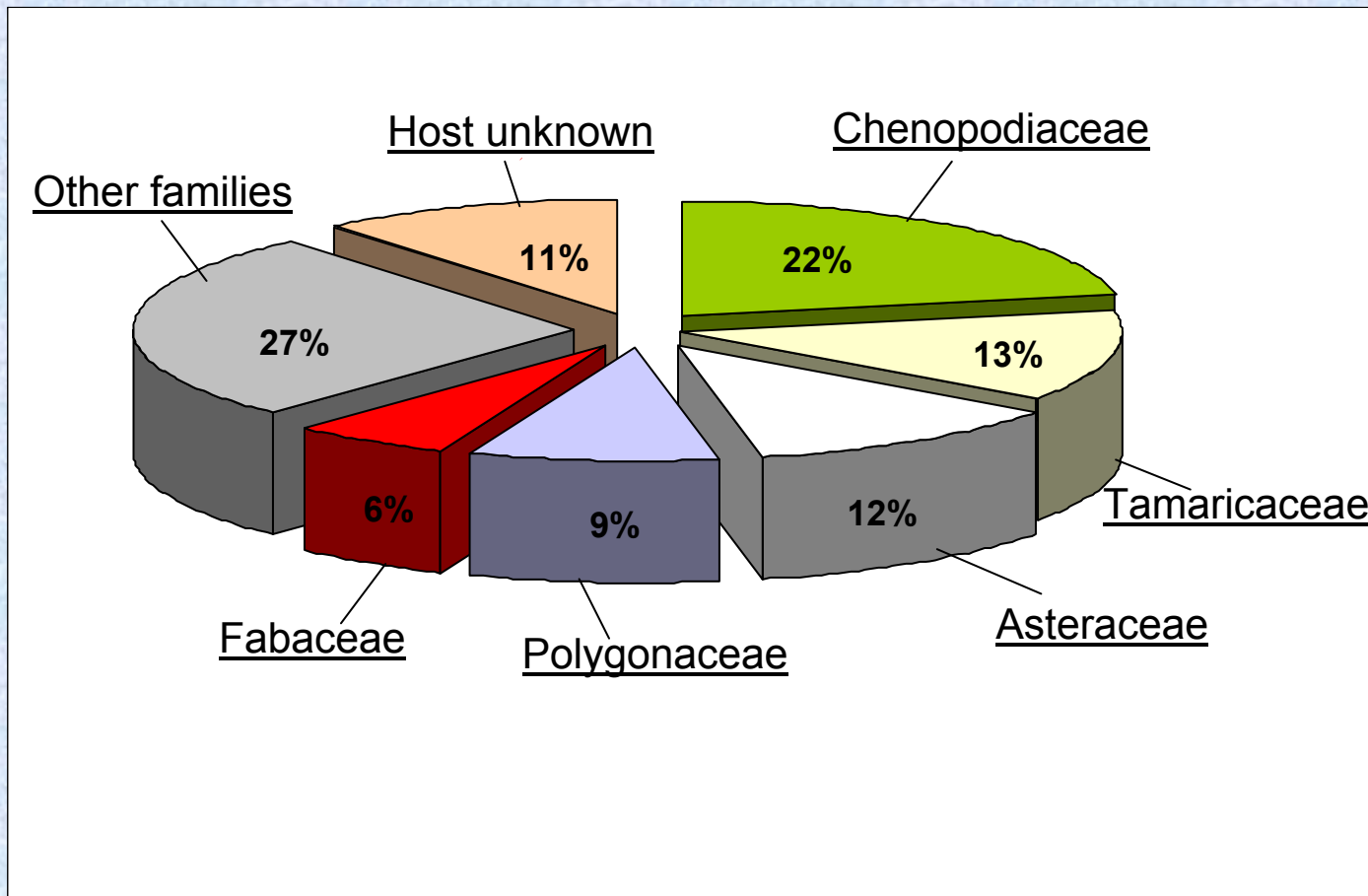
Выявление закономерностей распространения

