

## Species names homonymy in the ladybirds (Coleoptera: Coccinellidae)

### Омонимия видовых названий в семействе божьи коровки (Coleoptera: Coccinellidae)

A.S. Ukrainsky  
А.С. Украинский

Department of Entomology, Faculty of Biology, Moscow State University, Vorobei gori, 1, Moscow 119992 Russia. E-mail: para@rsc.ru

Кафедра энтомологии, Биологический факультет, Московский государственный университет, Воробьевы горы, 1, Москва 119992 Россия

KEYWORDS: Coleoptera, Coccinellidae, ladybirds, nomenclature, *Scymnus*, *Exochomus*, *Platynaspis*, *Lemnia*.

КЛЮЧЕВЫЕ СЛОВА: Coleoptera, Coccinellidae, божьи коровки, номенклатура, *Scymnus*, *Exochomus*, *Platynaspis*, *Lemnia*.

ABSTRACT: The species names *Scymnus pusillus* Savoyskaya, 1969, *Scymnus ornatus* Savoyskaya, 1969, *Exochomus apicatus* Gorham, 1894, *Platynaspis bimaculatus* (Hoang, 1984) and *Lemnia cincta* (Weise, 1900) have proved to be preoccupied. The present contribution corrects these nomenclatural problems by providing new names for the above mentioned species-group taxa. *Scymnus ayaguzicus*, new name, is proposed as a replacement name for the junior homonym *Scymnus pusillus* Savoyskaya, 1969 (non Herbst, 1797); *Scymnus savoyskayae* is a new name for *Scymnus ornatus* Savoyskaya, 1969 (non LeConte, 1850); *Exochomus pegas* is a new name for *Exochomus apicatus* Gorham, 1894 (non Fairmaire, 1884); *Platynaspis hoangi* is a new name for *Platynaspis bimaculatus* (Hoang, 1984) (non Weise, 1888); *Lemnia tomboensis* is a new name for *Lemnia cincta* (Weise, 1900) (homon. *Lemnia cincta* (Hope, 1831)). The species name *Platynaspis bimaculata* Pang & Mao, 1979 (non Weise, 1888) has proved to be preoccupied too. So its junior synonym *Platynaspis kapuri* Chakraborty & Biswas, 2000 becomes valid.

РЕЗЮМЕ: Видовые названия *Scymnus pusillus* Savoyskaya, 1969, *Scymnus ornatus* Savoyskaya, 1969, *Exochomus apicatus* Gorham, 1894, *Platynaspis bimaculatus* (Hoang, 1984) и *Lemnia cincta* (Weise, 1900) оказались преокупированными. Настоящая работа призвана исправить эти номенклатурные проблемы путем введения новых названий для указанных таксонов видовой группы. *Scymnus ayaguzicus*, новое название, предложенное как замещающее название для младшего омонима *Scymnus pusillus* Savoyskaya, 1969 (non Herbst, 1797); *Scymnus savoyskayae* — новое название для *Scymnus ornatus* Savoyskaya, 1969 (non LeConte, 1850); *Exochomus pegas* — новое название для *Exochomus apicatus* Gorham, 1894 (non Fairmaire, 1884); *Platynaspis hoangi* — новое назва-

ние для *Platynaspis bimaculatus* (Hoang, 1984) (non Weise, 1888); *Lemnia tomboensis* — новое название для *Lemnia cincta* (Weise, 1900) (homon. *Lemnia cincta* (Hope, 1831)). Видовое название *Platynaspis bimaculata* Pang & Mao, 1979 (non Weise, 1888) также оказалось преокупированным и валидным сделан его младший синоним *Platynaspis kapuri* Chakraborty & Biswas, 2000.

As a result of Coccinellidae family species names nomenclature studying it became possible to find out the previously overlooked primary homonymy in four cases. According to the International Code of the Zoological Nomenclature [1999, articles 52, 53.3, 57, 60], three new names are proposed for the junior primary homonyms without available synonyms. One preoccupied species name is substituted by its junior synonym.

