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New data on Pterophoridae of Oman. Part 2 (Lepidoptera: Pterophoridae)

P. Ya. Ustjuzhanin, V. N. Kovtunovich, A. N. Streltsov
& A. K. Ustjuzhanina

Abstract

Three Pterophoridae species are reported as new for the fauna of Oman. To the 17 previously known species from Oman (USTJUZHANIN *et al.*, 2019) we have added three more: *Agdistis hakimah* Arenberger, 1985, *Exelastis montischristi* (Walsingham, 1897) and *Exelastis pumilio* (Zeller, 1873). We provide photos of the adult and male genitals of the rare and little studied species *A. hakimah* and give data on the distribution of all the listed species.

KEY WORDS: Lepidoptera, Pterophoridae, biodiversity, new date, Oman.

Nuevos datos sobre Pterophoridae de Omán. Parte 2 (Lepidoptera: Pterophoridae)

Resumen

Se registran tres especies de Pterophoridae como nuevas para la fauna de Omán. De las 17 especies previamente conocidas de Omán (USTJUZHANIN *et al.*, 2019) añadimos tres más: *Agdistis hakimah* Arenberger, 1985, *Exelastis montischristi* (Walsingham, 1897) y *Exelastis pumilio* (Zeller, 1873). Proporcionamos fotos del adulto y genitalia del macho de la rara y poco estudiado especie *A. hakimah* y damos datos sobre la distribución de todas las especies listadas.

PALABRAS CLAVE: Lepidoptera, Pterophoridae, biodiversidad, nuevos datos, Omán.

Introduction

Examining the specimens collected in spring and autumn of 2019 in southern Oman by O. Pak and E. Ivanova, we found eight Pterophoridae species, three of them proved to be new for the fauna of the country. Consequently, the Pterophoridae fauna of Oman currently includes 20 species. The studied specimens are deposited in the collection of the Zoological Institute St. Petersburg, Russia (ZISP) and in the Collection of P. Ustjuzhanin and V. Kovtunovich (Novosibirsk and Moscow, Russia, CUK).

List of species (the species new to the fauna of Oman are marked with *)

**Agdistis hakimah* Arenberger, 1985 (Figs 1-3)

Agdistis hakimah Arenberger, 1985. *Fauna Saudi Arabia*, 7: 166, figs 5, 12-13

Type locality: Hakimah near Abu Arish, SAUDI ARABIA

Material examined: S. OMAN, Dhofar Govern., 28 km W Salalah, 200 m, 16°59'N 53°49'E, 1 ♂, 28-VIII-2019, E. Ivanova leg.

Distribution: Saudi Arabia, Yemen, Bahrain (GIELIS, 2003). **New species for Oman.**

Agdistis omani Arenberger, 2008

Agdistis omani Arenberger, 2008. *Z. ArbGem. öst. Ent.*, **60**(2): 82, figs 1-3

Type locality: W of Salalah, OMAN

Material examined: S. OMAN, Dhofar Govern., Shalim Wa Juzor Al Hallaniyyat env., near Ashgul vil., env., 18°07'N, 55°42'E, 253 m, 1 ♂, 14-IV-2019, O. Pak leg.

Distribution: Oman.

Deuterocopus socotranus Rebel, 1907

Deuterocopus socotranus Rebel, 1907. *Lep. Sokotr.*: 85, fig. 37

Type locality: W Socotra [YEMEN]

Material examined: S. OMAN, Dhofar Govern., near Rakhyut vil., 16°45'N, 53°24'E, 30 m, 2 ex., 27-VIII-2019, O. Pak leg.; Dhofar Govern., 28 km W Salalah, 16°59'N, 53°49'E, 200 m, 1 ♂, 28-VIII-2019, O. Pak & E. Ivanova leg.

Distribution: Middle East (Yemen, Oman), SE Asia, Africa, Australia.

Megalorhipida leucodactylus (Fabricius, 1794)

Pterophorus leucodactylus Fabricius, 1794. *Ent. syst.*, **3**(2): 346

Type locality: Americae meridionalis [VIRGIN ISLANDS]

= *Pterophorus defectalis* Walker, 1864. *Cat. Lep. Het. B. M.*, **30**: 943

Type locality: SIERRA LEONE

= *Pterophorus congrualis* Walker, 1864. *Cat. Lep. Het. B. M.*, **30**: 943

Type locality: South Hindostan [INDIA]

= *Pterophorus oxydactylus* Walker, 1864. *Cat. Lep. Het. B. M.*, **30**: 943

Type locality: Ceylon [SRI LANKA]

= *Acipitilia hawaiiensis* Butler, 1881. *Ann. Mag. nat. Hist.*, (5)7: 408

Type locality: Uoluolu, Maui, Hawaii Islands [USA]

= *Trichoptilus ochrodactylus* Fish, 1881. *Can. Ent.*, **13**: 142

Type locality: Texas, USA

= *Trichoptilus centetes* Meyrick, 1886. *Trans. Ent. Soc. London*, **1886**: 16

Type locality: Port Moresby, NEW GUINEA

= *Trichoptilus compsochares* Meyrick, 1886. *Trans. Ent. Soc. London*, **1886**: 16

