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Sphecoid wasps of the genus *Cerceris* LATREILLE, 1802 from Oman, with description of three new species (Hymenoptera, Apoidea, Crabronidae)

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A b s t r a c t : A total of 563 specimens of the genus *Cerceris* LATREILLE (74♀♀, 489♂♂) including 25 species from Oman were examined. All information of localities, dates of capture and the names of the collectors are listed. Additionally, the following new species are described: *Cerceris mahdaensis* nov.sp., *Cerceris omaniensis* nov.sp. and *Cerceris pseudovittata* nov.sp.

K e y w o r d s : Apoidea, Crabronidae, Philanthinae, *Cerceris*

Introduction

I was given the opportunity by Jiří Halada, Czech Republic, and Christian Schmid-Egger, Berlin, Germany, to study their specimens of *Cerceris* from Oman. 563 specimens of *Cerceris* including 25 species were examined. Many specimens collected by Marek Halada and Arnošt Kudrna jr. were already named by Jiří Halada (Abbreviation: "JH"). I have reexamined all specimens to correct possible errors.

Abbreviation "Do" means the specimen was determined by the author.

Jiří Halada has stated that if he can no longer work with his collection, it will be given to the collection of "Biologiezentrum Linz".

For determination I used the keys of SCHMIDT (2000) and GUICHARD (1993) and a provisorial key of mine for the Subsaharan *Cerceris* species.

The holotypes of the new species are given to the "Biologiezentrum Linz" (OÖLM) and the remaining species will be returned to the collections of Jiri Halada and Christian Schmid-Egger.

Material examined

Subfamily P h i l a n t h i n a e LATREILLE, 1802

Tribe C e r c e r i n i LEPELETIER DE SAINT FARGEAU, 1845

Genus *Cerceris* LATREILLE, 1802

***Cerceris albicincta* KLUG, 1845 (8♀♀, 31♂♂)**

O m a n : 3♀♀, 6♂♂, Wadi Qasim, 10 km E Al-Musannah, 23.757N 57.721E, 26.III.2022, leg. M. Halada (JH, Do); 2♀♀, 12♂♂, Al Shubaykan, 20 km N Ar Rustaq, 23.547N 57.547E, 25.III.2022,

leg. M. Halada (Do); 1♀, 6♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 14.III.2022, leg. M. Halada (JH); 5♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 26.III.2022, leg. M. Halada (JH); 1♂, Hazam, 23 km NNE Ar Rustaq, 23.558N 57.496E, 15.III.2022, leg. M. Halada (JH); 1♂, Dhofar, 90 km W Salalah, 16.969N 53.355E, 900m, 7.X.2021, leg. M. Halada (Do); 1♀, 15 km NE Ar Rustaq 23.520N 57.555E, 160m, 14.-15.III.2022, leg. A. Kudrna jr. (Do); 1♀, 20 km NNW Ar Rustaq, 180m, 23.5981N 57.3351E, 24.-25.III.2022, leg. A. Kudrna jr. (Do).

***Cerceris alboatra* WALKER, 1871 (6♀♀, 19♂♂)**

O m a n : 1♀, 10 ♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 26.III.2022, leg. M. Halada (JH); 4♂♂, 7 km S Mahda, 24.348N 55.978E, 17.III.2022, leg. M. Halada (JH); 1♂, Dhofar, 75 km W Salalah, 16.842N 53.434E, 950m, 15.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 80 km W Salalah, 16.840N 53.311E, 1000m, 8.X.2021, leg. M. Halada (JH); 1♂, Dhofar Gov., 75 km W Salalah, 16°50'31"N 53°25'58"E, 950m, leg. Kudrna jr. (JH); 1♂, Dhofar, 18 km W Raysut, Ayn Ishat, 16.997N 53.821E 31.VIII.2019, leg. Schmid-Egger (Do); 1♂, Dhofar, 13 km N Mirbat, Jb. Samhan, 17.111N 54.711E, 4.IX.2019, leg. Schmid-Egger (Do); 1♀, 20 km NNW Ar Rustaq, 23.5981N 57.3351E, 180m, 24.-25.III.2022, leg. A. Kudrna jr. (Do); 3♀♀, 25 km SW As Seeb, 130m, 23.5290N 57.9800E, 13.-14.+28.III.2022, leg. A. Kudrna jr. (Do); 1♀, 15 km SSE Bidbid, 400m, 23.2673N 58.1797E, 13.III.2022, leg. A. Kudrna jr. (Do).

