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Lepidoptera Tortricidae from SE European Russia with description of *Ceratoxanthis saratovica* sp. n.

Abstract - Faunistic data of some Lepidoptera Tortricidae collected in Southern Russian territory are reported; moreover, the new species *Ceratoxanthis saratovica* sp. n., from Saratov region is described. Externally *C. saratovica* resembles to *Ceratoxanthis argentomixtana* (Staudinger, 1870); in the male genitalia is closed to *Ceratoxanthis iberica* Baixeras, 1992.

Riassunto - *Lepidoptera Tortricidae* dalla Russia sud-orientale e descrizione di *Ceratoxanthis saratovica* sp. n.

Vengono riportati nuovi dati faunistici su alcuni lepidotteri tortricidi rinvenuti nei territori della Russia meridionale, inoltre viene descritta *Ceratoxanthis saratovica* sp. n. raccolta nella regione di Saratov. Per le caratteristiche morfologiche esterne la nuova specie assomiglia a *Ceratoxanthis argentomixtana* (Staudinger, 1870); gli apparati genitali maschili sono simili a quelli di *Ceratoxanthis iberica* Baixeras, 1992.

Key words: Lepidoptera Tortricidae, SE European Russia, *Ceratoxanthis saratovica*, new species.

INTRODUCTION

The paper reports few notes on tortricids recognized in material collected in SE European Russia, during different expeditions to territories of Iuriuzan, E. Samara, Saratov, Volga region, and Volgograd, realized in 1998-1999 by Povilas Ivinskis, Vidmantas Karalius and Jan Miatleuski (Vilnius, Lithuania). Moreover, is described *Ceratoxanthis saratovica* sp. n., externally the new species resembles to *Ceratoxanthis argentomixtana* (Staudinger, 1870), in male genitalia is similar to *Ceratoxanthis iberica* Baixeras, 1992 (Kuznetsov, 1989; Razowski, 2002 and 2003).

Ceratoxanthis Razowski, 1960, is a West-Palaeartic genus known from Spain and SE Europe, from Caucasus to N Syria and Kazakhstan. In the genus are reported 4 species: *C. externana* (Eversmann, 1844) from Russia (S. Ural) N Syria, Caucasus and Turkmenia, *C. argentomixtana* from SE Russia (Volgograd, Sarepta, lower Volga, S. Ural), *C. iberica* from Spain (Guadalaviar, Teruel) and Iran (Bāzargān, West Azarbāi-

jän), *C. rakosyella* Wies & Huemer, 2000, from Romania (Mangalia, Dobrogea), and *C. adriatica* Elsner & Jaros, 2003, from Montenegro (Buljarica) (Baixeras, 1992; Wieser & Huemer, 2000; Elsner & Jaros, 2003; Brown, 2005; Alipanah, 2009; Razowski, 2009).

LIST OF TAXA

LEPIDOPTERA TORTRICIDAE

SUBFAMILY TORTRICINAE

Tribe Tortricini

Aleimma loeflingianum (Linnaeus, 1758)

MATERIAL EXAMINED: 1 female, European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.

Tribe Cochylini

Phtheochroa inopiana (Haworth, 1811)

MATERIAL EXAMINED: 2 females, SE Russia, 150m, 70km E. Samara, Chernovka, 25.6.98.

Cochylimorpha asiana (Kennel, 1899)

MATERIAL EXAMINED: 1 male, S. Russia, Volga reg., Khalinsk, 24.6.98.

Cochylimorpha woliniana (Schleich, 1868)

MATERIAL EXAMINED: 1 female, S. Russia, Volga reg., Khalinsk, 24.6.98.

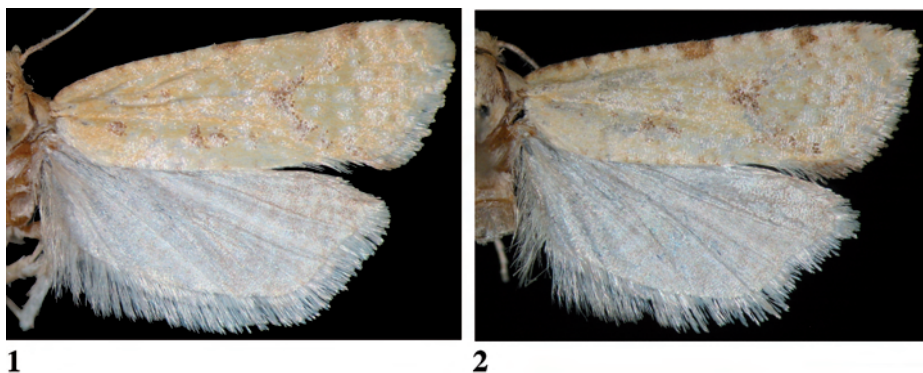
Agapeta hamana (Linnaeus, 1758)

MATERIAL EXAMINED: 2 females, SE Russia, 150m, 70km E. Samara, Chernovka, 25.6.98; 1 male and 1 female, S. Russia, W. Saratov, Sosnovka, 23.6.98; 1 female, S. Russia, W. Saratov, Sosnovka, 23.6.98.