	KAZAKHSTAN	KYRGYZSTAN	TAJIKISTAN	TURKMENISTAN	UZBEKISTAN
KAZAKHSTAN					
KYRGYZSTAN	76%				
TAJIKISTAN	59%	47%			
TURKMENISTAN	56%	32%	66%		
UZBEKISTAN	69%	49%	65%	66%	

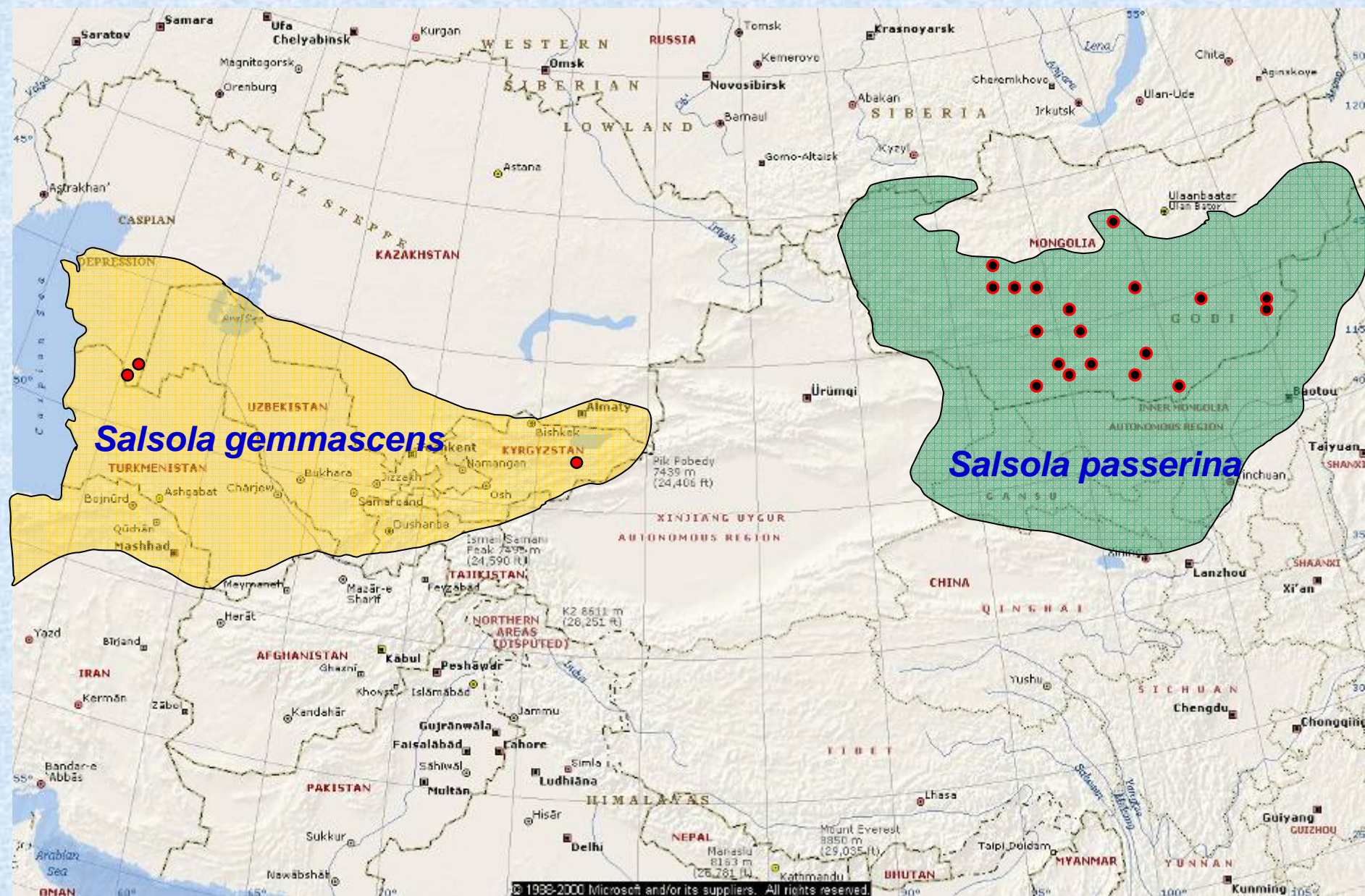


Выявление кормовых связей и сопряженной эволюции с растениями

Frequency of Central Asian Phylinae species per family of host plant

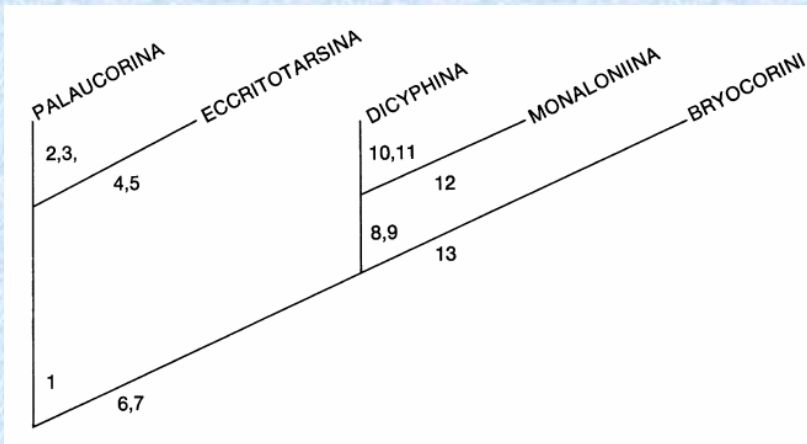


