

## Lycaenid foodplants in Kazakhstan and Middle Asia

(Lepidoptera, Lycaenidae)

by

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**Summary:** In this paper foodplants of 91 species of Lycaenidae from Kazakhstan and Middle Asia are listed.

**Zusammenfassung:** In dieser Arbeit werden die Nahrungspflanzen für 91 Lycaeniden-Arten aus Kasachstan und Mittelasien aufgelistet.

**Резюме:** В статье приводятся кормовые растения 91 вида голубянок (Lycaenidae), обитающих в Казахстане и Средней Азии.

The biology of most species of Lycaenidae is little known or even unknown and data on larval foodplants are completely lacking in some species. The study of the biology and particularly of the larval foodplants is of great importance to reveal the phylogenetic relationships of the species in a family.

The list given below deals with the larval foodplants of the usually little known Lycaenidae of Kazakhstan and Middle Asia. Data are also presented for the foodplants of species from nearby related species of Lycaenidae from other areas. The majority of the representatives of this family occurring in Kazakhstan and Middle Asia are found in mountainous regions, and transliteration of the Russian names for the mountain ranges is used to record their distribution.

Generic taxa which are marked by an asterisk (\*) are described by ZHDANKO, 1994. The species *Astragalus* and *Oxytropis* were determined by Dr. R. V. KAMELIN. The plant classification is given according to CHEREPANOV (1981).

### Abbreviations

vic. – vicinity  
vill. – village  
riv. – river  
res. – reserve  
distr. – distribution

### Material and methods

The material for this article was collected in 1978–1994. Foodplant data are provided mainly on the base of observations of ovipositing females in the field. Usually these females were collected for proper determination. Eggs were put in 70% alcohol. A part of the eggs was conserved on the dry foodplant.

Species noted by double asterisk (\*\*) were bred from the caterpillar or the pupa under laboratory conditions.

*Thecla betula* (LINNAEUS, 1758)

Betulaceae

*Crataegus sanguinea* PALL. – South Altai: Sarymsakty mts. 8.VIII.1979.

*Superflua sassanides* (KOLLAR, [1849])

Rosaceae

*Amygdalus spinosissima* BNGE. – West Tian-Shan: riv. Aksu 13.VII.1990; Alai: 25 km S Schachimardan 17.VII.1992. Kugitang mts.: canyon Sov-Doker 11.V.1991.

*Superflua acaudata* (STAUDINGER, 1891)

Rosaceae

*Cerasus erythrocarpa* NEVSKI – Alai: 25 km S. Schachimardan 18.VII.1992; Talasskii Alatau: canyon riv. Aksu 12.VII.1990.

*Cerasus tianschanica* POJARK. – Zailiiskii Alatau: 20 km S Chilik 15.VI.1991.

*Neolycaena rhymnus* (EVERSMANN, 1832)

Fabaceae

*Caragana frutex* (L.) – North-West Kazakhstan: 155 km E Uralsk 10.VI.1989; Centr. Kazakhstan: 80 km NE Balchasch 12.VI.1978; Tarbagatai mts.: 45 km N Urdzhar 22.VI.1994.

*Neolycaena tengstroemi* (ERSCHOFF, 1874)\*\*

Fabaceae

*Astragalus paucijugis* C. A. MAY – East Kyzylkum: 70 km W Bairkum 5.X.1992; Taukum: 40 km N Akschi 16.VI.1977; Sary-Isyk- Otyrau desert: riv. Lepsy, 75 km N Saratovka 8.VI.1985.

*Caragana grandiflora* (BIEB.) DC. ? – Myngystau mt. (Mangyschlak).

*Neolycaena eckweileri* LUKHTANOV, 1993

Fabaceae

*Caragana aurantiaca* KOHNE – Dzhungarskii Alatau: 5 km NW Taldy-Kurgan 3.VI.1985; 30 km S Koktuma 24.VI.1985; Zailiiskii Alatau: 35 km W Almaty 24.VI.1989.

*Neolycaena submontana* ZHDANKO, 1990

Fabaceae

*Astragalus arbuscula* PALL. – Zailiiskii Alatau: 33 km W Almaty 1200 m 10.VI.1990; 26 km S Chilik 1200 m 28.V.1994.