Ceratoxanthia saratovica sp. n.

MATERIAL EXAMINED: 1 male, holotypus, labelled as follows: European p. of Russia SE, Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.; 2 males, paratypus, European p. of Russia SE, Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.; 2 males, paratypus, European p. of Russia SE, Saratov env., 02.06.1999, Leg. Miatleuski J., Karalius V.

ADULT. Wing expanse: male 21-24 mm (Figs 1-2). Antenna brown. Labial palpus dark yellow with a brownish hue. Frons and vertex concolorous with palpus. Thorax



Figs 1-2 - *Ceratoxanthia saratovica* sp. n. adults: holotypus (1), European p. of Russia SE, Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.; paratype (2), European p. of Russia SE, Saratov env., 02.06.1999, Leg. Miatleuski J., Karalius V.

and tegula yellowish-brown. Forewing ground colour yellowish densely strigulated with rust-brown in distal part, rust-brown along costa, markings almost completely atrophied in form of weak spots at dorsum, median blotch and subternal spot rust-brown. Cilia concolorous with ground colour. Hindwing white cream, distally pale greyish; cilia white with pale brown sub-basal line.

MALE GENITALIA: reported in figures 3-5. Tegumen short and broad, socius broad, uncus in form of a sub-triangular prominence. Transtilla with lateral process on the valva rounded and armed with 10 apical spines. Valva broad, with distal margin more or less sinuous, sacculus curved. Lateral process of juxta long, curved downwards, provided with a row of spines extended from basal to terminal part, which the spines are longer. Aedeagus simple long and narrow with broad coecum penis; cornutus present.

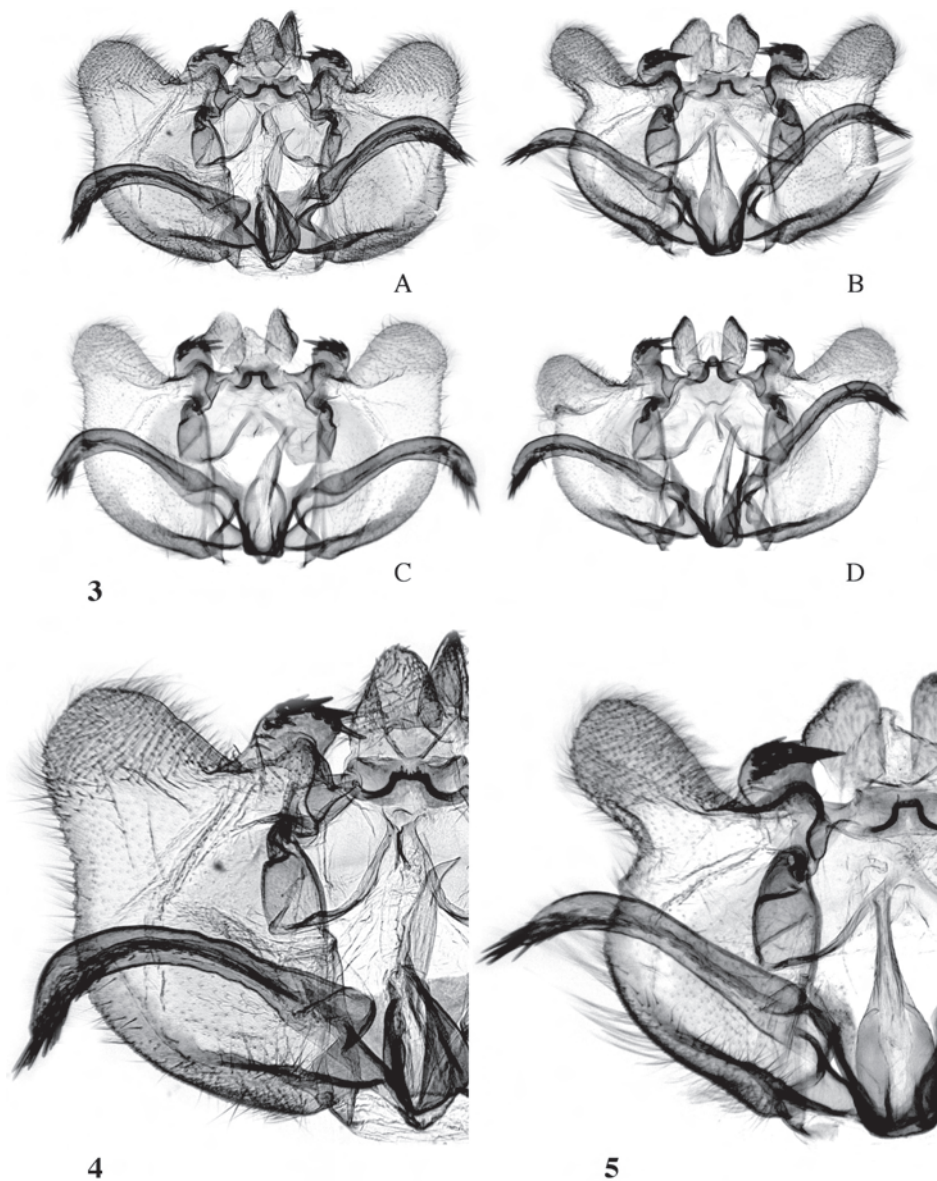
FEMALE GENITALIA. Unknown.