Распространение *S. kerzhneri* (●), *S. salsolae* (●) и их кормовых растений



Распространение кормовых растений по *Plants of Central Asia* (Grubov, 2000) и *Flora of China* (Zhu Gelin et al, 2003).

Исследование морфологии для реконструкции филогении



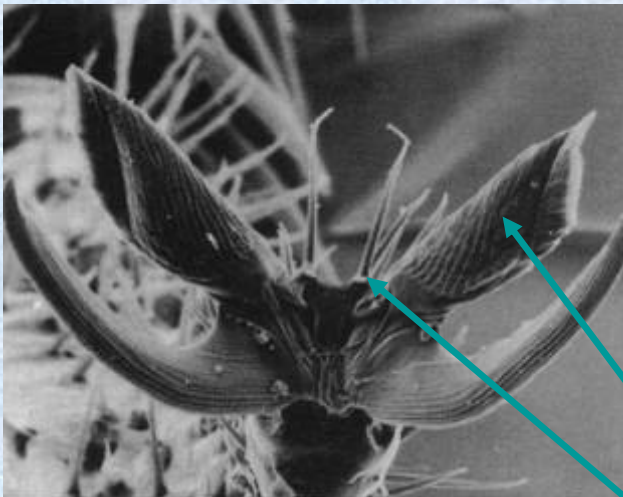
Poppiusia lerovi
(Monaloniina)



Chamus mefisto
(Odoniellina)



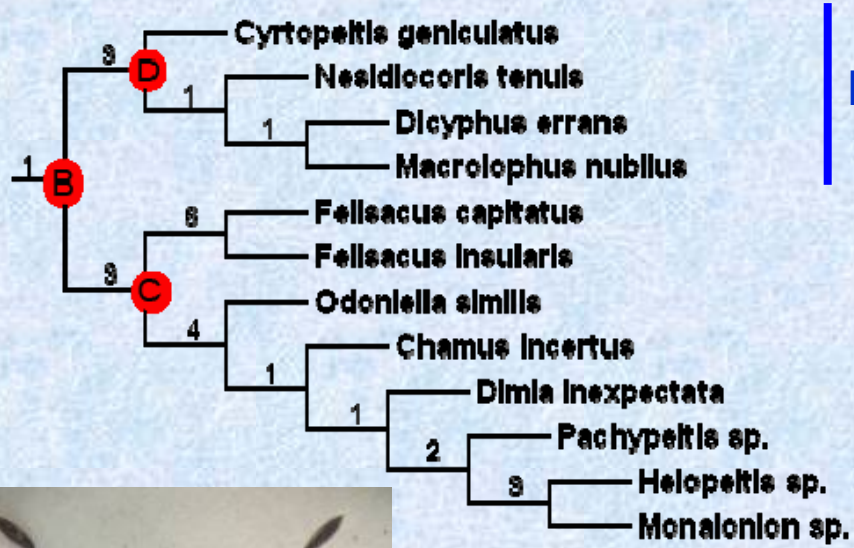
Cyrtopeltis geniculata
(Dicyphina)