#### Tribe Scymnini

##### *Scymnus ayaguzicus* Ukrainsky, **nom.nov.**

*Scymnus pusillus* Savoyskaya, 1969: 123, **nom.preocc.** (non *Scymnus pusillus* Herbst, 1797)

*Scymnus (Scymnus) pusillus*: Savoyskaya, 1974: 70

*Scymnus (Scymnus) pusillus*: Savoyskaya, 1983a: 125

*Scymnus (Scymnus) pusillus*: Savoyskaya, 1983b: 196

*Scymnus (Scymnus) pusillus*: Yablokov-Khnzorian, 1983: 123

ETYMOLOGY. The species is named after its type locality, Ayaguz river in Kazakhstan.

##### *Scymnus savoyskayae* Ukrainsky, **nom.nov.**

*Scymnus ornatus* Savoyskaya, 1969: 131, **nom.preocc.** (non *Scymnus ornatus* Le Conte, 1850)

*Scymnus (Scymnus) ornatus*: Savoyskaya, 1974: 69

*Scymnus (Scymnus) ornatus*: Savoyskaya, 1983a: 124

*Scymnus (Scymnus) ornatus*: Savoyskaya, 1983b: 197

*Scymnus (Scymnus) ornatus*: Yablokov-Khnzorian, 1983: 147

ETYMOLOGY. The species is named in honour of the famous Soviet ladybird specialist Galina Ivanovna Savoyskaya, the original species name author.

## Tribe Chilocorini

***Exochomus pegas* Ukrainsky, nom.nov.**

*Exochomus apicatus* Gorham, 1894: 179, **nom.preocc.**

(non *Exochomus apicatus* Fairmaire, 1884)

*Exochomus apicatus*: Korschefsky, 1932: 262

ETYMOLOGY. The species is named in honour of Pegas, the flying horse of Greek mythology.

## Tribe Platynaspini

***Platynaspis kapuri* Chakraborty & Biswas, 2000: 122, stat.rev.**

*Platynaspis bimaculata* Pang & Mao, 1979: 94-95, **nom.preocc.** (non *Platynaspis bimaculata* Weise, 1888)

*Platynaspis bimaculata*: Poorani, 2002: 9

*Platynaspis bimaculata*: Hua Li-zhong, 2002: 122

The senior synonym *Platynaspis bimaculata* Pang & Mao, 1979 has appeared to be preoccupied. The junior synonym *Platynaspis kapuri* Chakraborty & Biswas, 2000 becomes valid. The synonymy is taken according to Poorani [2002].

Two previously overlooked cases of secondary homonymy were revealed. According to the International Code of the Zoological Nomenclature [1999, articles 52, 53.3, 57.3, 59, 60], new names for the junior secondary homonyms are proposed without available synonyms.

***Platynaspis hoangi* Ukrainsky, nom.nov.**

*Paraplatynaspis bimaculatus* Hoang, 1984: 8

*Paraplatynaspis bimaculatus*: Chazeau, Fursch & Sasaji, 1990

*Platynaspis bimaculatus*: Slipinski & Tomaszewska, 2002: 496

*Platynaspis bimaculatus* (Hoang), **nom.preocc.**

(homon. *Platynaspis bimaculata* Weise, 1888: 92)

ETYMOLOGY. The species is named in honour of the famous Vietnamese ladybird specialist Hoang Duc Nhuan, the original species name author.

The generic names *Platynaspis* Miyatake, 1961, *Phymatosternus* Miyatake, 1961 and *Paraplatynaspis* Hoang, 1983 became the name *Platynaspis* Redtenbacher, 1843 synonyms [Slipinski & Tomaszewska, 2002]. This event has provided secondary homonymy in the genus *Platynaspis*.

## Tribe Synonychini

***Lemnia momboensis* Ukrainsky, nom.nov.**

*Autotela cincta* Weise, 1900: 127

*Autotela cincta*: Korschefsky, 1932: 299

*Lemnia cincta*: Fuersch, 2002: 289

*Lemnia cincta* (Weise), **nom.preocc.**

(homon. *Lemnia cincta* (Hope, 1831): Crotch, 1874: 149)

ETYMOLOGY. The species is named after its type locality, Mombo in North-Western Africa.

The generic name *Autotela* Weise, 1900 became the name *Lemnia* Mulsant, 1850 synonym [Fuersch, 2002]. This event has provided the secondary homonymy in the genus *Lemnia*. *Lemnia cincta* (Hope, 1831) is a senior secondary homonym. This combination was used incorrectly in the monograph of Crotch [1874] in spite of the fact that the name *Coccinella cincta* Hope, 1831 had been preoccupied by Fabricius [1798] and its replacement name *Lemnia circumvelata* was proposed by Mulsant in 1850 [Poorani, 2002].