*Neolycaena sinensis* (ALPHERAKY, 1881)

Fabaceae

*Caragana aurantiaca* KOHNE – Kuluktau mts.: Kegen pass 1500 m 25.VI.1984.

*Neolycaena pretiosa* (STAUDINGER, 1886)\*\*

Fabaceae

*Caragana turkestanica* KOM. – Darvaz mts. (J. J. STSHETKIN, 1972)\*\*; Alai mnt.: 25 km S Schachimardan 2000 m 18.VII.1992.

*Callophris rubi* (LINNAEUS, 1758)\*\*

Fabaceae

*Calophaca soongorica* KAR. et KIR. (= *C. hovenii*) – Tarbagatai mts.: 50 km N Urdzhar 12.VI.1986 (caterpillar in flowers).

*Tomares fedtschenkoi* (ERSCHOFF, 1874)

Fabaceae

*Astragalus chlorodontus* BNGE. – Zailiiskii Alatau: 25 km W Almaty 30.IV.1984.

*Astragalus agameticus* LIPSKI – Badchyz distr. (MURZIN, 1986).

*Tomares callimachus* (EVERSMANN, 1848)

Fabaceae

*Astragalus macropterus* D. C. – Zailiiskii Alatau: 110 km W Almaty riv. Kara-Kastek 1300 m 14.V.1989.

*Tomares romanovi* (CHRISTOPH, 1882)

Fabaceae

*Astragalus schachrudensis* BNGE. – Kopet-Dagh: 55 km W Aschghabad 16.IV.1991.

*Lycaena helle* ([DENIS & SCHIFFERMÜLLER], 1775)

Polygonaceae

*Polygonum nitens* (FISCH. et MAY) ? – Dzhungarskii Alatau: 45 km S Uch-Aral 2500 m 22.VI.1985.

*Lycaena phlaeas* (LINNAEUS, 1761)

Polygonaceae

*Rumex acetosa* L. – Zailiiskii Alatau: 25 km E Almaty, Talgar 2700 m 26.VII.1988.

*Thersamonolycaena dispar* (HAWORTH, 1803)

Polygonaceae

*Rumex acetosa* L. – Zailiiskii Alatau: 25 km W Almaty 6.VI.1984.

*Thersamonolycaena splendens* (STAUDINGER, 1881)

Polygonaceae

*Polygonum alpinum* ALL. – Zailiiskii Alatau: riv. Talgar 2800 m 19.VIII.1988: not sure, I didn't observe the oviposition.

*Thersamonolycaena alciphron* (ROTTEMBURG, 1775)

Polygonaceae

*Rumex acetosa* L. – Zailiiskii Alatau: vic. Almaty 9.V.1978.

*Phoenicurusia margelanica* (STAUDINGER, 1881)

Polygonaceae

*Atraphaxis pyrifolia* BNGE. – Gissar mts. (STSHETKIN, 1960); Zailiiskii Alatau: 25 km S Chilik 1200 m 14.VI.1991. Talasskii Alatau: canyon riv. Aksu 12.VII.1990.

*Athamanthia athamantis* (EVERSMANN, 1854)

Polygonaceae

*Atraphaxis spinosa* L. – Taukym: 40 km NE Akschi 16.VI.1977; Saisan distr.: 15.VI.1980; Ili desert: 34 km E Chilik 10.VI.1991.

*Athamanthia alexandra* (PÜNGELER, 1901)

Polygonaceae

*Atraphaxis spinosa* L. – Chu-Ili mts.: 155 km W Almaty Anarchai distr. 13.VI.1975; Boguty mts.: 34 km E Chilik 6.VI.1991.

*Athamanthia phoenicurus* (LEDERER, 1872)\*\*

Polygonaceae

*Atraphaxis spinosa* L. – West Kopet-Dagh: caterpillar 25.04.–4.V.1953. (KUZNETZOV, 1960); centr. Kopet-Dagh Firujza 18.V.1991.

*Athamanthia ruschanica* ZHDANKO, 1990

Polygonaceae

*Atraphaxis spinosa* L. – Pamir: not sure, I didn't observe the oviposition.

*Athamanthia sogdiana* ZHDANKO, 1990\*\*

Polygonaceae

*Atraphaxis spinosa* L. – Babatag mnt.: caterpillar – IV.1989 (O. LEGEZIN); Kugitang mts.: gor. Sov-Doker 9.V.1991.