***Cerceris amakosa* BRAUNS, 1926 (6♀♀, 51♂♂)**

O m a n : 1♀, 1♂, Dhofar, 10 km NW Tawi Atyar, 17.133N 54.133E, 26.IX.2021, leg. M. Halada (JH); 1♀, 4♂♂, Dhofar Gov., 15 km NW Salalah, 17°07'N 54°00'E, 700m, 28.IX.2021, leg. A. Kudrna jr. (JH); 1♀, 15♂♂, Dhofar, 80 km W Salalah, 16.857N 53.420E, 1000m, 13.X.2021, leg. M. Halada (JH); 1♀, Dhofar Gov., 80 km SWW Salalah, 16.8566N 53.4173E, 1020m, 13.X.2021, leg. A. Kudrna jr. (Do); 8♂♂, Dhofar, 75 km W Salalah, 16.842N 53.434E, 950m, 15.X.2021, leg. M. Halada (JH); 3♂♂, Dhofar, 80 km W Salalah, 16.865N 53.530E, 800m, 5.X.2021, leg. M. Halada (JH); 1♂, Dhofar Gov., 80 km SWW Salalah, 16.8566N 53.4173E, 1020m 13.X.2021, leg. A. Kudrna jr. (JH); 2♂♂, Dhofar Gov., 75 km W Salalah, 16°50'31"N 53°25'58"E, 950m, 15.X.2021, leg. A. Kudrna jr. (JH); 1♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 26.III.2022, leg. M. Halada (JH); 3♂♂, Al Shubaykan, 20 km N Ar Rustaq, 23.547N 55.470E, 25.III.2022, leg. M. Halada (JH); 2♂♂, Dhofar, 20 km NW Salalah, 17.125N 54.005E, 29.IX.2021, leg. M. Halada (JH); 1♂, Dhofar, 55 km W Salalah, 16.818N 53.620E, 4.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 5 km N Aydam, R 45, 17.035N 53.346E, 820m, 6.X.2021, leg. M. Halada (JH); 3♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 26.III.2022, leg. M. Halada (JH); 1♀, 1♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 14.III.2022, leg. M. Halada (JH, Do); 1♀, Ad Dakhiliyah province, Al Hamra env., 670m, 23°05'N 57°19'E, 5.VI.2013, leg. J. Halada (Do); 4♂♂, Dhofar, 13 km N Mirbat, Jb. Samhan, 17.111N 54.711E, 4.IX.2019, leg. Schmid-Egger (Do).

***Cerceris chromatica* SCHLETTERER, 1887 (1♀, 2♂♂)**

O m a n : 1♀, Al Shubaykan, 20 km N Ar Rustaq, 23.547N 57.470E, 25.III.2022, leg. M. Halada (Do); 2♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 14.III.2022, leg. M. Halada (Do).

***Cerceris constricta* GUICHARD, 1993 (13♂♂)**

O m a n : 2♂♂, Dhofar, 80 km W Salalah, 16.840 53.311, 1000m, 12.X.2021, leg. M. Halada (JH); 2♂♂, Dhofar, 75 km W Salalah, 16.842 53.434, 950m, 5.X.2021, leg. M. Halada (JH); 4♂♂, Dhofar, 80 km W Salalah, 16.865 53.530, 800m, 5.X.2021, leg. M. Halada (JH, Do); 2♂♂, Dhofar, 80 km W Salalah, 16.857 53.420, 1000m, 13.X.2021, leg. M. Halada (JH, Do); 1♂, Dhofar, 55 km W Salalah, 16.818 53.620, 4.X.2021, leg. M. Halada (Do); 1♂, Dhofar, 80 km W Salalah, 16.840 53.311, 12.X.2021, leg. M. Halada (Do); 1♂, Dhofar, 74 km W Salalah, 16.842N 53.434E, 950m, 15.X.2021, leg. M. Halada (Do).

***Cerceris difficilis* GUICHARD, 1993 (3♂♂)**

O m a n : 2♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 14.III.2022, leg. M. Halada (JH); 1♂, Al Shubaykan, 20 km N Ar Rustaq, 23.547N 57.470E, 25.III.2022, leg. M. Halada (JH).

***Cerceris fischeri* SPINOLA, 1839 (1♀, 29♂♂)**

O m a n : 1♀, Dhofar, 20 km NW Salalah, 17.125N 54.005E, 29.IX.2021, leg. M. Halada (JH); 3♂♂, Dhofar, 80 km W Salalah, 1000m, 16.857N 53.420E, 13.X.2021, leg. M. Halada (JH); 2♂♂, Dhofar, 80 km W Salalah, 800m, 16.865N 53.530E, 5.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 80 km W Salalah, 1000m, 16.840N 53.311E, leg. M. Halada (JH); 5♂♂, Dhofar, 55 km W Salalah, 16.818N 53.620E, 1000m, 4.X.2021, leg. M. Halada (JH, Do); 2♂♂, Dhofar, 74 km W Salalah, 950m, 16.842N 53.434E, 15.X.2021, leg. M. Halada (JH); 1♂, Al Shubaykan, 20 km N Ar Rustaq, 23.547N 57.470E, 25.III.2022, leg. M. Halada (JH); 1♂, Wadi Qasim, 10 km E Al-Musannah, 23.755N 57.721E, 26.III.2022, leg. M. Halada (JH); 1♂, 17 km SSE Bidbid, 23.268N 58.180E, 13.III.2022, leg. M. Halada (JH); 3♂♂, Dhofar, 75 km W Salalah, 950m, 16°50'31"N 53°25'58"E, 15.X.2021, leg. A. Kudrna jr. (JH); 1♂, Dhofar, 55 km SWW Salalah, 16°49'N 53°37'E, 970m, 3.-4.X.2021, leg. A. Kudrna jr. (JH); 1♂, Dhofar, 90 km W Salalah, 16°56'56"N 53°16'15"E. 880M, 7.X.2021, leg. A. Kudrna jr. (JH); 1♂, Dhofar, 20 km NE Salalah, 17°05'N 54°16'E, 100m, 23.-24.IX.2021, leg. A. Kudrna jr. (JH); 1♂, Dhofar, 85 km SWW Salalah, 1000m, 16°50'23"N 53°18'39"E, 9.-14.X.2021, leg. A. Kudrna jr. (Do); 1♂, Dhofar, 15 km NW Salalah, 700m, 17°07'N 54°00'E, 28.IX.2021, leg. A. Kudrna jr. (Do); 2♂♂, Dhofar, 13 km N Mirbat, Jb. Samhan, 17.111N 54.711E, 4.IX.2019, leg. Schmid-Egger (Do); 1♂, Dhofar, 35 km N Thumrait, Najd, 17.982N 54.012E, 3.IX.2019, leg. Schmid-Egger (Do); 1♂, Dhofar, 2 km E Raysut, 16.969N 54.007E, 1.IX.2019, leg. Schmid-Egger (Do); 1♂, 15 km SSE Bidbid, 400m, 23.2673N 58.1797E, 13.III.2022, leg. A. Kudrna jr.(Do).

