

Two new species of mite genus *Archidispus* (Acari: Heterostigmata, Scutacaridae) from Ukraine

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Abstract

Two new species of the mite genus *Archidispus* Karafiat, 1959 are described from Ukraine: *Archidispus kurosai* spec. nov. and *A. ukrainicus* spec. nov. Both species were found to be phoretic on carabid beetles of the genus *Stenolophus* (Coleoptera: Carabidae).

Key words: *Archidispus*, Scutacaridae, new species, Carabidae, Ukraine

Introduction

Mites of the genus *Archidispus* Karafiat, 1959 are usually associated with different carabid beetles (Karafiat, 1959, Khaustov, 2002, Kurosa, 1983, Ebermann, 1991). During the course of study of mites associated with carabid beetles (Coleoptera: Carabidae), two new species of the genus *Archidispus* were found in Ukraine. My descriptions of new species are based on phoretic females only.

The terminology used in the description follows that of Lindquist (1986). The type specimens are deposited in the collection of the Department of Acarology, Scmalgausen Institute of Zoology, Kiev, Ukraine.

Material and methods

Mites were collected from pinned carabid beetles, cleared in lactic acid and placed on slides in Berlese's medium. Measurements were taken with the aid of a light phase contrast microscope with an ocular micrometer. All measurements are given in micrometers (μm) for holotype and lowest and highest measurements for paratypes (in parentheses).