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Salticidae (Araneae) genera of the world - an atlas
(unfinished manuscript)
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Chapter 2 ICIINES informal group of genera

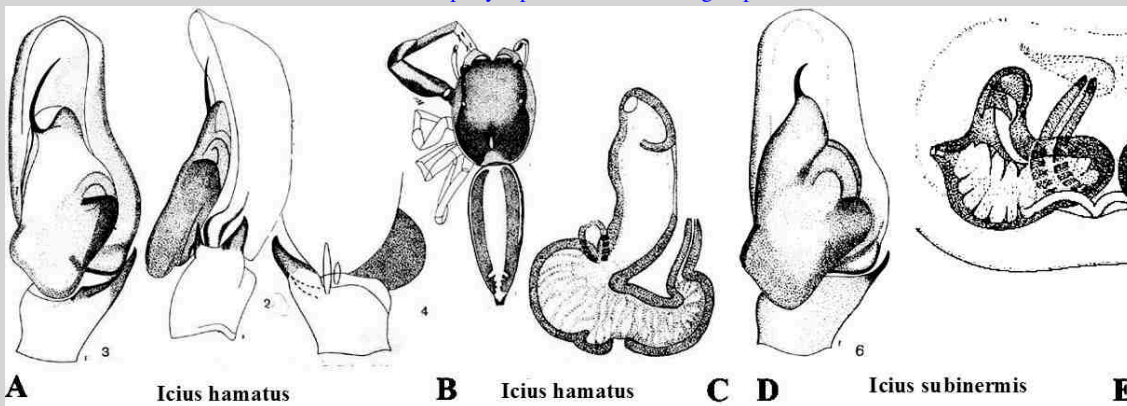
Version August 24th, 2020.



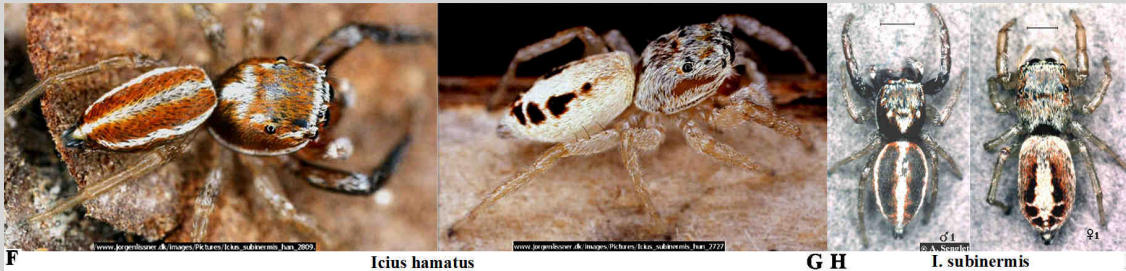
symbol of the supragroup
CHRYSILLOIDA

Composition and searching on this page. [Anarrhotus](#), [Artabrus](#), [Burmattus](#), [Cavillator](#), [Corambis](#), "Cosmophasis"-[ICINES](#) [Dasycyptus](#), [Diplocanthopoda](#), [Echinussa](#), [Hakka](#), [Helicius](#), [Huntiglenia](#), [Icius](#), [Idastrandia](#), [Jajpurattus](#), [Marchena](#), [Matagaia](#) [Padillothorax](#) [Pilia](#), [Pungalina](#), [Schenkelia](#), [Stagetillus](#), [Trite](#), [Xuriella](#). NOTE ON [Helicius-Plexippoides-Yaginumaella](#)

Exemplary representatives of the group



A *Icius hamatus* **B** *Icius hamatus* **C** **D** *Icius subinermis* **E**



F *Icius hamatus* **G** **H** *I. subinermis* **I**

A-C, F-G - *Icius hamatus*, D-E, H-I - *Icius subinermis*.

SOURCE: see below in the text, All ©copyrights are retained by the original authors and copyright holders, used by their courtesy.

Informal group of genera ICIINES

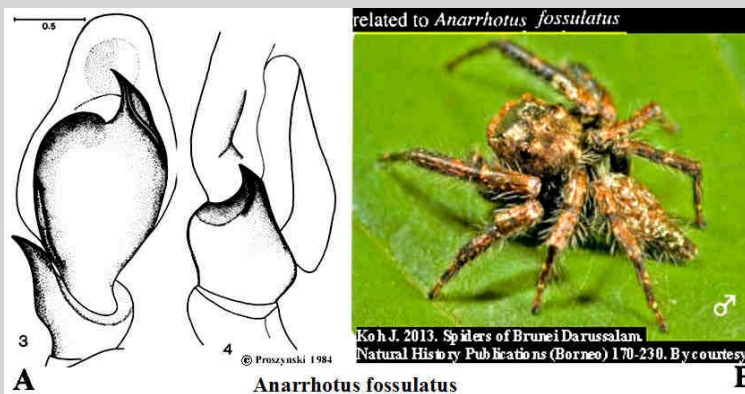
Mutual diagnostic characters of genera included. Embolus sitting atop of bulbus, or arising from its anterolateral part, spermophor translucent along retrolateral side of bulbus. Differs from CHRYSILLINES by indistinct separation of the basis of embolus from bulbus and by more complicated spermathecae. In larger genera palps may be diversified, while habitus may be more uniform.