*Athamanthia dimorphus* (STAUDINGER, 1881)

Polygonaceae

*Atraphaxis spinosa* L. – Archarly mts.: 85 km N Saratovka.

*Atraphaxis laetevirens* (LEDEB.) JAUB. et SPACH. – Dzhungarskii Alatau: 45 km S Uch-Aral 21.VI.1985; 5 km NE Taldy-Kurgan 4.VI.1985; Zailiiskii Alatau: 25 km S Chilik 14.VI.1991.

*Athamanthia turgena* ZHDANKO, 1990

Polygonaceae

*Atraphaxis pyrifolia* BNGE. – Zailiiskii Alatau: riv. Turgen 1500 m 4.VII.1984.

*Athamanthia japhetica irgiza* (NEKRUTENKO, 1984)

Polygonaceae

*Atraphaxis spinosa* L. – Centr. Kazakhstan: vic. Aktogai 16.VI.1978.

*Athamanthia infera* (NEKRUTENKO, 1984)

Polygonaceae

*Atraphaxis pyrifolia* BNGE. – Talasskii Alatau: res. Aksu-Dzhabagly 26.VI.1991.

*Thersamonia thersamon* (ESPER, [1784])

Polygonaceae

*Polygonum bistorta* L. – North-West Kazakhstan: 150 km W Uralsk 8.VI.1989.

*Atraphaxis laetevirens* (LEDEB.) JAUB. et SPACH.- Sjugoty mts.: 157 km E Almaty, gor. Kokpek 1500 m 21.V.1994.

*Artemisia dracunculus* L.? – Gissar mts. riv. Sching 2600 m 17.VII.1993.

*Thersamonia solskyi* (ERSCHOFF, 1874)

Limoniaceae

*Acantholimon laxum* CZERNIAK. – Talasskii Alatau: res. Aksu Dzhabagly 2000 m 15.VII.1970 and 12.VII.1990.

*Thersamonia lampon* (LEDERER, 1872)

Limoniaceae

*Acantholimon erinacium* (JAUB. et SPACH.) or *A. pulchellum* KOROV. – Centr. Kopet-Dagh: not sure, I didn't observe the oviposition.

*Thersamonia alpherakyi* (GRUM-GRSHIMAILO, 1888)

Limoniaceae

*Acantholimon pamiricum* CZERNIAK, *A. diapensioides* BOISS. – East Pamir: not sure, I didn't observe the oviposition.

*Hyracanana sultan* (STAUDINGER, 1886) *H. sartha* (STAUDINGER, 1886)

Polygonaceae

*Polygonum paronychioides* C. A. MAY – Gissar mts.: riv. Sching 2000–3000 m 25.–29.VII.1993.

*Hyracanana pamira* NEKRUTENKO, 1983

Polygonaceae

*Polygonum paronychioides* C. A. MAY – West Pamir: not sure, I didn't observe the oviposition.

*Apharitis epargyros* (EVERSMANN, 1854)

Fabaceae

*Alhagi pseudoalhagi* (BIEB.) FISCH. – Ili desert: 35 km E Chilik 6.-8.VI.1991.

*Alhagi canescens* (RGL.) SHAP. – East Kyzylkum Kulzhuktau mts. (FALKOVICH, 1986).

*Lampides boeticus* (LINNAEUS, 1767)\*\*

Fabaceae

*Alhagi* spec. – East Kyzylkum Kulzhuktau mts. (FALKOVICH, 1986).

*Colutea persica* – Vachsch valley (J. L. STSHETKIN, 1960).

*Colutea paulsenii* FREYN. et SINT, *Astragalus* spec. – Gissar mts.: riv.Sching 2450 m, 21.VII.1993.

*Lachides galba* (LEDERER, 1855)\*\*

Mimosaceae

*Lagonychium farctum* (BANKS. et SOLEND.) BOBR. – Vachsch valley (J. L. STSHETKIN, 1960).

*Tarucus balcanicus* (FREYER, 1844)\*\*

Rhamnaceae

*Paliurus spina-christi* MILL. – Kopet-Dagh mts. (KUZNETZOV, 1960; DARICHEVA, 1972).

*Freyeria trochylus* (FREYER, 1844)\*\*

Boraginaceae

*Heliotropium ellipticum* LEDEB. – East Kyzylkum (FALKOVICH, 1986); Babatag mts. (O. LEGEZIN, pers. comm.).