***Cerceris hathor* PULAWSKI, 1983 (1♀, 1♂)**

O m a n : 1♀, J. Nuwarrah, 24.II.2000, leg. Gillet (JH); 1♂, Dhofar, 80 km W Salalah, 16.840N 53.311E, 1000m, 8.X.2021, leg. M. Halada (JH).

***Cerceris invalida* KOHL, 1906 (1♂)**

O m a n : 1♂, Dhofar, 75 km W Salalah, 950m, 16.842N 53.434E, 15.X.2021, leg. M. Halada (Do).

***Cerceris laterifurcata* EMPEY, 1973 (3♀♀, 3♂♂)**

O m a n : 2♀♀, 1♂, Dhofar, 5 km N Aydam, R 45, 17.035N 53.346E, 820m, 6.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 85 km SWW Salalah, 16°50'23"N 53°18'39"E, 1000m, 9.-14.X.2021, leg. A. Kudrna jr. (JH).

Y e m e n : 1♀, 20 km NW Dhawran, 14°40'N 44°13'E, 1800m, 29.X.2005, leg. J. Halada (JH); 1♂, Lawdar, NE Aden, 1140m, 13°53'N 45°48'E, 20.X.2005, leg. J. Halada (JH).

***Cerceris nugax* ARNOLD, 1931 (1♂)**

O m a n : 1♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 14.III.2022, leg. M. Halada (Do).

***Cerceris priesneri* MOCHI, 1939 (9♀♀, 88♂♂)**

O m a n : 5♀♀, 18♂♂, Al Shubaykan, 20 km N Ar Rustaq, 23.547N 57.470E, 25.III.2022, leg. M. Halada (JH); 2♀♀, 6♂♂, Dhofar, 4 km NE Magsail, 16.910N 53.803E, 30.IX.2021, leg. M. Halada (JH); 2♀♀, 5♂♂, 17 km SSE Bidbid, 23.268N 58.180E, 13.III.2022, leg. M. Halada (JH); 5♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 26.III.2022, leg. M. Halada (JH); 9♂♂, Al Ajal, 30 km SW Seeb, 23.531N, 57.975E, 14.III.2022, leg. M. Halada (JH); 4♂♂, 30 km S Seeb, 5 km S Bidbid 23.360N 58.142E, 23.III.2022, leg. M. Halada (JH); 3♂♂, Hazam, 23 km NNE Ar Rustaq, 23.558N

57.496E, 15.III.2022, leg. M. Halada (JH); 4♂♂, Falaj as Saidi, 25. km NNW Ar Rustaq, 23.596N 57.337E, 24.III.2022, leg. M. Halada (JH); 3♂♂, Kahal, 8 km NW Mahda, 24.449N 55.906E, 18.III.2022, leg. M. Halada (JH); 11♂♂, 7 km S Mahda, 24.348N 55.978E, 17.III.2022, leg. M. Halada (JH); 2♂♂, 20 km SE Sur, 22.454N 59.625E, 21.III.2022, leg. M. Halada (JH); 4♂♂, Dhofar, ca. 5 km NE Maghsail, 16°55'N 53°48'E, 30m, 29.-30.IX.2021, leg. A. Kudrna jr. (Do); 1♂, Dhofar, 75 km W Salalah, 950m, 16°50'31"N 53°25'58"E, leg. A. Kudrna jr. (Do); 1♂, Dhofar, 3 km NW Mafhsail, 20m, 16°54'N 53°46'E, 1.-3.X.2021, leg. A. Kudrna jr. (Do); 4♂♂, Dhofar, 80 km W Salalah, 16.857N 53.420E, 1000m, 13.X.2021 leg. M. Halada (JH); 1♂, Dhofar, 80 km W Salalah, 16.840N 53.311E, 1000m, 8.X.2021, leg. M. Halada (Do); 1♂, Dhofar, 80 km W Salalah, 16.865N 53.530E, 5.X.2021, leg. M. Halada (Do); 4♂♂, 25 km SW As Seeb, 23.5290N 57.9800E, 130m, 13.-14.+28.III.2022, leg. A. Kudrna jr. (Do); 3♂♂, 20 km NNW Ar Rustaq, 23.5981N 57.3351E, 180m, 24.-25.III.2022, leg. A. Kudrna jr. (Do); 1♂, 15 km NE Ar Rustaq, 23.5202N 57.5551E, 160m, 14.-15.III.2022, leg. A. Kudrna jr. (Do).

