

A New Species of the Genus *Romanobates* (Acari : Oribatida) from Korea

한국산 *Romanobates*속의 1 신종

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ABSTRACT The present work was carried out to describe a new species of oribatid mite (Acari:Oribatida: Oribatulidae), *Romanobates maiensis*, from Korea

KEY WORDS Taxonomy, Acari, Oribatida, Oribatulidae, Korea

초 록 한국산 날개응애 1 신종, 마이산팔자지게응애(*Romanobates maiensis* sp n)를 기재하였다.
검색어 분류, 응애목, 날개응애아목.

DESCRIPTION

Family Oribatulidae Thor, 1929

Genus *Romanobates* Feider et Vasiliu, 1970

Romanobates maiensis sp. n. (Fig. 1)

마이산팔자지게응애

Measurement. Body length: 600(625)672 μ m,
width: 388(402)428 μ m

Colour. Brown

Prodorsum. Rostrum conical. Posterolateral side of prodorsum granulated. Rostral seta(*ro*) 90~95 μ m long, ciliated, and arising on the latero-prodorsal surface. Lamella narrow and about 60 μ m long. Translamella also narrow. Lamellar seta(*le*) 120~126 μ m long, straight, ciliated, and well expanding beyond tip of rostrum. Interlamellar seta(*in*) similar in shape to lamella's, about 116 μ m long and ciliated. Mutual distance of setae *ro*, *le*, and *in* about 74 μ m, 52 μ m, and 66 μ m, respectively. Exbothridial seta(*ex*) similar in shape to *in*, long, and ciliated. Sensillus(ss) clavated: the head rough with spines and about 70 μ m long. Bothridium open dorsally.

Notogaster. Oval in outline. Dorsosejugal suture

weakly convex and faint medially. Pteromorph only hardly projecting from the notogastral outline. Fourteen pairs of notogastral setae long, straight, ciliated, and very similar in shape to prodorsal setae. Four pairs of areae porosae; *Aa* largest and elongated. One pair of lyrifissure(*im*) and grand opening(*gla*) present.

Ventral side. Pedotecta I, II, and discidium(*disc*) well developed. Apodemata *sj*. well developed, meeting at the front of genital aperture. Epimeres smooth. Epimeral setal formula: 3-1-3-3. All epimeral setae barbed, especially 1c, 3c and 4c longer than others. Anogenital setal formula: 5-1-2-3. Genital setae shorter and thinner than anal ones. *ad1* and *ad2* thickened and barbed, but *ad3* thin, smooth, preanal, and widely seperated from *ad2*. *iad* preanal. All tarsi tridactylous. Seta *h* on hypostome long and barbed. Setae on chelicera barbed.

Materials. Holotype: Mt. Maisan, Jinan-gun, Chonbuk, southern part of Korea.

24-IV-1994. by Choi, S.S. 2 paratypes: the same data as the holotype. The mites were collected from moss on rock. All the specimens are deposited in Lab. of Plant Protect., Coll. of Agri., Won Kwang

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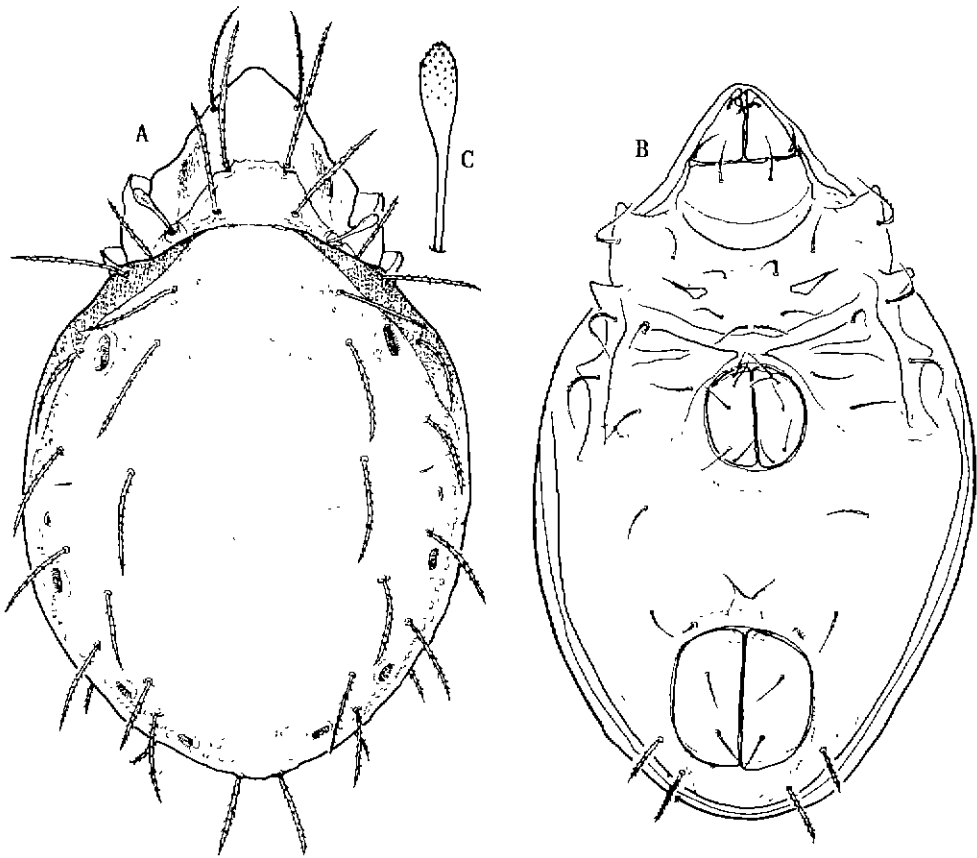


Fig. 1. *Romanobates maiensis* sp.n., A: Dorsal, B: Ventral, C: Sensillus.

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Remarks. The new species is related to *R. reticulatus*, which was described from Romania by Feider *et al.*, 1970. However, the latter is distinguished from the former in 1) whole surface of notogaster reticulated, 2) all adanal setae same in shape, 3) circular form of notogaster, and 4) large body size (714×475 μm).

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