*Everes argiades* (PALLAS, 1771)

Fabaceae

*Trifolium pratense* L. – Zailiiskii Alatau: Almaty, riv. Vesnovka 3.VII.1994.

*Cupido buddhista* (ALPHERAKY, 1881)

Fabaceae

*Oxytropis pagobia* BNGE. – Zailiiskii Alatau: 25 km E Almaty Talgar 3300 m 1.VIII.1989.

*Oxytropis trajectorium* B. FEDTSCH., *O. savellanica* BNGE. – res. Aksu-Dzhabagly, riv. Bachramsu 3100 m 27.VII.1991.

*Oxytropis microsphaera* Bge. – Terskei Alatau, riv. Tujp 3000 m 20.VII.1984.

*Cupido prosecusa* (ERSCHOFF, 1874)\*\*

Fabaceae

*Sphaerophysa salsula* (PALL.) DC. – Ili desert: 42 km E Chilik; 22 km N Masak 12.VI.1991.

*Halimodendron halodendron* (PALL.) VOSS. – Ibid. \*\* (caterpillar in flowers).

*Cupido staudingeri* (CHRISTOPH, 1873)

Fabaceae

*Astragalus (Tragacantha)* spec. – Centr. Kopet-Dagh mts.: 2100 m 22.V.1991.

*Tongeia fischeri* (EVERSMANN, 1843)

Crassulaceae

*Orostachis spinosa* (L.) C. A. MAY – East Kazakhstan: 12 km E Zharma 12.VI.1979; South Altai: Sarymsakty mts. 23.VI.1981; Tarbagatai mts.: 52 km NE Urdzhar 1250 m 15.VI.1985.

*Celastrina argiolus* (LINNAEUS, 1758)\*\*

Rhamnaceae

*Malus sieversii* (LEDEB.) M. ROEM., rare apple tree – North Tian-Shan: vic. Bischkek V.1980, caterpillar on the apple.\*\*

Cuscutaceae

*Cuscuta engelmannii* KORSH., *C. lehmanniana* BNGE. – Talasskii Alatau: res. Aksu-Dzhabagly 27.VI.1991.

*Scolitantides orion* (PALLAS, 1771)

Crassulaceae

*Sedum hybridum* L. – Zailiiskii Alatau: riv. Talgar 1600 m 11.VI.1984; Tarbagatai mts.: 40 km N Urdzhar 2000 m 13.VI.1985.

*Praephilotes antracias* (CHRISTOPH, 1877)\*\*

Polygonaceae

*Calligonum leucocladum* (SCHRENK) BNGE. – Sary-Isyk-Otyrau desert: 42 km N Bakanas, 23.IV.1984.

*Calligonum eriopodium* BNGE., *C. microcarpum* BORSZCZ. – South Karakum: 6 km N Aschgab, 4.V.1991 (caterpillar).\*\*

*Calligonum griseum* KOROV. et PAVL. – Vachsch valley (J. L. STSHETKIN, 1960).

*Calligonum* spec. – East Kysylkum: Kulzhuktau (FALKOVICH, 1986).

*Turanana panageides* (STAUDINGER, 1886)

Limoniaceae

*Acantholimon laxum* CZERNIAK – Talasskii Alatau: res. Aksu-Dzhabagly 30.VIII.1991; *ibid.* vic. Tujlkubas 2.IX.1991.

*Acantholimon alatavicum* BNGE. – Kegen distr. Scholodyr mts.: 25.VI.1984.

*Turanana dushak* DUBATOLOV, 1989 (= *ahasveri* BYT.-SALZ?)

Limoniaceae

*Acantholimon pulchellum* KOROV. – Centr. Kopet-Dagh: not sure, I didn't observe oviposition.

*Turanana kugitangi* ZHDANKO, 1984

Limoniaceae

*Acantholimon erythraeum* – Kugitang mts.: not sure, I didn't observe the oviposition.

*Iolana andreasii* (SHELJUZHKO, 1919)\*\*

Fabaceae

*Colutea atabaevii* FEDTSCH. (= *kopetdaghensis*) – Kopet-Dagh mts.: caterpillar in pods (KUZNETZOV, 1960)

*Iolana gigantea* (GRUM-GRSHIMAILO, 1885)\*\*

Fabaceae

*Colutea paulsenii* FREYN. et SINT. – Gissar mts.: riv. Sching 2400 m, 24.VII.1993.

