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TITLE: Türkiye faunasi için yeni bir tür, Zercon montanus Willmann, 1943 (Acari, Zerconidae)

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***Zercon montanus* Willmann, 1943, a new record for the fauna of Turkey (Acari, Zerconidae)**

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Summary

Zercon montanus is recorded for the first time from Turkey. Its important diagnostic characters are given and illustrated.

Introduction

The zerconid mite fauna of Turkey is still poorly known. Özkan et al. (1994) give a list of the mites (including zerconid mites) of Turkey so far. Since then, in addition to 11 known species, 6 species of zerconid mites have been recorded (Urhan and Ayyıldız, 1994, 1996 a, b).

In the course of study on zerconid mites from Artvin province we found females of *Zercon montanus* Willmann, 1943 (Acari, Zerconidae) which were determined to be a new record for the Turkish fauna. On the basis of drawings made from the collected specimens, its description is revised.

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Material and Method

The mites in soil and litter samples taken from Artvin province were extracted in the funnel apparatus of Berlese. Then they were fixed and preserved in 75 % ethanol. Morphological terminology follows that used by Sellnick (1958) and Blaszkak (1974). All material has been deposited in the collection of the first author.

Results

Family: Zerconidae Canestrini, 1891

Genus: *Zercon* C.L. Koch, 1836

Type-species: *Zercon triangularis* C.L. Koch, 1836

Zercon montanus Willmann, 1943

(Fig. 1 A-B)

Female: Length of idiosoma (excluding gnathosoma) 580 (565-612) μ m, width 510 (496-527) μ m (n = 41). All setae of the podo- and opisthonotum are smooth. Setae I_1 , I_2 , Z_1 and Z_2 are shorter than this rows other setae. Seta I_3 reaches to the base of seta I_4 . Seta I_6 is long and thin. Setae I_6 removed 165 μ m from each other. Seta Z_3 reaches to the base of seta Z_4 . Seta Z_4 similar to seta I_6 and does not reach the posterior margin of the opisthonotum. The distance between setae Z_5 and I_6 is 36 μ m. Setae S_2 - S_4 similar to seta I_6 and seta S_2 reaches to the margin of opisthonotum. The pore Po_3 lies on the line connecting setae Z_4 - S_3 . With four setae on the anterior margin of the ventro-anal shield. Length of and distance between opisthonotal setae as follows:

S_1 - 24 87 (82 - 92)	Z_1 - 16 (14-17) 75 (68 - 82)	I_1 - 120 (10-14) 77 (68 - 88)
S_2 - 44 (41 - 48) 82 (75 - 88)	Z_2 - 18 (17 - 20) 53 (44 - 58)	I_2 - 16 (14 - 20) 61 (54 - 75)
S_3 58 60 (54-65)	Z_3 - 58 41 (37 - 44)	I_3 - 25 (20-27) 24 (20 - 28)
S_4 - 62 (58 - 68)	Z_4 - 65 (58 - 68) 86 (75 - 95)	I_4 - 25 (24-27) 24 (20 - 28)
	Z_5 - 30 (27 - 34)	I_5 - 25 (20 - 27) 67 (61 - 72)
		I_6 - 67 (61 - 72)

Material examined: The beginning of Artvin-Kafkasör stabilized road, 860 m, 20.9.1992, litter and soil from a mixed forest, 1 female. Kafkasör plateau, 1200 m, 15.9.1993, litter and soil from a mixed forest, 29 females, 15 km W of Borçka, 400 m, 27.7.1993, litter and soil underlying *Cestanea sativa* in a mixed forest, 5 females, and moss pads on the land in a mixed forest, 5 females. Rabat village (Şavşat),