Dicyphini:

- three subtribes, namely Monaloniina, Odoniellina and Dicyphina, each containing about 20 genera
- pseudopulvilli present
- parempodia present

Analysis of Bryocorinae: Dicyphini

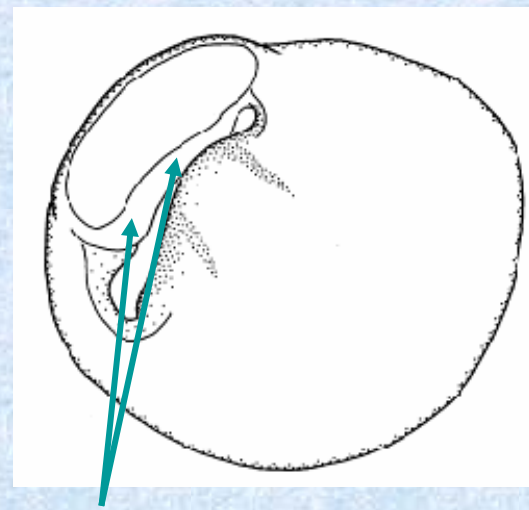


Dicyphina

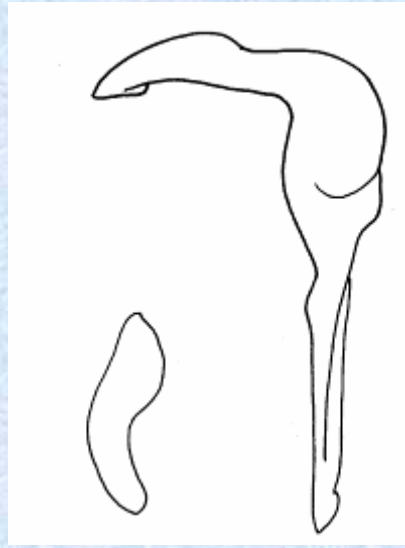
Odoniellina and Monaloniina



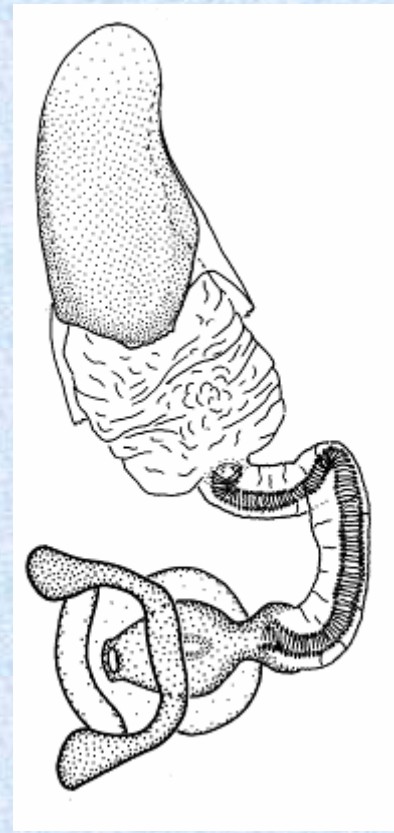
Odoniella rubra



supragenital bridge



right paramere left paramere



aedeagus