*Glaucopsyche alexis* (PODA, 1761)

Fabaceae

*Hedysarum montanum* (B. FEDTSCH.) – Zailiiskii Alatau: 33 km W Almaty 4.VI.1989.

*Pseudophilotes vicrama* (MOORE, 1865)

Lamiaceae

*Thymus marschallianus* WILD. – Sujgoty mts.: 8 km E Kokpek 31.V.1994.



*Maculineaalcon* ([DENIS & SCHIFFERMÜLLER], 1775)

Gentianaceae

*Gentiana tinschanica* RUPR. – Zailiiskii Alatau: riv. Talgar 1800 m 12.VII.1988; Dzhungarskii Alatau: riv. Usek 2100 m 8.VII.1993.

*Maculinea arion* (LINNAEUS, 1758)

Lamiaceae

*Ziziphora clinopodioides* LAM. – NW Kazakhstan: vic. Aksai, 10.VI.1989; Sujgoty mts.: 23.V.1994.

*Plebejus idas* (LINNAEUS, 1761)

Fabaceae

*Astragalus alpinus* L. – E Kungei Alatau: riv. Karkara 2000 m 18.VII.1984.  
*Cicer flexuosum* LIPSKY – Gissar mts.: riv. Sching 2700 m 22.VII.1993.

*Plebejus argus* (LINNAEUS, 1758)

Fabaceae

*Astragalus testiculatus* PALL. – NW Kazakhstan: 150 km W Uralsk 12.VI.1989.

*Plebejus argyrognomon* (BERGSTRÄSSER, [1779])

Fabaceae

*Astragalus brachilobus* DC. – NW Kazakhstan: 150 km W Uralsk 9.VI.1989.  
*Astragalus sogotensis* LIPSKY – Ili desert: 42 km E Chilik 20.–23.V.1993.

*Plebejus christophi* (STAUDINGER, 1874)\*\*

Fabaceae

*Alhagi pseudalhagi* (BIEB.) FISCH. – East Kyzylkum Kulzuktai mts. (FALKOVICH, 1986).\*\*

Elaeaginaceae

*Hypophae rhamnoides* L. – Tadzhikistan, valley riv. Obichingou (DEGTJAREVA & STSHETKIN, 1975).\*\*

*Plebejus eversmanni* (STAUDINGER, 1886)

Fabaceae

*Chesneya ternata* KORSCH. – Kopet-Dagh mts.: not sure, I didn't observe the oviposition.  
*Chesneya quinata* FED. – Alai mts.: 40 km S Schachimardan 2000 m 18.VII.1992.  
*Chesneya gissarica* BORISS. – Gissar mts.: riv. Sching 1600 m 15.VII.1993.

*Plebejus pylaon* (FISCHER VON WALDHEIM, 1832)

Fabaceae

*Astragalus rupifragus* PALL. – NW Kazakhstan: 150 km W Uralsk 29.V.1990.

*Plebejus zephyrinus* (CHRISTOPH, 1884)

Fabaceae

*Astragalus* spec. – Sujgoty mts.: 5 km E Kokpek 4.VI.1980.

*Farsia sieversi* (CHRISTOPH, 1873)

Fabaceae

*Astragalus sericeopuberulus* BORISS. – Gissar mts.: riv. Sching 2700 m 26.VII.1993.

*Glabrobus elvira* (EVERSMANN, 1854)

Limoniaceae

*Limonium gmelinii* (WILLD.) KTZE. – Ili desert.: 22 km NE Masak 12.VI.1991.

*Glabrobus cyane* (EVERSMANN, 1837)

Limoniaceae

*Gonioiimon cuspidatum* GAMAJUN. – Zailiiskii Alatau: riv. Chilik 2900 m 11.VIII.1989; Sujgoty mts.: 6 km E Kokpek 9.VII.1984.

*Limonium leptolobum* (RGL.) KTZE. – Sary-Isyk-Otyrau desert: 17 km NE vill. Lepsy 9.VI.1985.

\* *Rimisia miris* (STAUDINGER, 1881)

Fabaceae

*Astragalus balchaschensis* SUMN. – Sary-Isyk-Otyrau desert: 17 km NE vill. Lepsy 9.VI.1985.