***Cerceris sabulosa* (PANZER, 1799) (1♀, 18♂♂)**

O m a n : Specimens with partly ferruginous color: 2♂♂, Dhofar, 80 km W Salalah, 1000m, 16.857N 53.420E, 13.X.2021 leg. M. Halada (JH); 3♂♂, Dhofar, 80 km W Salalah, 1000m, 16.840N 53.311E, 12.X.2021, leg. M. Halada (JH, Do); 1♂, Dhofar, 75 km W Salalah, 950m, 16.842N 53.434E, 15.X.2021, leg. M. Halada (JH); 1♀, Dhofar, 80 km W Salalah, 1000m, 16.840N 53.311E, 12.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 85 km SWW Salalah, 1000m, 16°50'23N 53°18'39"E, 9.-14.X. 2021, leg. A. Kudrna jr. (Do); 1♂, Dhofar, 80 km SWW Salalah, 1020m, 16.8566N 53.4173E, 13.X.2021, leg. A. Kudrna jr. (Do).

Specimens without ferruginous color: 1♂, Dhofar, 80 km SWW Salalah, 1020m, 16.8566N 53.4173E, 13.X.2021. leg. A. Kudrna jr. (Do); 9♂♂, Dhofar, 13 km N Mirbat, Jb. Samhan, 17.111N 54.711E, 4.IX.2019, leg. Schmid-Egger (Do).

***Cerceris sokotrae* KOHL, 1909 (5♀♀, 15♂♂)**

O m a n : 2♀♀, Dhofar, 75 km W Salalah, 950m, 16.842N 53.434E, 15.X.2021, leg. M. Halada (JH); 1♀, 1♂, Dhofar, 4 km NE Magsail, 16.910N 53.803E, 30.X.2021, leg. M. Halada (JH); 1♀, 1♂, Dhofar, 80 km W Salalah, 1000m, 16.857N 53.420E, 13.X.2021, leg. M. Halada (JH); 3♂♂, Dhofar, 80 km W Salalah, 1000m, 16.840N 53.311E, 12.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 80 km W Salalah, 800m, 16.865N 53.530E, 5.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 4 km NW Magsail, wadi, 16.899N 53.766E, 2.X.2021, leg. M. Halada (JH); 1♂, Dhofar, ca. 8 km NE Maghsail, 30m, 16°55'N 53°48'E, 29.-30.IX.2021, leg. A. Kudrna jr. (Do); 1♂, Dhofar, 55 km SWW Salalah, 16°49'N 53°37'E, 970m, 3.-4.X.2021, leg. A. Kudrna jr. (Do); 1♀, 6♂♂, Dhofar, 13 km N Mirbat, Jb. Samhan, 17.111N 54.711E, 4.IX.2019, leg. Schmid-Egger (Do).

***Cerceris solitaria* DAHLBOM, 1845 (1♀, 19♂♂)**

O m a n : 1♀, 6♂♂, 30 km S Seeb, 5 km S Bidbid, 23.360N 58.142E, 23.III.2022, leg. M. Halada (JH); 4♂♂, Dhofar, 4 km NW Magsail, wadi, 16.899N 53.766E, 2.X.2021, leg. M. Halada (JH); 3♂♂, Dhofar, 75 km W Salalah, 16.842N, 53.434E, 950m, 15.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 80 km W Salalah, 16.865N 53.530E, 800m, 14.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 80 km W Salalah, 16.857N 53.420E, 1000, 13.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 80 km W Salalah, 16.865N 53.530E, 800m, 5.X.2021, leg. M. Halada (JH); 1♂, 7 km S Mahda, 24.348N 55.978E, 17.III.2022, leg. M. Halada (JH); 1♂, 17 km SSE Bidbid, 23.268N 58.180E, 13.III.2022, leg. M. Halada (JH); 1♂, Dhofar, 3 km NW Maghsail, 16°54'N 53°46'E, 20m, 1.-3.X.2021, leg. A. Kudrna jr. (JH).

***Cerceris songhai* GUICHARD, 1993 (3♀♀, 9♂♂)**

O m a n : 1♀, Dhofar, 20 km NE Rakhyut, 800m, 16°51'55"N 53°31'50"E, 5.+12.X.2021, leg. A. Kudrna jr. (Do); 1♀, 4♂♂, Dhofar, 80 km W Salalah, 16.840N 53.311E, 1000m, 8.X.2021, leg. J. Halada (Do); 1♂, Dhofar, 3 km NW Maghsail, 16°54'N 53°46'E, 20 m, 1.-3.X.2021, leg. A. Kudrna jr. (Do); 1♂, Dhofar, 4 km NW Magsail, wadi, 16.899N 53.766E, 2.X.2021, leg. M. Halada (Do);

1♂, Dhofar, 75 km W Salalah, 16.842N 53.434E, 950m, 15.X.2021, leg. M. Halada (Do); 2♂♂, Dhofar, 90 km W Salalah, 16.969N 53.355E, 900m, 7.X.2021, leg. M. Halada (Do); 1♀, 20 km SE Sur, 22.454N 59.625E, 21.III.2022, leg. M. Halada (Do).

***Cerceris straminea* DUFOUR, 1854 (8♀♀, 48♂♂)**

O m a n : 5♀♀, 19♂♂, Al Shubaykan, 20 km N Ar. Rustaq, 32.597N 57.470E, 25.III.2022, leg. M. Halada (JH); 2♀♀, 11♂♂, Al Ajal, 30 km SW Seeb, 32.531N 57.157E, 26.III.2022, leg. M. Halada (JH); 8♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 14.III.2022, leg. M. Halada (JH); 1♀, Kahal, 8 km NW Mahda, 24.449N 55.906E, 18.III.2022, leg. M. Halada (JH); 3♂♂, Hazam, 23 km NNE Ar Rustaq, 23.558N 57.496E, 15.III.2022, leg. M. Halada (JH); 2♂♂, 7 km S Mahda, 24.348N 55.978E, 17.III.2022, leg. M. Halada (JH); 1♂, 20 km SE Sur, 22.454N 59.625E, 21.III.2022, leg. M. Halada (JH); 1♂, 4 km S Jamma, 2 km N Mansur, 23.521N 57.553E, 16.III.2022, leg. M. Halada (JH); 3♂♂, 15 km NE Ar Rustaq, 160m, 23.5202N 57.5551E, 14.-15.III.2020, leg. A. Kudrna jr. (Do).