Remark. This group of genera is split provisionally from CHRYSILLINES and HOLOPLATINES for practical reasons of being together too large to be handled conveniently. Differences between these groups are obvious when one compares type genera *Icius* and *Chryzilla*, but less convincing with some other. Pending further considerations.

Gen. *Anarrhotus* Simon, 1902

Type species *Anarrhotus fossulatus* (2 recognizable species)

See more species at [Anarrhotus-Q+M](#)



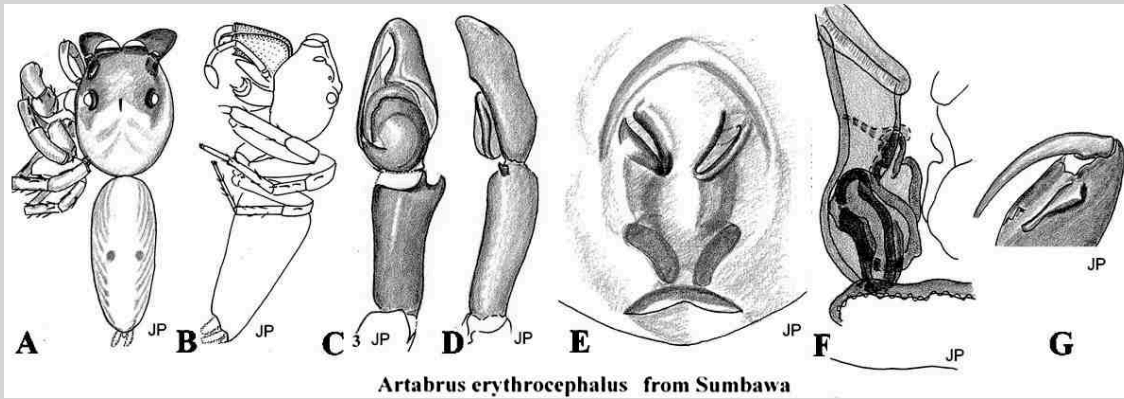
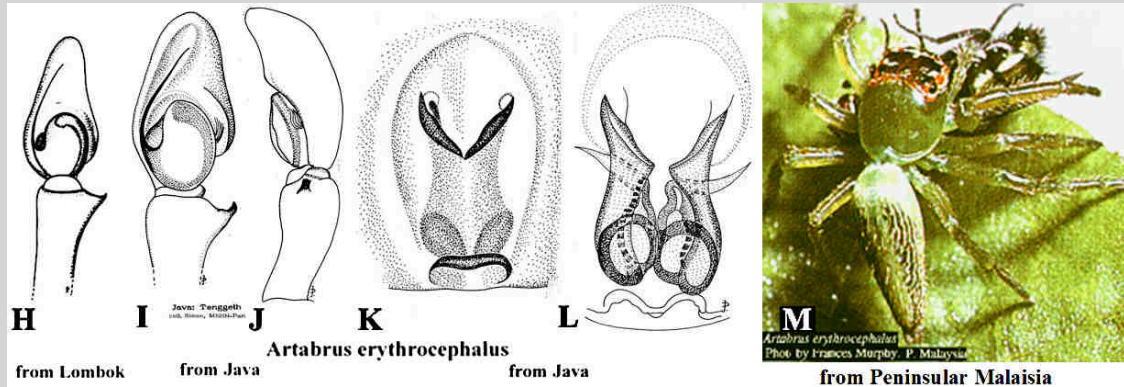
A *Anarrhotus fossulatus* **B**

related to *Anarrhotus fossulatus*

Koh J. 2013. Spiders of Brunei Darussalam. Natural History Publications (Borneo) 170-230. By courtesy.

A - *Anarrhotus fossulatus* B - *Anarrhotus* cf. *fossulatus* Brunei.

SOURCE: Prószyński 1984a, Ann. zool., 37, 16-401, figs 3, B - ©Photo Koh J. 2013: All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Artabrus* Simon, 1902Type species *Artabrus erythrocephalus* (3 recognizable species)See more species at [Artabrus-Q+M](#)**Artabrus erythrocephalus from Sumbawa**

from Lombok

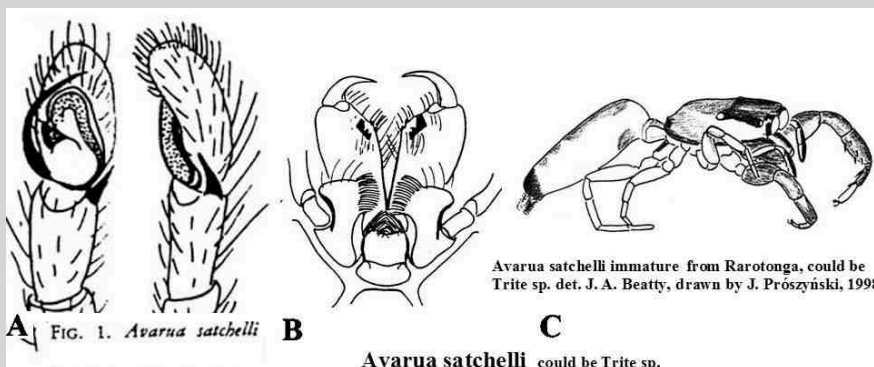
from Java

from Java

from Peninsular Malaisia

A-M - *Artabrus erythrocephalus*.