*Aricia agestis* ([DENIS & SCHIFFERMÜLLER], 1775)

Geraniaceae

*Geranium collinum* STEPH., *G. divaricatum* EHRH. – Talasskii Alatau: res. Aksu-Dzhabagly 26.VII.1990.

*Aricia nicias* (MEIGEN, 1829).

Geraniaceae

*Geranium pratense* L. – South Altai: vic. Zyrajnovsk 30.VI.1981.

*Aricia allous* (GEYER, [1836]) (= *scythissa* NEKR.)

Geraniaceae

*Geranium saxatile* KAR. et KIR. – Zailiiskii Alatau: riv. Talgar 1800 m 14.VII.1988.

\* *Umpria chinensis* (MURRAY, 1874)

Geraniaceae

*Erodium oxyrhynchum* BIEB. – Ili desert: 45 km E Chilik 10.VI.1991.

*Eumedonia eumedon* (ESPER, [1780])

Geraniaceae

*Geranium saxatile* KAR. et KIR., *G. collinum* STEPH. – Talasskii Alatau: res. Aksu-Dzhabagly Kschi-Kaindy pass 3000 m 4.VIII.1993.

*Eumedonia kogistana* GRUM-GRSHIMAILO, 1888)

Geraniaceae

*Geranium* spec. – Darvaz mts.: not sure, I didn't observe the oviposition.

*Eumedonia persephatta* (ALPHERAKY, 1881)

Geraniaceae

*Geranium saxatile* KAR. et KIR. – Zailiiskii Alatau: riv. Talgar 1700 m 14.VI.1984.

*Agridades pheretiades* (EVERSMANN, 1843)

Primulaceae

*Androsace lehmanniana* SPRENG. – Turaigur mts.: 2500 m 9.VII.1984; Kuluktau mts. Kegen pass 15.VII.1984; Kungei Alatau riv. Kara Bulak 3000 m 13.VII.1984; Dzhungarskii Alatau riv. Bien 3000 m 4.VIII.1984.

*Agridades wosnesenskii* (MENETRIES, 1855)

Saxifragaceae

*Saxifraga* spec. – South Altai: Sarymsakty mts. 15 km S vill. Novo-Berezovka 24.VI.1981.

*Albulina orbitulus* (DE PRUNNER, 1798)

Fabaceae

*Astragalus* spec. – South Altai: Sarymsakty mts. 15 km S vill. Novo-Berezovka 23.VI.1981.

*Plebicula amanda* (SCHNEIDER, 1792)

Fabaceae

*Vicia kokanica* RGL. et SCHMALH. – Alai mts.: 25 km S Schachimardan 2000 m 20.VII.1992;

*Vicia costata* LEDEB. – South Dzhungaria: riv. Small Usek 1.VII.1992;

*Medicago romanica* PROD. – N-W Kazakhstan: 150 km W Uralsk 11.VI.1989.

*Plebicula thersites* (CANTENER, 1843)

Fabaceae

*Onobrychis viciifolia* SCOP. – Zailiiskii Alatau: 33 km W Almaty 4.VI.1989.

*Polyommatus icarus* (ROTTEMBURG, 1775)

Fabaceae

*Medicago romanica* PROD., *M. falcata* L. – N-W Kazakhstan: 155 km W Uralsk 10.VI.1989.

*Trifolium repens* L. – Zailiiskii Alatau: riv. Talgar 1500 m 10.VI.1984.

*Polyommatus icadius* (GRUM-GRSHIMAILO, 1890)\*\*

Fabaceae

*Cicer songaricum* STEPH. ex DC.- Tarbagatai mts.: 20 km north Urdzhar 24.VI.1994; Dzhungarskii Alatau: riv. Bien 2600 m 4.VIII.1984; vic. Kopal 1800 m 2.VIII.1984; Zailiiskii Alatau: riv. Turgen 2600 m 9.VII.1991; Alai mts.: 25 km S Schachimordan 18.VII.1992; Gissar mts.: riv. Sching 2000 m, 21.VII.1993.

*Cicer flexuosum* LIPSKY – Talasskii Alatau: res. Aksu-Dzhabagly 1700 m 22.VI.1991 (caterpillar in flower).

