

## New records of ladybird beetles (Coleoptera: Coccinellidae) from Kazakhstan

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The article provides with data on the habitat and distribution of two ladybird species (Coleoptera, Coccinellidae) – *Myzia gebleri* (Crotch, 1874) and *Coccinella nivicola* (Mulsant, 1850), found in the territory of the Katon-Karagai State National Naturå Park (Southwestern Altai, East Kazakhstan) and recorded for Kazakhstan for the first time.

Key words: ladybug, Katon-Karagai National Park, protected areas, South Western Altai, East Kazakhstan.

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### INTRODUCTION

As a result of our entomological field study in the territory of Katon-Karagai National Park (Southwestern Altai, East Kazakhstan) we have discovered new species of ladybirds, previously not indicated for Kazakhstan (Dobzhansky 1925, 1926, 1928; Savoiskaya 1983; Bielawski 1984; Kuznetsov 1992; Kovay 2007; Lee & Lee 2015; Nikitsky & Ukrainsky 2016; Gabdullina 2016a, b; Nepaeva et al. 2017). The field studies on the Coleoptera fauna have been performed in the territory of the National park since 2005.

### MATERIALS AND METHODS

During the field works, we used generally accepted methods of collecting beetles (Fasulati 1971). The beetles were collected in the Katon-Karagai district of East Kazakhstan region of Kazakhstan. All the specimens are deposited in the collection of the Katon-Karagai National Park (KKSNNP) and in the Laboratory of fundamental applied zoology of the Altai State University. Specimens were photographed with an Olympus DP74 camera attached to a Olympus SZX16 at the Altai State University, Barnaul, Russia. Digital images were montaged using Helicon Focus image stacking software.



Fig. 1. Dorsal habitus of *Coccinella nivicola* Mulsant, 1850



Fig. 2. Dorsal habitus of *Myzia gebleri* (Crotch, 1874)

In our study we use the classification by I. Kováč (2007), modified by O. Nedvěd and I. Kováč (2012). The general species distribution is given according to Th. G. Dobzhansky (1925, 1926, 1928), G. I. Savoiskaya (1983), V. N. Kuznetsov (1992, 2006), I. Kováč (2007), Ī. J. Lee and J. E. Lee (2015), N. B. Nikitsky and Ā. S. Ukrainsky (2016).

## RESULTS

Family Coccinellidae Latreille, 1807  
Subfamily Coccinellinae Latreille, 1807  
Tribe Coccinellini Latreille, 1807  
Genus *Coccinella* Linnaeus, 1758  
*Coccinella nivicola* Mulsant, 1850 (Fig. 1)

**Material.** KKSNNP, left bank of the riv. Sarymsakty (under stones), N 49°03'25.7" E 85°39'39.6" h=2025 m, 11.06.2008, 1 specimen, Gabdullina Ā. U.

**Distribution.** Russia (W and E Siberia, Far East), China, Mongolia, Kazakhstan (new record).

Genus *Myzia* Mulsant, 1846  
*Myzia gebleri* (Crotch, 1874) (Fig. 2)

**Material.** KKSNNP, rd. Sarymsakty (in landings of *Pinus sylvestris*), N 49°08' E 85°38' h=1193 ĩ, 20.06.2017, 2 specimens, Scherbakova V.V., Redko Ā. S., Gabdullina Ā. U.

**Distribution.** Russia (W and E Siberia, Far East), Japan, Mongolia, China, Kazakhstan (new record).

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