Type locality: St. Vicent, CAPE VERDE ISLANDS

= *Trichoptilus adelphodes* Meyrick, 1887. *Trans. Ent. Soc. London*, **1887**(3): 266

Type locality: AUSTRALIA

= *Trichoptilus ralumensis* Pagenstecher, 1900. *Zoologica*, **29**: 239

Type locality: Kalum, BISMARCK ISLANDS

= *Trichoptilus derelictus* Meyrick, 1926. *Trans. Ent. Soc. London*, **74**: 276

Type locality: Galapagos Islands ECUADOR

= *Megalorhipida palaestinensis* Amsel, 1935. *Mitt. Zool. Mus. Berlin*, **20**: 293, pl. 10, fig. 27

Type locality: Palestina, Jerusalem [ISRAEL]

Material examined: S. OMAN, Dhofar Govern., near Rakhyut vil., 16°45'N, 53°24'E, 30 m, 1 ♂, 27-VIII-2019, O. Pak leg.; Dhofar Govern., 28 km W Salalah, 16°59'N, 53°49'E, 200 m, 1 ♀, 28-VIII-2019, O. Pak & E. Ivanova leg.

Distribution: Widespread throughout tropical and subtropical regions.

Exelastis ebalensis (Rebel, 1907)*Alucita ebalensis* Rebel, 1907. *Lep. Sokotr.*: 84, pl. 1

Type locality: Ma'alle Ebene, Aden [YEMEN]

= *Exelastis caroli* Gielis, 2008. *Zoöl. Meded. Leiden*, **82**(6): 48, figs 6, 16

Type locality: 18 km S Malindi, Watamu, KENYA

Material examined: S. OMAN, Dhofar Govern., 28 km W Salalah, 16°59'N, 53°49'E, 200 m, 1 ♀, 28-VIII-2019, O. Pak & E. Ivanova leg.

Distribution: Yemen, Oman, Kenya, Ghana.

Exelastis montischristi* (Walsingham, 1897)*Pterophorus montischristi* Walsingham, 1897. *Proc. zool. Soc. London*, **1897: 59

Type locality: Santo Domingo, Monte Christi, DOMINICAN REPUBLIC

= *Pterophorus cervinicolor* Barnes & McDunnough, 1913. *Cont. nat. Hist. Lep. N. Amer.*, **2**(4): 185, pl. 4, fig. 10

Type locality: Florida, USA

Material examined: OMAN, Dhofar W of Salalah, 17°01'N, 53°55'E, 120 m, 1 ♂, 2 ♀♀, 06-IX-2013, D. Agassiz leg.; Dhofar Govern., 6 km N Rakhyut vil., near Ashgul vil., env., 16°48'N, 53°26'E, 87 m, 1 ♀, 23-VIII-2019; Dhofar Govern., 6 km N Rakhyut vil., Ashgul vil., env., 16°47'N, 53°25'E, 830 m, 1 ♀, 26-VIII-2019; Dhofar Govern., 28 km W Salalah, 16°59'N, 53°49'E, 200 m, 1 ♀, 28-VIII-2019, O. Pak & E. Ivanova leg.

Distribution: Rep. S. Africa, Eswatini (= Swaziland), Tanzania, Dem. Rep. Congo, Malawi, Kenya, Namibia, Ethiopia, Zambia, Zimbabwe, Nigeria; USA, Virgin Islands, Martinique, Grenada, Jamaica, Puerto Rico, Brazil, Galapagos Islands, Bahamas, Barbados, Cayman Islands, Ecuador: Galapagos Islands, Haiti (DE PRINS & DE PRINS, 2020); Oman. **New species for Oman.****Exelastis pumilo* (Zeller, 1873)*Mimeseoptilus pumilio* Zeller, 1873. *Verh. zool.-bot. Ges. Wien*, **23**: 324

Type locality: Dallas, Texas, USA

= *Marasmarcha liophanes* Meyrick, 1886: 19

Type locality: Saint-Denis, RÉUNION ISLAND [FRANCE]

= *Mimaesoptilus gilvadorsis* Hedemann, 1896 *nec* Zeller, 1877. *Stettin. ent. Ztg.*, **57**: 8

Type locality: St. Croix, VIRGIN ISLANDS [USA]

Material examined: S. OMAN, Dhofar Govern., near Rakhyut vil., 16°45'N, 53°24'E, 30 m, 2 ♀♀, 27-VIII-2019, O. Pak leg.

