

To a Study of Mites of the Genus *Arctoseius* (Parasitiformes, Ascidae) from the Far North: 1. Morphometric Analysis of the Taxonomic Features of Arctic Species and Description of *Arctoseius tschernovi* sp. n. and *A. miranalis* sp. n.

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Abstract—No less than 16 species of the genus *Arctoseius* occur in the arctic tundra and polar deserts. Such a species diversity within a single genus is unique among terrestrial animals in High Arctic. Four species of *Arctoseius* were found to be new to science. The new morphometric characters and those previously used in the systematics of the genus are analyzed, and a set of characters necessary for reliable description and identification of species is compiled. The new species *Arctoseius tschernovi* sp. n. (Franz Josef Land, Severnaya Zemlya, N coast of Taimyr, and Wrangel Island) and *A. miranalis* sp. n. (Severnaya Zemlya, Chelyuskin Peninsula, N coast of Yakutia, and Novosibirskie Islands) are described.