***Cerceris tricolorata* SPINOLA, 1839 (11♀♀, 83♂♂)**

O m a n : 4♀♀, 14♂♂, Dhofar, 80 km W Salalah, 1000m, 16.857N 53.420E, 13.X.2021, leg. M. Halada (JH); 3♀♀, 7♂♂, Dhofar, 75 km W Salalah, 950m, 16.842N 53.434E, 15.X.2021, leg. M. Halada (JH); 2♀♀, 7♂♂, Dhofar, 85 km SWW Salalah, 16°50'23"N 53°18'39"E, 1000m, 9.-14.X.2021, leg. A. Kudrna jr. (JH); 2♀♀, 1♂, Dhofar, 75 km W Salalah, 16°50'31"E, 950m, 15.X.2021, leg. A. Kudrna jr. (JH); 6♂♂, Dhofar, 80 km W Salalah, 800m, 16.865N 53.530E, 14.X.2021, leg. M. Halada (JH); 4♂♂, Dhofar, 80 km W Salalah, 1000m, 16.840N 53.311E, 12.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 80 km W Salalah, 800m, 16.865N 53.530E, 5.X.2021, leg. M. Halada (JH); 10♂♂, Dhofar, 80 km W Salalah, 1000m, 16.840N 53.311E, 8.X.2021, leg. M. Halada (JH); 3♂♂, Dhofar, 55 km W Salalah, 16.818N 53.620, 1000m, 4.X.2021, leg. M. Halada (JH); 2♂♂, Dhofar, 90 km W Salalah, 900m, 16.969N 53.355E, 7.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 4 km NW Magsail, wadi, 16.899N 53.766E, 2.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 5 km N Aydam, R 45, 17.035N 53.346E, 820m, 6.X.2021, leg. M. Halada (JH); 8♂♂, Al Ajal, 30 km SW Seeb, 32.531N 57.975E, 14.III.2022, leg. M. Halada (JH); 1♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 26.III.2022, leg. M. Halada (JH); 2♂♂, Al Shubaykan, 20 km N Ar Rustaq, 23.547N 57.470E, 25.III.2022, leg. M. Halada (JH); 8♂♂, Dhofar, 20 km NE Rakhynt, 800m, 16°51'55"N 53°31'50"E, 5.-12.X.2021, leg. A. Kudrna jr. (JH); 1♂, Dhofar, 90 km W Salalah, 880m, 16°56'56"N 53°16'15"E, 7.X.2021, leg. A. Kudrna jr. (JH); 2♂♂, 55 km SWW Salalah, 970m, 16°49'N 53°37'E, 3.-4.X.2021, leg. A. Kudrna jr. (JH); 2♂♂, Dhofar, 3 km NW Maghsail, 20m, 16°54'N 53°46'E, 1.-3.X.2021, leg. A. Kudrna jr. (JH); 4♂♂, Dhofar, 13 km N Mirbat, Jb. Samhan, 17.111N 54.711E, 4.IX.2019, leg. Schmid-Egger (Do); 1♂, 15 km NE Ar Rustaq 160m, 23.5202N 57.5551E, 14.-15.III.2020, leg. A. Kudrna jr. (Do).

***Cerceris vagula* KOHL, 1906 (7♀♀, 46♂♂)**

O m a n : 1♂, Dhofar, 75 km W Salalah, 16.842N 53.434E, 950m, 15.X.2021, leg. M. Halada (JH); 1♂, Dhofar, 10 km NW Tawi Atjar, 17.133N 54.584E, 26.IX.2021, leg. M. Halada (JH); 1♂, Dhofar, 20 km NE Salalah, 17°05'N 54°16'E, 100m, 23.-24.2021, leg. A. Kudrna jr. (JH); 1♂, Dhofar, 85 km SWW Salalah, 16°50'23"N 53°18'39"E, 1000m, 9.-14.X.2021, leg. A. Kudrna jr. (JH); 1♂, Dhofar, 80 km SWW Salalah, 16.8566N 53.4173E, 1020m, 13.X.2021, leg. A. Kudrna jr. (JH); 4♀♀, 3♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 26.III.2022, leg. M. Halada (JH, Do); 6♂♂, Al Ajal, 30 km SW Seeb, 23.531N 57.975E, 14.III.2022, leg. M. Halada (Do); 1♂, Al Shubaykan, 20 km N Ar Rustaq, 23.547N 57.470E, 25.III.2022, leg. M. Halada (Do); 1♂, 17 km SSE Bidbid, 23.268N 58.180E, 13.III.2022, leg. M. Halada (Do); 2♂♂, Hamman, 13 km SW Muscat, 23.470N 58.319E, 11.III.2022, leg. M. Halada (Do); 1♂, Subayb, 22 km NW Al Hamra, 23.237N 57.150E, 13.III.2022, leg. M. Halada (Do); 1♂, Falaj as Saidi, 25 km NNW Ar Rustaq, 23.596N 57.337E, 24.III.2022, leg. M. Halada (Do); 1♂, NW Bahla, E Ibri, 8.III.2015, leg. Snizek (Do); 1♂, 17 km W Súr, 15.III.2015, leg. Snizek (JH); 5♂♂, Dhofar, 13 km N Mirbat, Jb. Smahan, 17.111N 54.711E, 4.IX.2019, leg. Schmid-Egger (Do); 10♂♂, Dhofar, 18 km W Raysut, Ayn Ishat, 16.997N 53.821E, 31.VIII.2019, leg. Schmid-Egger (Do); 3♂♂, Dhofar, Wadi Darbat, near