DISTRIBUTION: Known only from the type locality: Russia, SE Saratov region.

HOST: Unknown.

BIOLOGY: Moths collected in June in open grassy areas.

REMARKS: Externally the new species resembles *C. argentomixtana*. The genitalia of *C. saratovica* are similar to those of *C. argentomixtana*, *C. iberica* and *C. rakosyella*. However, they differ in the basal process, distal margin of the valvae, the sacculus, transtilla and juxta. The basal process in *C. saratovica* is similar in shape to *C. iberica*, but provided with a long row of spines extended from basal to terminal part; compared with *C. rakosyella* lateral process of juxta is shorter and curved downwards. In *C. saratovica* sacculus is curved while in *C. iberica* sacculus is straight. In *C. saratovica* lateral process of juxta approximately is 2 times longer than aedeagus, while in *C. iberica* lateral process of juxta approximately is 1.5 times longer than aedeagus.



Figs 3-5 - *Ceratoxanthia saratovica* sp. n. genitalia: holoptypus (3A, 4), European p. of Russia SE, Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.; paratypus (3B, 3C, 3D, 5), European p. of Russia SE, Saratov env., 02.06.1999, Leg. Miatleuski J., Karalius V.

The type specimens of *C. saratovica* is deposited in the Trematerra Collection, University of Molise, Campobasso, Italy.

ETYMOLOGY: The new species is named after the position of the type locality Saratov region.

Cochylis posterana Zeller, 1847

MATERIAL EXAMINED. 3 males, European p. of Russia, SE Saratov env., 02.06.1999, Leg. Miatleuski J., Karalius V.

Tribe Cnephasiini

Eana argentana (Clerck, 1759)

MATERIAL EXAMINED. 1 female, S. Ural, 15.7.98, Iuriuzan, Pervukha, 500m.

Eana incanana (Stephens, 1852)

MATERIAL EXAMINED. 1 male, S. Ural, 15.7.98, Iuriuzan, Pervukha, 500m.

Cnephasia asseclana (Denis & Shiffermüller, 1775)

MATERIAL EXAMINED. 1 female, European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.

Cnephasia stephensiana (Doubleday, 1849)

MATERIAL EXAMINED. 1 female, S. Russia, Volga reg., Khalinsk, 24.6.98.

Tribe Archipini

Archips crataeganus (Hübner, 1796-99)

MATERIAL EXAMINED. 1 female, SE Russia, 150m, 70km E. Samara, Chernovka, 25.6.98.

Archips podanus (Scopoli, 1763)

MATERIAL EXAMINED. 1 male and 1 female, SE Russia, 150m, 70km E. Samara, Chernovka, 25.6.98; European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.

Archips rosanus (Linnaeus, 1758)

MATERIAL EXAMINED. 1 male, European p. of Russia, SE Saratov env., 02.06.1999, Leg. Miatleuski J., Karalius V.

Choristoneura diversana (Hübner, 1817)

MATERIAL EXAMINED. SE Russia, 150 m, 70km E. Samara, Chernovka, 25.6.98.