SOURCE: A-G - Prószyński, Deeleman-Reinhold, 2010. Arthropoda selecta, 19(3): 156, 1-12, H - Prószyński 1987. Atlas ..., 2-3, M - ©Photo Murphy F. and J. 2000. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy

Gen. *Avarua* Marples, 1955Type species *Avarua satchelli*. (1 recognizable species)See more species at [Avarua=Trite-Q+M](#)A) FIG. 1. *Avarua satchelli*

B

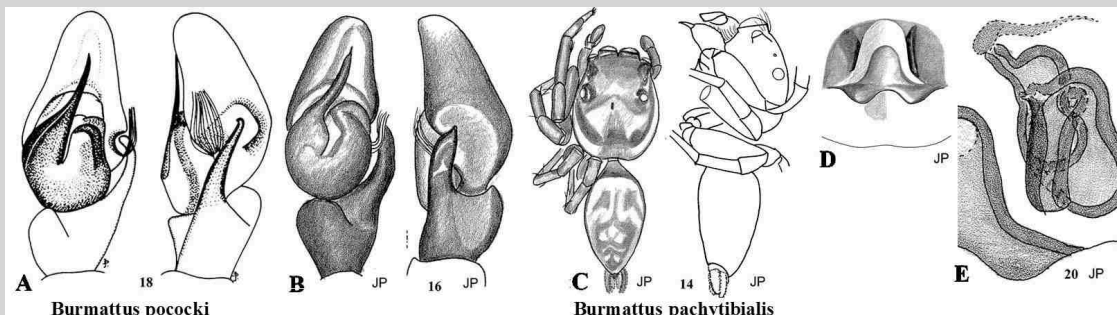
C

Avarua satchelli immature from Rarotonga, could be *Trite* sp. det. J. A. Beatty, drawn by J. Prószyński, 1998*Avarua satchelli* could be *Trite* sp.A-B - *Avarua satchelli*, C - *Avarua satchelli* from Rarotonga, immature, det. J. A. Beatty, drawn by Prószyński.

SOURCE: A-B - Żabka M. 1988b. Annales zoologici, 41 (14): 471, f 137-141, C - det. J. A. Beatty, drawn by .Prószyński - Internet Salticidae Database. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

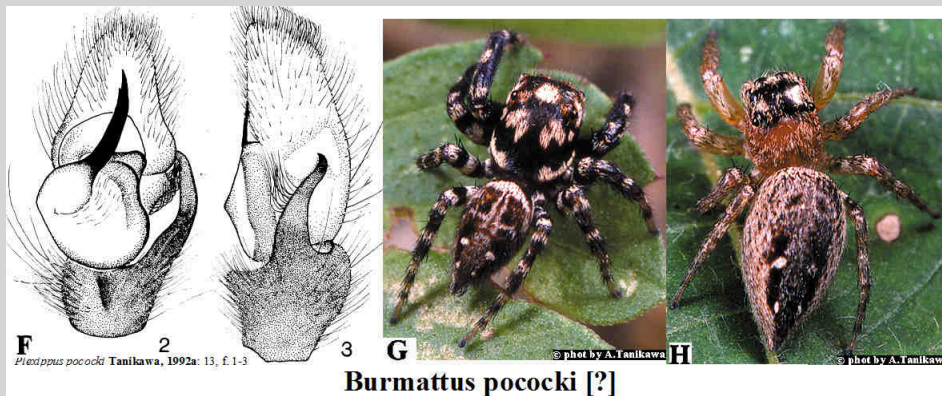
Gen. *Burmattus* Prószyński, 1992

Type species (6 recognizable species)

See more species at [Burmattus-Q+M](#)

Burmattus pococki

Burmattus pachytibialis

**Burmattus pococki** [?]

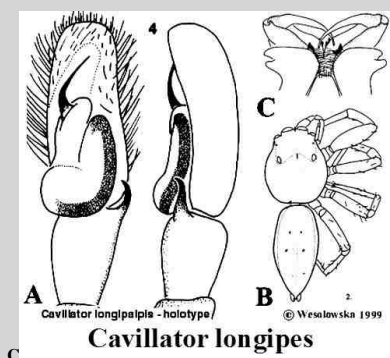
A, F-H - *Burmattus pococki*, B-C - *Burmattus pachytibialis*.