*Polyommatus venus* (STAUDINGER, 1886)

Fabaceae

*Oxytropis talassica* GONTSCH., *O. aulieatensis* VVED. – Talasskii Alatau: res. Aksu-Dzhabagly riv. Bachramsü 2800 m 27.VII.1991.

*Polyommatus wiskotti* (COURVOISIER, 1910)

Fabaceae

*Oxytropis lapponica* (WAHLENB.) J. GAY – Zailiiskii Alatau: riv. Talgar 2900 m 4.VIII.1988.

*Polyommatus amor* (STAUDINGER, 1886)

Fabaceae

*Astragalus spec.* – Gissar mts.: riv. Sching 2600 m, 22.VII.1993.

*Polyommatus erotides* (STAUDINGER, 1891)

Fabaceae

*Astragalus nivalis* KAR. et KIR. – Zailiiskii Alatau: riv. South Issyk 3300 m 9.VIII.1989.

*Agrodiaetus damon* ([DENIS & SCHIFFERMÜLLER], 1775)

Fabaceae

*Onobrychis ferganica* (SIRJ.) – Zailiiskii Alatau: riv. Turgen 2700 m 5.VII.1991.

*Agrodiaetus juldusa* (STAUDINGER, 1886)

Fabaceae

*Hedysarum aculeatum* GOLOSK. – South Dzhungaria: riv. Small Usek, 1500 m 6.VII.1993.

*Agrodiaetus ripartii* (FREYER, 1830)

Fabaceae

*Hedysarum montanum* (B. FEDTSCH.) – Zailiiskii Alatau: vic. Almaty, 29.VI.1977.

*Paraagrodiaetus magnifica* (GRUM-GRSHIMAILO, 1885)

Fabaceae

*Onobrychis grandis* LIPSKY – Talasskii Alatau: canyon riv. Aksu 28.VI.1991.

\* *Alpherakya sarta* (ALPHERAKY, 1881)

Crassulaceae

*Pseudosedum longidentatum* BORISS. – South Dzhungaria, Zailiiskii Ala tau: 26 km S. Chilik 900 m 1.VI.1994; Talasskii Alatau: res. Aksu-Dzhabagly 1700 m 31.VIII.1991; Alai mts.: 25 km S. Schachimardan 2400 m 18.VII.1992.

*Rosularia kokanica* (RGL. et SCHMALH.) BORISS. – Gissar mts.: riv. Sching 2700 m 20.VII.1993.

*Alpherakya devanica* (MOORE, [1875])

Crassulaceae

*Pseudosedum* spec. – Pamir: not sure, I didn't observe the oviposition.

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#### References

CHEREPANOV, S. K. (1981): *Vesel plants of the USSR*. – Leningrad, 509 pp (in russian).

DARICHEVA, M. A. (1972): *Fauna and ecology butterflies of the south Turkmenistan*. – In: "Insects of south Turkmenistan". Ashgabad, p. 47–74 (in russian).

DEGTJAREVA, V. I. & J. L. STSHETKIN (1975): *Blue butterfly – Plebejus christophi* STGR. (Lepidoptera. Lycaenidae) in Tadjhikistan. – *Entomology of Tadjhikistan*, p. 120–124 (in russian).

FALKOVICH, M. I. (1986): *Lepidoptera of the Kuldzhuktau mountain range (south-west Kyzylkum)*. – *Works S.E.S., Leningrad*, 67: 131–186 (in russian).

KUZNETZOV, V. I. (1960): *On the fauna and biology of Lepidoptera of the western Kopet-Dagh*. – In: *Fauna and ecology of insects of the Turkmen SSR*. M.L., p. 11–93 (in russian).

MURZIN, V. S. (1986): *Butterflies (Lepidoptera, Rhopalocera) of the Badhyz reservation (Turkmenistan)*. – In: *Fauna and ecology of insects of the Turkmen SSR*. M.L., p. 125–130 (in russian).

STSHETKIN, J. L. (1960): *Lepidoptera of the Vachsch valley*. – *Duschanbe*. Part 1, 103 pp (in russian).

- STSHETKIN, J. J. (1972): News about *Neolycaena sinensis pretiosa* STGR. in Tadzhikistan.- In: Questions of the entomology in Tadzhikistan, Duschanbe, p. 151–154 (in russian).
- ZHDANKO, A. B. (1994): New genera and species of the Lycaenidae (Lepidoptera) from Asia. – Jour. Selevinia 2: 94–95.

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