In this case the ICZN article 23.9.1 action can't be applied because only one necessary condition (23.9.1.1 — The senior ... homonym has not been used as a valid name after 1899) of the two is met but condition 23.9.1.2 is not met.

## References

- Chazeau J., Fursch H. & Sasaji H. 1990. Valid genera and subgenera of Coccinellidae. // *Coccinella*, Vol.2, No.1, P.7–18. [[http://www.phil.uni-passau.de/didaktik\\_natw/fuersch/valid.html](http://www.phil.uni-passau.de/didaktik_natw/fuersch/valid.html)]
- Crotch G.R. 1874. A revision of the coleopterous family Coccinellidae // University Press, London, 311 pp.
- Fabricius J.C. 1798. Supplementum entomologiae systematicae // Proft. et Storch, Hafniae. 572 pp.
- Fuersch H. 2002. Die *Lemnia*-Arten der Aethiopia (Insecta: Coleoptera: Coccinellidae). // *Faunistische Abhandlungen*. Vol.22. No.2. P.285–305.
- Gorham H.S. 1894. *Biologia Centrali-Americana*, Insecta, Coleoptera: Coccinellidae // Vol.7. P.177–208.
- Hoang D.N. 1983. [Coccinellidae of Vietnam. Part 2.] *Nha xuất bản khoa học và kỹ thuật*, Hanoi, 159 pp. [In Vietnamese with English summary].
- Hua Li-zhong 2002. List of Chinese Insects // *Guangzhou*. Vol.2. P.112–126.
- International Code of the Zoological Nomenclature. Fourth Edition. London, 1999.
- Korschefsky R. 1932. Coccinellidae II. In: W. Junk and S. Schenkling (Eds.), *Coleopterorum Catalogus*. Pars 120. Berlin, W. Junk. P.225–659.
- Pang X.F. & Mao J.L. 1979. *Coleoptera: Coccinellidae*. II // *Khongguo Jingji Kunchang Zhi*, Beijing. Vol.14. 170 pp.
- Poorani J.K. 2002. An annotated checklist of the Coccinellidae (Coleoptera) (excluding Epilachninae) of the Indian subregion. // *Oriental Insects*. Vol.36. P.307–383. [[http://www.angelfire.com/bug2/j\\_poorani/checklist.pdf](http://www.angelfire.com/bug2/j_poorani/checklist.pdf)].
- Savoyskaya G.I. 1969. [The South and the East Kazakhstan Scymninae study] *K izucheniю scimnin uzhnogo i vostochnogo Kazakhstana*. // *Trudi Instituta zaschiti rasteniy Kazakhskoi SSR*. Vol.10. P.118–157. [In Russian].
- Savoyskaya G.I. 1974. [Insects — the harvest defenders] *Nasekomye — zaschitniki uroznya* // *Alma-Ata: Kainar Publ.* 128 pp. [In Russian].
- Savoyskaya G.I. 1983a. [Coccinellids: Systematic, application in fight against agricultural vermin] *Kokcinellidi: Systematika, primeneniye v borbe s vreditelamy selskogo hozaystva* // *Alma-Ata: Nauka Publ.* 246 pp. [In Russian].
- Savoyskaya G.I. 1983b. Coccinellid larvae of USSR fauna [Lichinki kokcinellid fauni SSSR] // *Leningrad: Nauka Publ.* 244 pp. [In Russian].
- Slipinski A. & Tomaszewska K.W. 2002. The genus *Crypticolus* Strohecker, 1953 — redescription and transfer from Endomychidae to Coccinellidae (Coleoptera: Cucujoidea). // *Annales Zoologici (Warszawa)*, Vol.52. No.4. P.493–497.
- Weise J. 1900. *Kurze Mittheilungen über ostafrikanische Coccinelliden und Beschreibungen neuer Arten* // *Deutsche Entomologische Zeitschrift*, Berlin. Jahrgang 1900. Hf.1. P.113–131.
- Yablokov-Khnzorian S.M. 1983. [USSR fauna lady beetles review (Coleoptera, Coccinellidae)] *Obzor semei'stva zhukov-kokcinellid fauni SSSR (Coleoptera, Coccinellidae)* // *Zoologicheskii sbornik AN ArmSSR*. Vol.19. P.94–161. [In Russian].