SOURCE: A-E - Prószyński & Deeleman-Reinhold, 2010. Arthr. sel., 19(3): 156-157, f 13-16, 19-20, F -Tanikawa, 1992a. *Atypus* 100: 13-16, f. 1-3, G-H - male & female ©Photo A.Tanikawa.All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Cavillator* Wesolowska, 1999

Type species *Cavillator longipes* (1 recognizable species)

See more species at [Cavillator-Q+M](#)

**Cavillator longipes**

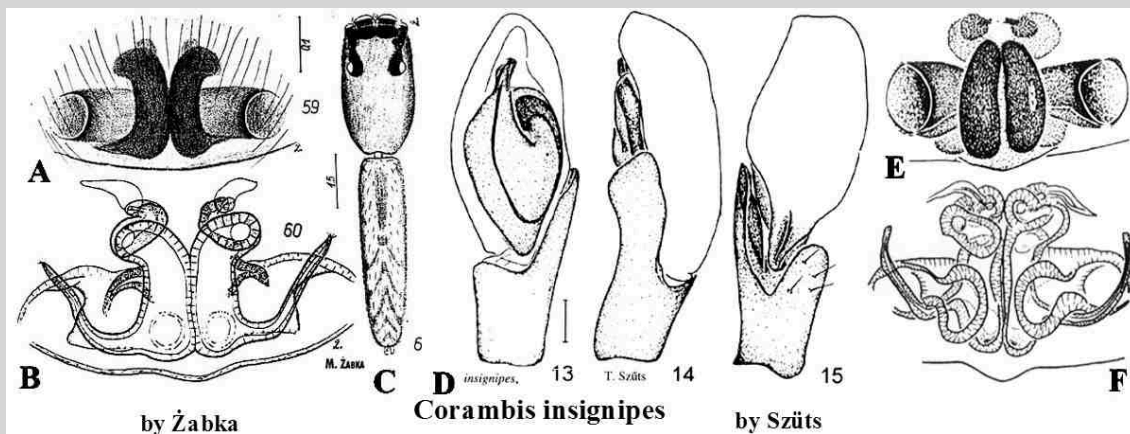
A-C - *Cavillator longipes*.

SOURCE: Wesolowska W. 1999a. *Arnoldia* Zimbabwe, 10(15): 147, f 1-4.All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Corambis* Simon, 1901

Type species *Corambis insignipes* (2 recognizable species)

See more species at [Corambis-Q+M](#)

**Corambis insignipes**

A-G - *Corambis insignipes*: male and female

SOURCE: A-C - Żabka 1988b. *Ann. zool.*41 (14): 443, f. 59-61, D-G - Szűts T. 2002b. *Folia entomol. hungarica*, LXIII: 26-29, figs 1-4, 6-9, 11-18. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

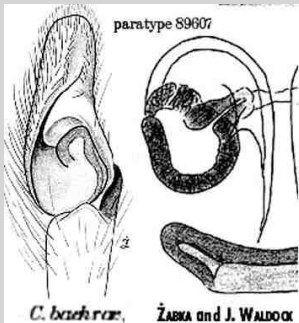
Gen. *Cosmophasis* Simon, 1901- see HYLLINES

Type species *Cosmophasis thalassina*. See [Cosmophasis](#)

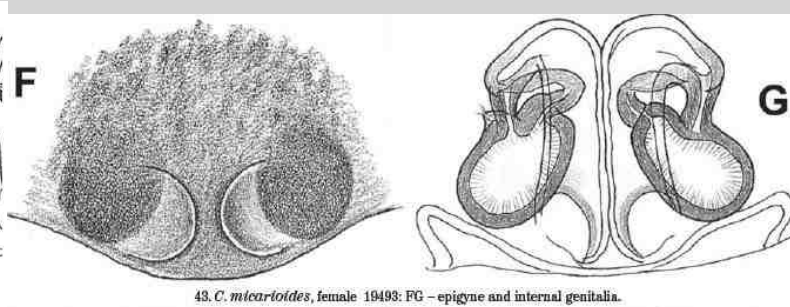
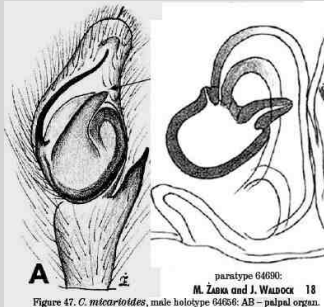
Gen. "*Cosmophasis*"- ICINES Simon, 1901- ICINES

Representative species *Cosmophasis micarioides*

see more at [Cosmophasis \[remaining groups\]-Q+M](#)



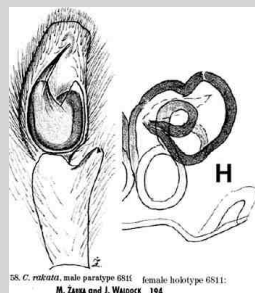
C4 - *Cosmophasis (tristriatus) baehrae* Representative of the *Cosmophasis tristriatus* group species, containing 5 species.
SOURCE: Zabka, Waldock 2012. ©Ann. zool.: 62(1): 128-129, f 32-35. All ©copyrights are retained by the original authors and copyright holders, used here by their courtesy.



C2 - C2 - *Cosmophasis micarioides* - Male + female representative species of the *Cosmophasis micarioides* group of species, containing 7 species differing by palp and internal structures of epigyne.
SOURCE: Zabka, Waldock 2012. ©Ann. zool.: 62(1): 130-131, f 39-48, 62. All ©copyrights are retained by the original authors and copyright holders, used here by their courtesy.