Highway, 17.065N 54.431E, 19.VIII.2019, leg. Schmid-Egger (Do); 1♂, Dhofar, Ayn Humran, 17.097N 54.281E, 30.VIII.2019, leg. Schmid-Egger (Do); 3♀♀, 1♂, 15 km SSE Bidbid, 400m, 32.2673N 58.1797E, 13.III.2022, leg. A. Kudrna jr. (Do); 1♂, 25 km SW As Seeb, 23.5290N 57.7800E, 130m, 13.-14.+28.III.2022, leg. A. Kudrna jr. (Do).

***Cerceris vittata eurypyga* KOHL, 1898 (1♀, 2♂♂)**

O m a n : 1♀, 2♂♂, Kahal, 8 km NW Mahda, 24.449N 55.906E, 18.III.2022, leg. M. Halada (Do).

***Cerceris zebra* GUICHARD, 1993 (2♂♂)**

O m a n : 2♂♂, 20 km SE Súr, 22.454N 59.625E, 21.III.2022, leg. M. Halada (Do).

Description of new species of Oman

***Cerceris mahdaensis* DOLLFUSS nov.sp. (Fig. 1)**

H o l o t y p e : ♂, Oman, Kahal, 8 km NW Mahda, 24.449N 55.906E, 18.III.2022, leg. M. Halada (OÖLM).

E t y m o l o g y : *Cerceris mahdaensis* was collected near the town Mahda.

R e c o g n i t i o n : The male of *Cerceris mahdaensis* is characterized by having the coxa III without longitudinal carina and the tergum II apico-median with a small fossa, the mandible has a distinct tooth internally, the apical margin of the clypeus is yellow and edentate (Fig. 1a), the prosternum is punctate without transverse carina, the propodeal enclosure is smooth, shining and the latero- and medio-longitudinal furrows are not crenulate. Additionally, the petiolus is broader than long (Fig. 1e), the sterna III-VI are covered with erect setae which do not obscure the underlying sculpture, the sterna III-VI are laterally distinctly rised, the flagellomere XI is bent (Fig. 1c) and this male is predominantly yellow.

The male of *tyrannica* is similar to *mahdaensis* but differs in having the propodeal enclosure punctured (in *mahdaensis* the propodeal enclosure is smooth, shining with latera- and medio-longitudinal furrow not crenulate). The male of *straminea* is similar to *mahdaensis* but differs in having the mandible without a tooth internally and the propodeal enclosure has fine circular-transverse striae. The male of *priesneri* is similar colored as *mahdaensis* but differs in having the mandible without a tooth internally, the flagellomere XI is not bent, the sternum II with a medio-basal plate and the sterna are without erect setae, additionally, it is smaller. The also similar colored male of *chromatica* differs from *mahdaensis* in having the mandibles without a distinct tooth internally and the terga II-IV are rised apicolaterally.

D e s c r i p t i o n : ♂, 14 mm. Sculpture: anterior margin of clypeus edentate (Fig. 1a); mandible with distinct tooth internally; flagellomere XI slightly bent, apical straight cut (Fig. 1c); prosternum without transverse carina; mesopleuron with very small tubercle; epimeron without crest; propodeal enclosure smooth, shining, lateral- and medio-longitudinal furrows not crenulate; petiolus broader than long (Fig. 1e); terga I-IV with apico-medial fossae; sternum II without basal plate; tumid parts of sterna III-VI lateral distinctly rised; sterna III-VI with erect setae, that not obscure underlying sculpture; pygidial plate (Fig. 1d); genitalia (Figs. 1 f,g). Puncturation: clypeus and frons irregularly punctate; vertex densely punctate; pronotal collar punctate; scutum shining, irregularly punctate, (punctures 0-1 diameter apart); scutellum sparsely punctate; metanotum

impunctate; terga densely punctate; sterna lateral punctate. Coloration: yellow; following parts black: vertex, pronotum anteriorly and scutum.

♀ unknown.

Distribution: Oman.

