Coastal Staphylinidae (Insecta, Coleoptera) of Dokdo Island, Ulleung-gun from Korea

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Abstract: The coastal staphylinids are introduced for the first time from Dokdo Island. Three coastal species, Aleochara (Emplenota) fucicola Sharp, Atheta (Badura) tokiokai (Sawada) and Cafius histrio (Sharp), were identified and reported newly from Dokdo island. Their habitus and information about species distribution are provided.

Keywords: Coastal Staphylinidae, Dokdo Island, Korea

Introduction

Dokdo Island as a protected natural area was assigned to no. 336 as a natural monument in 1982. This island is located 87.4 km away from the south east of Ulleungdo Island and consists of two main islands, Dongdo and Seodo.

The first report on insect fauna of Dokdo Island was done by Jolivet (1974). After that, several workers reported the survey on insect fauna from Dokdo Island (Lee and Kwon, 1981; Kwon et al., 1996; Lee et al., 2006; Kim and Yeom, 2006; Park et al., 2010). A total of 129 species and 65 families in 11 orders have been recorded in Dokdo Island (Park et al., 2010). But there have been no reports on coastal beetles from Dokdo Island so far. The corresponding author got a chance to survey at Dokdo Island at June, 2012 and found three coastal species (Aleochara (Emplenota) fucicola Sharp, Atheta (Badura) tokiokai (Sawada) and Cafius histrio (Sharp)) under seaweeds near the dock of Dongdo. We added three coastal species in insect fauna on Dokdo Island. In this survey, the photos of three species are also provided.

Results

Aleochara (Emplenota) fucicola Sharp

This species was reported firstly in North Korea by Paœnik (2001) with Emplenota fucicola. This species is distributed in China, Japan and Far East Russia including Korea. In Korea, this species has habitats in coastal regions of Goseong-gun, Donghae-shi, Samcheok-shi (Gangwondo), Taean-gun (Chungcheongnamdo), Sinan-gun (Jeollanamdo), Pohang-shi (Gyeongsangbukdo), Geoje-shi (Gyeongsangnam-do) and Jejudo Island (Cho and Ahn, 2001; Park and Ahn, 2004). This species was found under seaweeds near the dock of Dongdo.


Atheta (Badura) tokiokai (Sawada)

This species was reported firstly in Korea by Park et al. (2007) and distributed in Korea and Japan. In Korea, this species has habitats in coastal regions of Jejudo Island (Park et al., 2007). This species was collected under seaweeds near the dock of Dodo.


Cafius histrio (Sharp)

This species was reported firstly by Jeon and Ahn (2002) and distributed in Korea, China and Japan. In Korea, this species has habitats in coastal regions of Goseong-gun, Donghae-shi (Gangwondo), Taean-gun (Chungcheongnamdo), Jindo-gun (Jeollanamdo), Yeongdeok-gun (Gyeongsangbukdo), Changwon-shi, Geoje-shi (Gyeongsangnamdo) and Jejudo Island (Jeon and Ahn, 2002). This species was found under seaweeds near the dock of Dongdo.

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**Discussion**

Two unidentified coastal species, *Psammostiba* sp. and *Myrmecopora* sp. of the family Staphylinidae were also found in the same locality of Dokdo Island, but the three species need more time for identification.

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**References**


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