20TH EUROPEAN COLLOQUIUM OF ARACHNOLOGY



PROGRAM ABSTRACTS LIST OF PARTICIPANTS

Deptartment of Zoology, Berzsenyi Dániel College, Szombathely

Plant Protection Institute Hungarian Academy of Sciences, Budapest

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ORGANISERS:

Plant Protection Institute, Hungarian Academy of Sciences, Budapest, Hungary Department of Zoology, Berzsenyi College, Szombathely, Hungary

ORGANISING COMMITTEE:

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In Memoriam Imre Loksa

Affinities of spider fauna of southeastern Palaearctic

Marusik, Yu. M. (1), Mikhailov, K. G. (2)

- (1) IBPN RAS, Portovaya Str. 18, Magadan 685000, Russia
- (2) ZMMU, Bolshaya Nikitskaya Str. 6, Moscow 103009, Russia

Southeastern extremity of Palearctic, an area lying south of Amur to Yangtze has fauna and flora very different from neighboring Siberia and Mongolia. This biogeographic area has several names Palearchearctic, Himalayan-Chinese Area, Amur-Japanese Area, Chinese Area, Chinese-Japanese Area, Manchuria, etc. Number of species living in this area exceeds 1500 species, over 600 were found in south part of the Russian Far East. Northern part of Palearchearctic (NE China, Hokkaido, Russian southern Far East) encompass not less than 500 endemic and subendemic species and more than 33 genera. Several families occurs within Palearctic or even Holarctic within Palearchearctic only (Anthrodiaetidae, Ctenidae, Selenopidae, Trochanteridae). Rather many supraspecific taxa are present in East Palearctic in south Far East only (Atypidae, Leptonetidae, Mysmenidae, Oecobiidae, Oonopidae, Bassaniana, Chrysso, Leucauge, Octonoba, Phoroncidia etc). Number of joint endemics of northern Palearchearctic with neighboring Siberia is rather week. There are only 70 such species and 10 genera (cf. 100 species are endemic for both Siberia and Nearctic, or 220 for Siberia and Europe). By occurrence of several spiders taxa, fauna of Palearchearctic resembles very much those of south Caucasus. These areas even share some joint species that are absent in other parts of Palearctic. Two areas share several joint families and rather many genera lacking in East Palearctic north of 50° N.

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