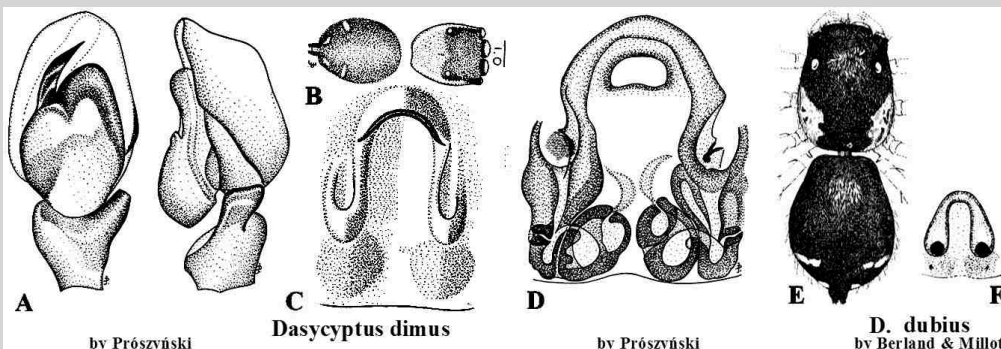
cosmophasis_micar_ph_3
cosmophasis_micar_ph_1 cosmophasis_micar C2 - C2 - *Cosmophasis micarioides*: [?] - various species labelled tentatively Zabka, Waldock 2012. Male + female.
SOURCE: Zabka, Waldock 2012. Male + female ©Ann. zool.: 62(1): 130-131, f 39-48, 62. All ©copyrights are retained by the original authors and copyright holders, used here by their courtesy.



C3 - "*Cosmophasis*" (*rakata*) *rakata*
SOURCE: Zabka, Waldock 2012. ©Ann.zool.: 62(1): 134-135, f 57-59, 62D.
All ©copyrights are retained by the original authors and copyright holders, used here by their courtesy.

Gen. *Dasycyptus* Simon, 1902

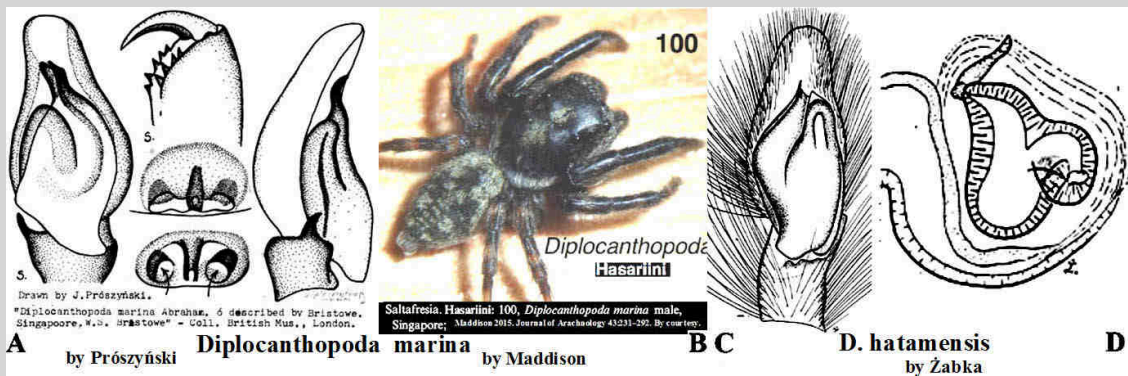
Type species *Dasycyptus dimus* (2 recognizable species)
See more species at [Dasycyptus-Q+M](#)



A-D - *Dasycyptus dimus*, E-F - *D. dubius*.
SOURCE: A-D - Prószyński 1987: Atlas ...: 20, C-D - Prószyński 2003a . Ann. zool.,39-42, figs 113-114, 21, E-F - Berland L., Millot J. 1941. Mem. Mus. Nat. Hist. Natur.: 359, figs. 59, 60. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Diplocanthopoda* Abraham, 1925

Type species *Diplocanthopoda marina* (2 species)
See more species at [Diplocanthopoda-Q+M](#)



A - *Diplocanthopoda marina*, B - same, C-D - *Diplocanthopoda hatamensis*.

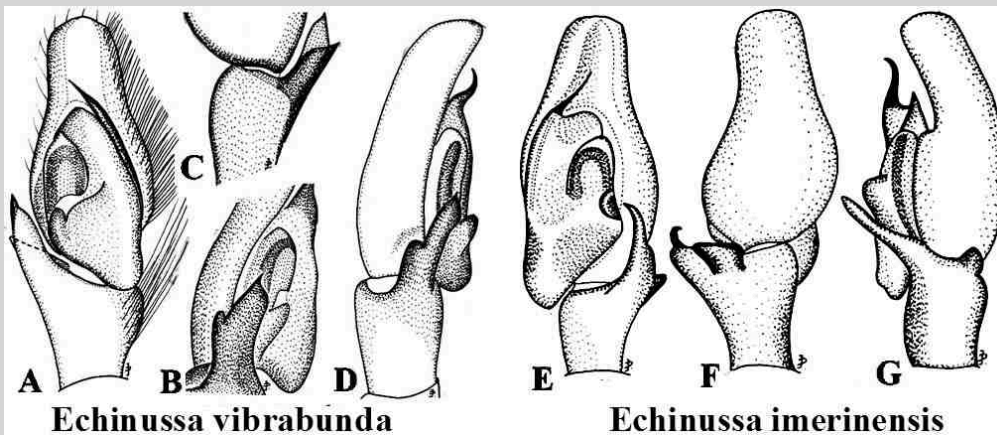
SOURCE: **A** - Prószyński J. 1984a Atlas: ... *Zeszyty Naukowe Wyższej Szkoły Rolniczo-Pedagogiczne, Siedlce* 2:35, **B** - Maddison 2015. *Journal of Arachnology*. 43: 231-292, f. 100, **A-D** - Żabka 1988b. *Annales zoologici*, 41 (14): 448-450, ff. 74-79. All

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NOTE: "*Diplocanthopoda marina* ... when the tide comes in, the spider retreats to a small hole in the rock and seals the entrance with silk. ... When resting, these spiders can resemble small crabs occupying the same habitat." (Murphy & Murphy 2000: 355).