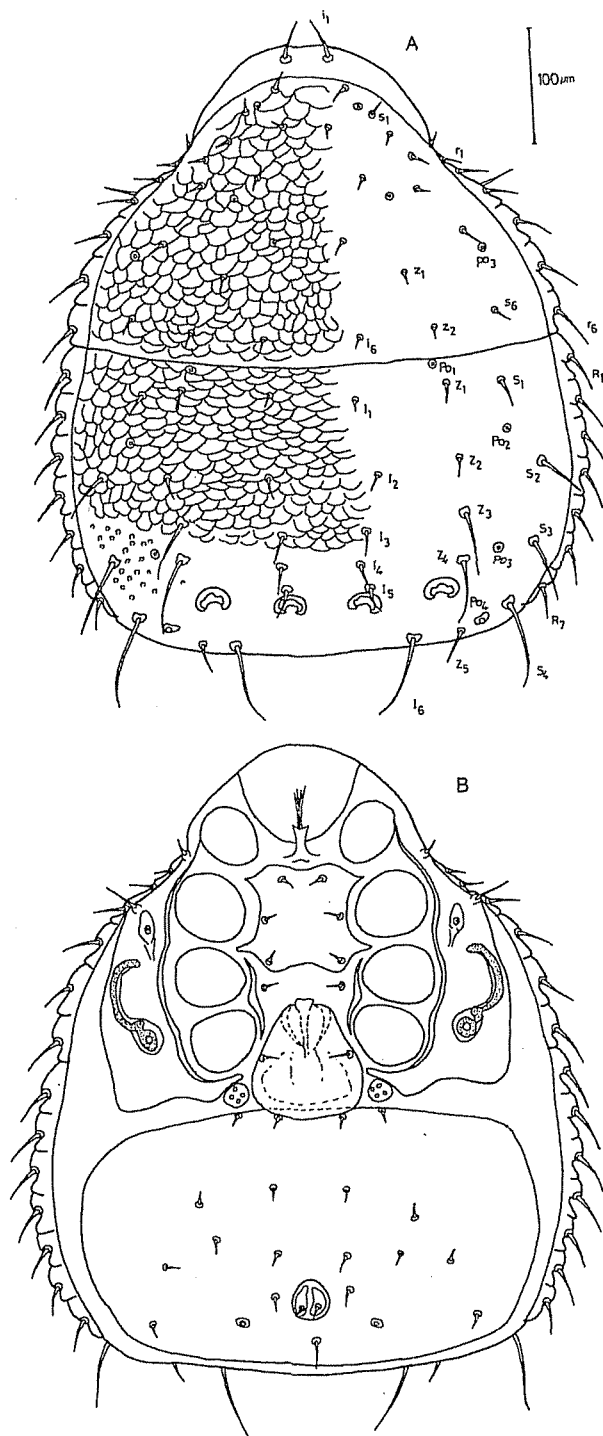


Figure 1. *Zercon montanus* Female: A. Dorsal idiosoma, B. Ventral idiosoma.

1020 m, 15.9.1993, leaf sample from *Malus sylvestris* in a garden, 1 female.

Distribution: Austria, Spain and Russia (Athias-Henriot, 1961; Petrova, 1977).

Discussion: The dimension of dorsum of idiosoma of *Z. montanus* (as μm) has been given as 615/480 by Willmann (1953), 594-615/440-480 Sellnick (1958), 500-546/405-440 Athias-Henriot (1961) and 590-620/440-480 Petrova (1977). Dimension of the specimens found in Turkey is 565-612/496-527 μm . In this respect, Turkish specimens are in the range of the dimension of the specimens known until now. Although seta Z_3 does not reach base of seta Z_4 in the specimens known until now, it reaches to beyond the base of seta Z_4 in our specimens. Turkish material resembles the known specimens in the other features.

Özet

Türkiye faunası için yeni bir tür, *Zercon montanus* Willmann, 1943 (Acari, Zerconidae)

Zercon montanus Türkiye faunası için yeni kayıt olarak belirlendi. Önemli ayırt edici özellikleri şekillerle birlikte verildi.

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