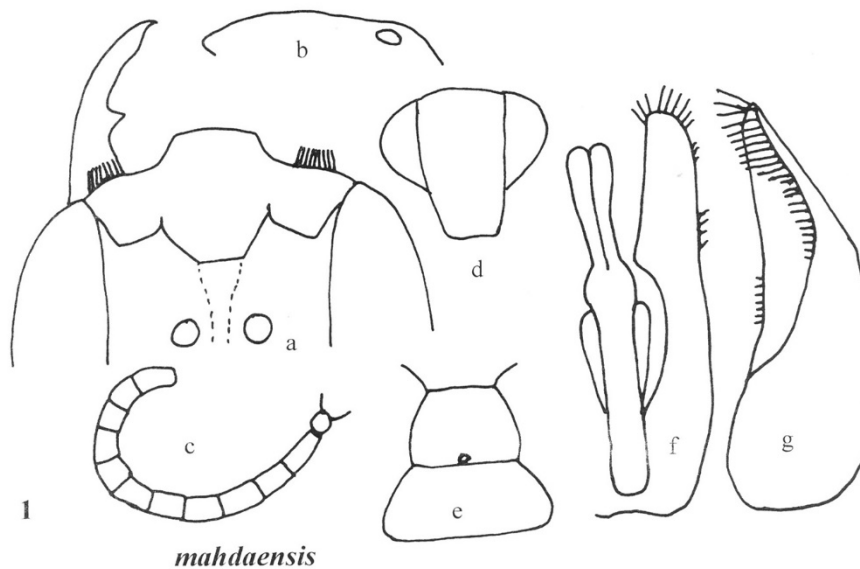


Fig. 1. *Cercheris mahdaensis* DOLLFUSS nov.sp. male: (a) clypeus; (b) clypeus lateral view; (c) flagellum; (d) pygidial plate; (e) petiolus; (f) genitalia dorsal view; (g) gonostylus lateral view.

***Cercheris omaniensis* DOLLFUSS nov.sp. (Fig. 2)**

H o l o t y p e: ♀, Oman, Dhofar, 80 km W Salalah, 16.840N 53.311E, 1000m, 12.X.2021, leg. M. Halada (OÖLM). P a r a t y p e: 1♀, Oman, south Dhofar, 55 km SWW Salalah, 970m, 16°49'N 53°37'E, 3.-4.X.2021, leg. A. Kudrna jr..

E t y m o l o g y: The holotype was collected in Oman.

R e c o g n i t i o n: The female of *Cercheris omaniensis* is characterized by having the coxa III with a longitudinal carina, the lamella of median area of clypeus is short and as broad as the distance between the tentorial pits (Fig. 2a), the mandible has two blunt teeth internally, the propodeal enclosure is smooth and shining with few micropunctures and the lateral- and medio-longitudinal furrows are slightly crenulate. Additionally, the legs are ferruginous and yellow. The female of *fingo* differs from *omaniensis* in having the lamella of median area of clypeus deeply and arcuately emarginate, its anterior angles are rounded and extending as far as the transverse apical margin; additionally, the mandibles have a very small tooth in the middle of the inner margin, the prosternum has a transverse carina and the thorax is black except for the anterior half of tegulae and the metanotum, which are yellow.

D e s c r i p t i o n: ♀, 10 mm. S c u l p t u r e: anterior margin of clypeus slightly emarginate; lamella of median area of clypeus short and as broad as distance between tentorial

pits, anterior margin of lamella slightly risen and slightly emarginate (Figs. 2a,b); mandibles with two blunt teeth internally; prosternum without distinct transverse carina; mesopleuron without tubercle; epimeron without crest; propodeal enclosure smooth, shining, sparsely micropunctate, lateral- and medio-longitudinal furrows shallowly crenulate; petiolus as long as wide or slightly longer (Fig. 2e); sternum II without medio-basal plate; pygidial plate (Fig. 2d); flagellum (Fig. 2c). **Punctuation:** clypeus and frons micropunctate and densely punctate; vertex densely rugose-punctate; pronotal collar and prosternum punctate; scutum shining and nearly densely punctate; scutellum sparsely punctate; metanotum impunctate; propodeal sides irregularly punctate; terga densely punctate; sterna lateral punctate. **Pilosity:** body sparsely covered with erect setae. **Coloration:** black; following parts whitish-yellow: clypeus (except anterior margin) and frons, mandible basally, interantennal carina, scapus anteriorly, pronotal collar lateral, tegulae, metanotum, tergum II basal, terga III and V partly, tibiae I and II, tibia III partly, sternum III lateral. Femora and pygidial plate brownish-ferruginous. Flagellum dorsal fuscous and ventral brownish.

♂ unknown.

Distribution: Oman.

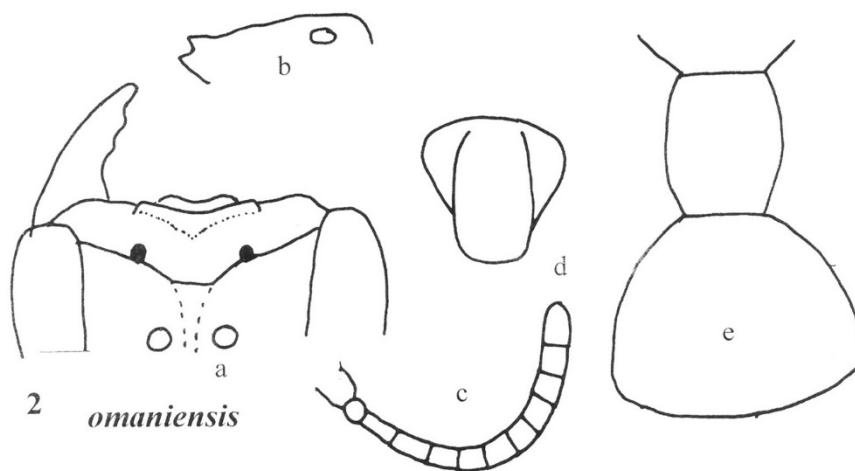


Fig. 2. *Cercheris omaniensis* DOLLFUSS nov.sp. female: (a) clypeus; (b) clypeus lateral view; (c) flagellum; (d) pygidial plate; (e) petiolus.