Gen. *Echinussa* Simon, 1901

Type species *Echinussa vibrabunda* (3 recognizable species)
See more species at [Echinussa-Q+M](#)

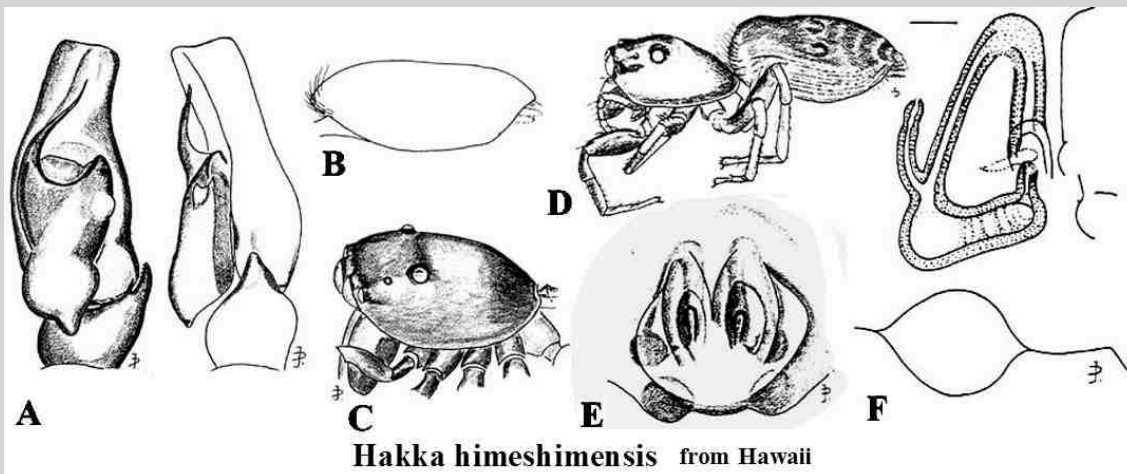


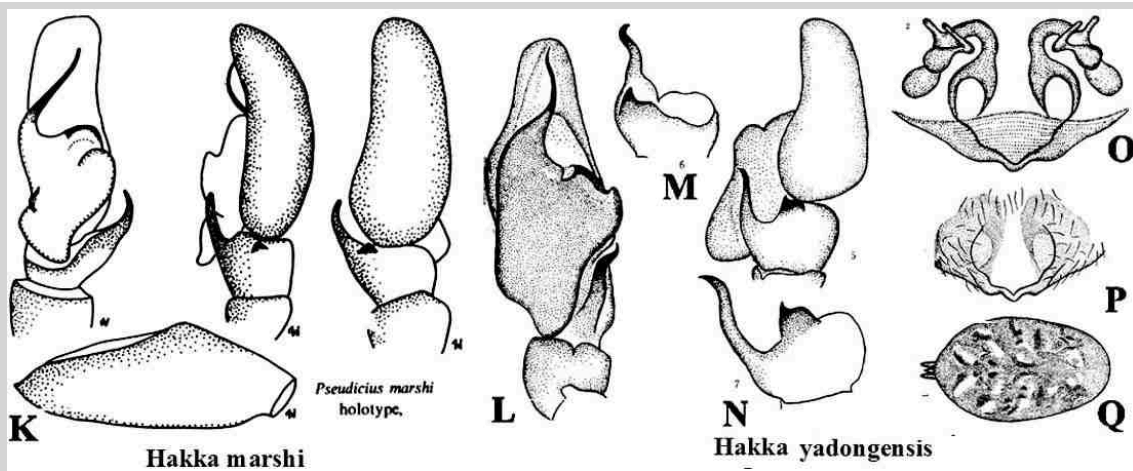
A-D - *Echinussa vibrabunda*.

SOURCE: **A-G** Prószyński 1987: 20. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Hakka* Berry & Prószyński, 2001

Type species *Hakka himeshimensis* (3 recognizable species)
See more species at [Hakka-Q+M](#)





A-F - *Hakka himeshimensis* from Hawaiian: palps, male abdomen and carapace, female side view, epigune and one spermatheca with duct, **G-I** - specimens from USA: male, female and palp, specimens - , USA specimens: male, female, palp & **J** - environment in USA, **K** - *Hakka* [?] *marshi* from S Africa, **L-Q** - *Hakka yadongensis* Qinghai-Tibet Plateau.