Choristoneura hebenstreitella (Müller, 1764)

MATERIAL EXAMINED. 2 females, SE Russia, 150m, 70km E. Samara, Chernovka, 25.6.98.

Argyrotaenia ljungiana (Thunberg, 1797)

MATERIAL EXAMINED. 1 male, European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.

Pandemis cerasana (Hübner, 1796)

MATERIAL EXAMINED. 1 female, S. Russia, W. Saratov, Sosnovka, 23.6.98.

Pandemis cinnamomeana (Treitschke, 1830)

MATERIAL EXAMINED. S. Ural, 15.7.98, Iuriuzan, Pervukha, 500m.

Syndemis musculana (Hübner, 1796-99)

MATERIAL EXAMINED. 1 male, European p. of Russia, SE Saratov env., 02.06.1999, Leg. Miatleuski J., Karalius V.

Aphelia viburnana (Denis & Schiffermüller, 1775)

MATERIAL EXAMINED. 1 male, S. Ural, 15.7.98, Iuriuzan, Pervukha, 500m.

SUBFAMILY OLETHREUTINAE

Tribe Olethreutini

Endothenia gentianaeana (Hübner, 1796-99)

MATERIAL EXAMINED. 1 male, SE Russia, 150m, 70km E. Samara, Chernovka, 25.6.98.

Eudemis profundana (Denis & Schiffermüller, 1775)

MATERIAL EXAMINED. 1 male, European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.

Metendothenia atropunctana (Zetterstedt, 1840)

MATERIAL EXAMINED. 1 female, S. Russia, Volga reg., Khalinsk, 24.6.98.

Apotomis sororculana (Zetterstedt, 1840)

MATERIAL EXAMINED. 1 male, S. Ural, 15.7.98, Iuriuzan, Pervukha, 500m; 1 female, S. Ural, 28.6.98, Iuriuzan, Pervukha.

Celypha striana (Denis & Schiffermüller, 1775)

MATERIAL EXAMINED. 2 males, SE Russia, 150m, 70km E. Samara, Chernovka, 25.6.98.

Syricoris rivulana (Scopoli, 1763)

MATERIAL EXAMINED. 1 male, SE Russia, 150m, 70km, E. Samara, Chernovka, 25.6.98.

Tribe Eucosmini

Eriopsela quadrana (Hübner, 1811-13)

MATERIAL EXAMINED. 1 male, S. Russia, W. Saratov, Sosnovka, 23.6.98.

Thiodia placidana Staudinger, 1871

MATERIAL EXAMINED. 3 males, European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.

Pelochrista hepariana (Herrich-Schäffer, 1851)

MATERIAL EXAMINED. 1 male, European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.

Eucosma albidulana (Herrich-Schäffer, 1851)

MATERIAL EXAMINED. 1 male, S. Russia, 250km, W. Volgograd, Morozovsk, 28.6.98;
1 male, European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J.,
Karalius V.

Eucosma aspidiscana (Hübner, 1814-17)

MATERIAL EXAMINED. 1 male, S. Ural, 26.6.98, Iuriuzan, Pervukha.

Eucosma metzneriana (Treitschke, 1830)

MATERIAL EXAMINED. 1 male and 1 female, S. Russia, 250km, W. Volgograd, Morozovsk,
28.6.98.

Eucosma pupillana (Clerck, 1759)

MATERIAL EXAMINED. 2 males and 1 female, European p. of Russia, SE Saratov env.,
28.06.1999, Leg. Miatleuski J., Karalius V.

Epiblema foenellum (Linnaeus, 1758)

MATERIAL EXAMINED. 1 male, S. Russia, Volga reg., Khalinsk, 24.6.98; 1 female, SE Rus-
sia, 150m, 70km E. Samara, Chernovka, 25.6.98; 1 male, S. Ural, 28.6.98, Iuriuzan,
Pervukha; 1 male, S. Ural, 15.7.98, Iuriuzan, Pervukha, 500m.

Tribe Grapholitini

Cydia pomonella (Linnaeus, 1758)

MATERIAL EXAMINED. 1 male, European p. of Russia, SE Saratov env., 2.06.1999, Leg. Miatleuski J., Karalius V.; 1 male, European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.

Latronympha strigana (Fabricius, 1775)

MATERIAL EXAMINED. 1 female, European p. of Russia, SE Saratov env., 28.06.1999, Leg. Miatleuski J., Karalius V.

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