***Cercheris pseudovittata* DOLLFUSS nov.sp. (Fig. 3)**

Holotype: ♂, Oman, 7 km S Mahda, 24.348N 55.978E, 17.III.2022, leg. M. Halada (OÖLM).

Paratypes: 1♂, same data as holotype; 2♂♂, Oman, 80 km W Salalah, 16.840N 53.311E, 1000m, 12.X.2021, leg. M. Halada.

Etymology: This male is similar to *Cercheris vittata eurytropyga* KOHL.

Recognition: *Cercheris pseudovittata* has no longitudinal carina on coxa III and small apomedian fossae on terga II-VI, the flagellomeres IV-XI are distinctly broadened in dorsal view (Fig. 3c), the prosternum has no transverse carina and the pronotal collar is lateral rectangularly elevated. Additionally, the propodeal enclosure is smooth as a mirror

nearly without lateral- and medio-longitudinal furrows and the propodeal sides are smooth with irregular sparse punctation (punctures 0-3 diameters apart), further the scutum is smooth and finely sparsely punctate (punctures 2-5 diameters apart).

The male of *vittata erythropya* shares with *pseudovittata* the lateral elevated pronotal collar, but differs in having no distinct broadened flagellomeres and the propodeal sides are densely punctate.

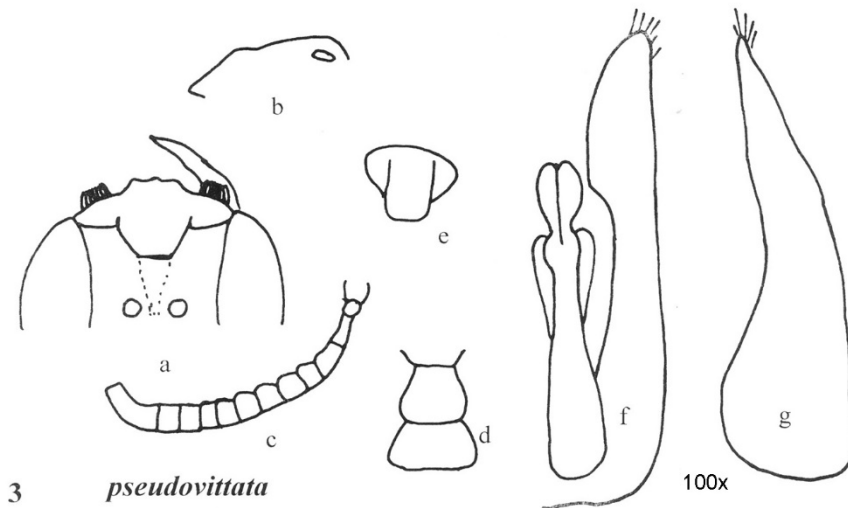


Fig. 3. *Cercheris pseudovittata* DOLLFUSS nov.sp. male: (a) clypeus; (b) clypeus lateral view; (c) flagellum; (d) petiolus; (e) pygidial plate; (f) genitalia dorsal view; (g) gonostylus lateral view.

Description: ♂, 8mm. **Sculpture:** longitudinal carina on coxa III lacking; terga II-VI with small appomedian fossae; anterior margin of clypeus yellowish-brown and shallowly tridentate (Fig. 3a); flagellomeres distinctly broadened in dorsal view (Fig. 3c); flagellomere XI as long as IX and X together and bent; clypeus anterior half straight in lateral view (Fig. 3b); pronotal collar laterally rectangularly elevated; prosternum shining and without transverse carina; lateral carina of pronotum ending in point; mandible without distinct tooth internally; mesopleuron without tubercle; epimeron without crest; scutum smooth shining and sparsely irregularly finely punctate (punctures 2-5 diameters apart); scutellum similar; propodeal enclosure smooth as a mirror and nearly without lateral- and medio-longitudinal furrows; petiolus broader than long or as long as wide; sternum II without medio-basal plate; pygidial plate (Fig. 3e); genitalia (Figs. 3f,g). **Punctuation:** clypeus and frons sparsely punctate; vertex irregularly and more densely punctate; pronotal collar sparsely punctate; tegulae impunctate; terga irregularly sparsely punctate (punctures 0-3 diameters apart); mesopleuron coarsely reticulate-punctate; propodeal sides densely punctate; metanotum impunctate; sterna laterally punctate; pygidial plate irregularly punctate. **Pilosity:** body with short setae, more erect setae on sterna. **Coloration:** black; following parts yellow: clypeus, frons, spot on vertex laterally, pronotal collar lateral, tegulae, scutellum, metanotum, propodeum lateral, mesopleuron and epimeron

partly, legs I and II, leg III partly, terga and sterna partly (variably). Flagellum above ferruginous, beneath yellowish-brown. Wings hyaline and apically fuscous.

♀ unknown.

D i s t r i b u t i o n : Oman.

Aknowledgements

I am obliged to Jiří Halada (Suchdol nad Lužnici, Czech Republic) and Christian Schmied-Egger (Berlin, Germany), which made it possible to study their *Cerceris* from Oman.

Zusammenfassung

563 Exemplare der Gattung *Cerceris* LATREILLE (74♀♀, 489♂♂), umfassend 25 Arten, wurden untersucht. Alle Informationen über Fundorte, Fangdaten sowie Namen der Sammler sind aufgelistet. Folgende neue Arten werden beschrieben: *Cerceris mahdaensis* nov.sp., *Cerceris omaniensis* nov.sp. und *Cerceris pseudovittata* nov.sp.

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