SOURCE: **A-F** - Berry, Prószyński 2001. J. Arachn. 2001, vol. 29(2): 201-204, figs 1-7, **G-J** - Kaldari, Edwards, Walton 2011: *Peckhamia* **94.1**: 1-6.: f. 1, 2A-B. **K** - Wesolowska W. 1986. Annales zoologici, 40, 1: 230, f 862-865, **L-Q** - Hu J., 2001. Spiders in a. Henan Science and Technology Publishing House: 399, f 247.1-7. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

NOTE ON GENERA *Helicius*, *Plexippoides* and *Yaginumaella* created by Prószyński, 1976

Long term research project of revision of system of Salticidae (precise definitions and placement of genera into subfamilies) carried on during years 1960-1990 by Prószyński during short visits in a number of arachnological collections of the world, and on types borrowed by mail, resulted in revisions of **hundreds** of type species of genera (and subfamilies), exceeding possibility of publishing final papers. To preserve them from oblivion and to make them accessible to arachnologist, graphic documentation of main diagnostic characters were published in TEMPORARY Atlases (Prószyński 1984 and 1987), accompanied only by texts of original labels and, in some cases, one line comments on proposed reclassifications. In spite of irregular form of publications, these revisions and reclassifications were accepted by Platnick's Catalogs and their present continuation - the Internet World Spider Catalog. The precedent of acceptance of such revision was not extended to the first case of such TEMPORARY delimitation of genera *Helicius*, *Plexippoides* and *Yaginumaella* Prószyński, 1976, by Brignolli 1983 who did not realize the importance of that project, and that is still followed by World Spider Catalog. This was caused by scattering of accompanying captions, separately from diagnostic drawings (new names of genera are listed on pages 16-17, with indication of their type species in the footnotes of these pages, diagnostic drawings - fig. 373-382, 424-437, their original labels are quoted on page 186-187). While procedure of delimiting these genera was highly irregular (although understandable in the peculiar situation of the author at that time, endangered by perspective of not publishing any paper), the case deserves reinterpretation of the ICZN rules (intended to prevent recognition of taxa described by incompetent, incidental authors - which cannot be said on Prószyński, already considered an authority at that time), because of high quality of graphic documentation, unsurpassed during subsequent 43 years. The paper of Prószyński, 1976, although looks primitive, had influenced significantly development of taxonomy of Salticidae and is still quoted as modern reorientation of placement of 60 genera in revised subfamilies (see Maddison 2015: 231, Zhang J. & Maddison 2015: 938 (1): 4). The delimitation of three Japanese genera was done on request of T. Yaginuma, the authority on Japanese spiders, and was quickly communicated to arachnologist interested in taxonomy of Salticidae. *Yaginumaella* was studied further by Żabka (1981), who on request of Prószyński included also remarks on *Helicius*. Yaginuma himself used these genera in his book *Spiders of Japan in color* (1986),

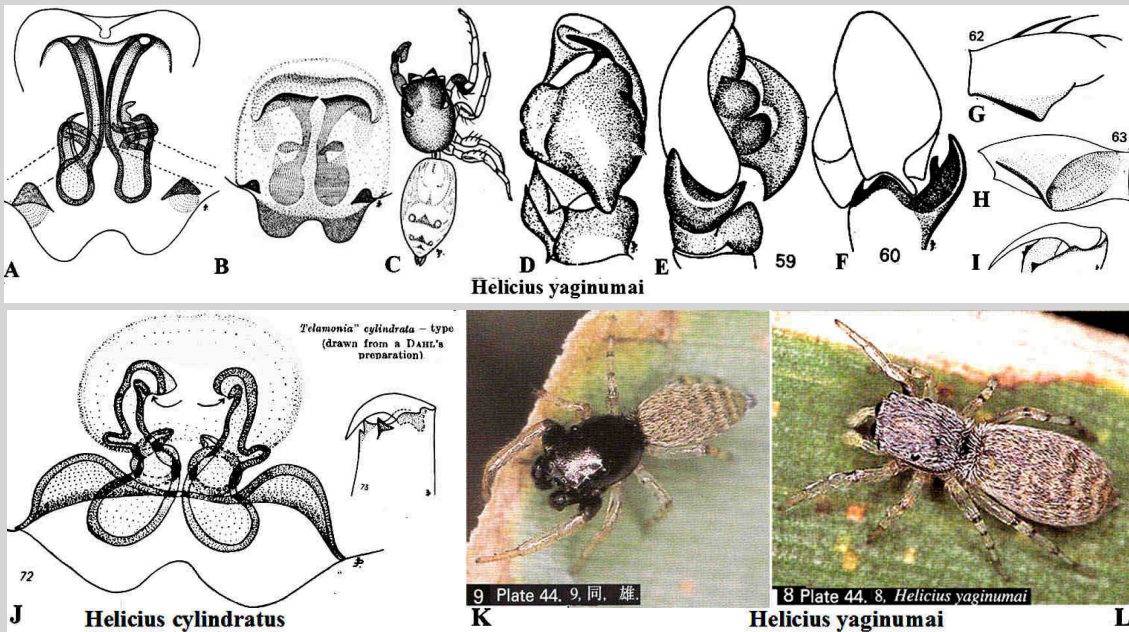
they were used by other Japanese authors of that decade. Prószyński himself was ready to publish extensive paper on taxonomy of Japanese spiders only in 1987 (Bohdanowicz & Prószyński, 1987), his "irregular" publishing of these genera in 1976 speeded up their usage for 11 years. Whatever is being said about formal aspect of publication, delimitation of these genera is intellectual property of J. Prószyński.