Distribution: Chad, The Gambia, Tanzania, Mali, Zimbabwe, Eswatini, Rep. S. Africa, Seychelles, Reunion Island, Madagascar, Nigeria, Kenya (DE PRINS & DE PRINS, 2020), Sierra Leone; Nepal, Cambodia, Myanmar, Philippines, New Guinea; USA, Argentina, Brazil, Ecuador, Bolivia, Colombia, Suriname, Costa Rica, Cuba, Puerto Rico, Guadeloupe, Mexico, Jamaica, Virgin Islands, Fatu-Hiva, Guam, Palau (USTJUZHANIN *et al.*, 2019). **New species for Oman.***Cosmoclostis lanceata* (Arenberger, 1986)*Pselnophorus lanceatus* Arenberger, 1985. *Fauna Saudi Arabia*, **7** (1985): 169, figs 9, 16

Type locality: Faifan, near Gizan, SAUDI ARABIA

= *Cosmoclostis gorbunovi* Ustjuzhanin & Kovtunovich, 2011. *Amurian Zool. J.*, **3**(4): 356, pl. 4, figs 4, 6, 8

Type locality: West Shewa, 2 km S of Ambo, ETHIOPIA

Material examined: S. OMAN, Dhofar Govern., near Rakhyut vil., 16°45'N, 53°24'E, 30 m, 3 ex., 27-VIII-2019, O. Pak leg.; Dhofar Govern., 28 km W Salalah, 16°59'N, 53°49'E, 200 m, 6 ex., 28-VIII-2019, O. Pak & E. Ivanova leg.

Distribution: Saudi Arabia, Yemen, Oman, Ethiopia.

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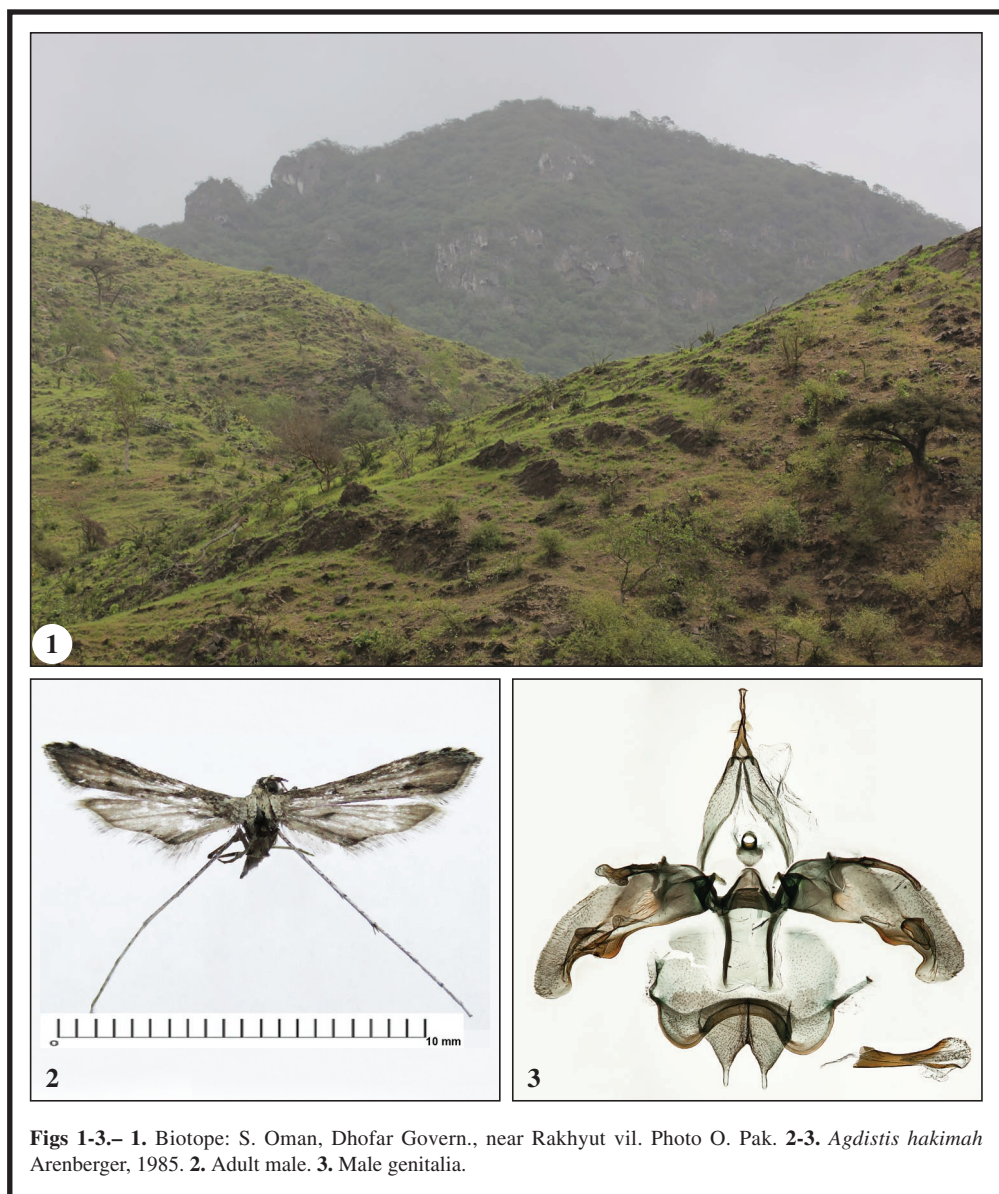
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Figs 1-3.— 1. Biotope: S. Oman, Dhofar Govern., near Rakhyut vil. Photo O. Pak. 2-3. *Agdistis hakimah* Arenberger, 1985. 2. Adult male. 3. Male genitalia.