Gen. *Helicius* Prószyński, 1976 [Żabka, 1981b: 38*]

Type species *Helicius cylindratus* (4 recognizable species)

See more species at [Helicius-Q+M](#)

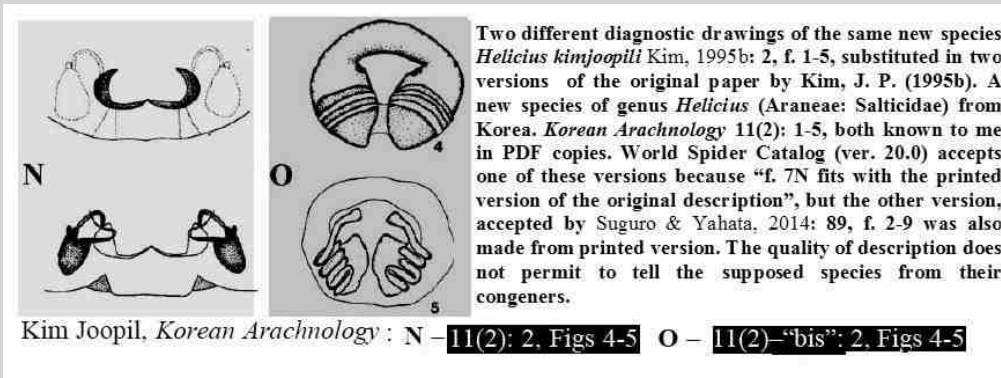
* NOTE: See explanatory note on delimitation of this genus above.



A-I, K-L- *Helicius yaginumai* : Prószyński 1976: 186 , figs 373-382, **J -- *Helicius cylindratus*** : Prószyński J. 1973b. [Type specimen in Dahl's permanent slide].

SOURCE: **A-I** Prószyński 1976: 186 , figs 373-382, **J** - Prószyński J. 1973b. Ann. zool., 30: 125, figs 72-73, **K-L** - © Ono, Ikeda, Kono. Salticidae of Japan. Tokai University Press, 2009: 568, pl 44-8-9. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

"HELICIUS" ERROR



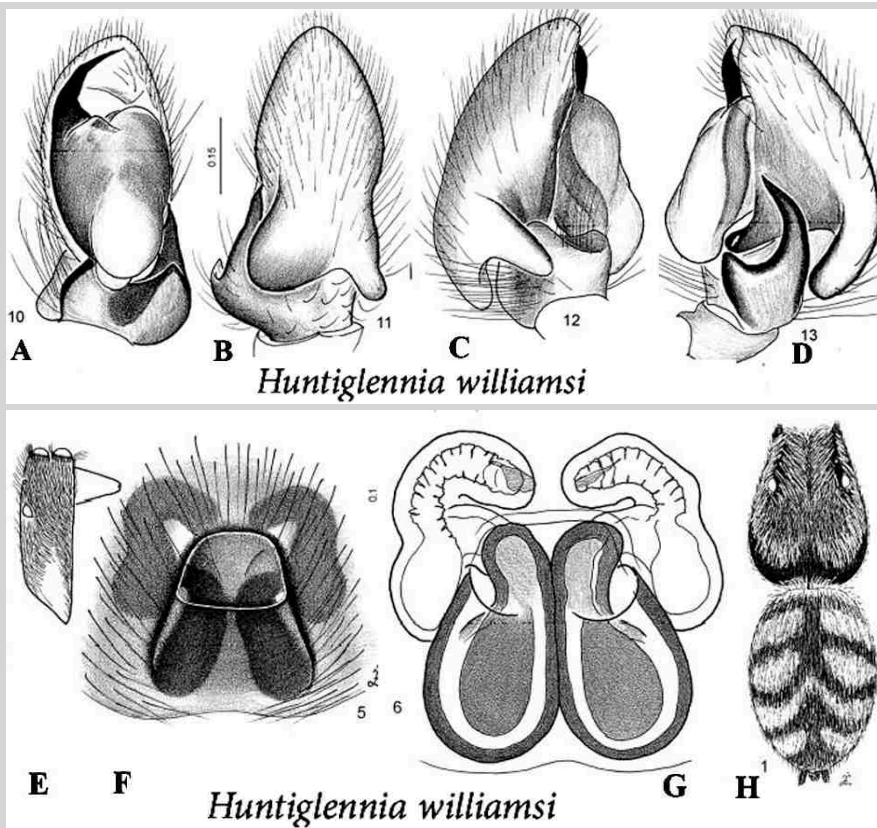
N-O - Existence of **two original versions** of publication of Kim, J. P. (1995b), presenting two different species as *Helicius kimjoopili* Kim, 1995b (marked **N** and **O** above), and in absence of type specimen, forces to strike the description as invalid, and to declare name *Helicius kimjoopili* Kim, 1995b a nomen nudum, which extends to its subsequent combinations *Pseudicius kimjoopili*: Suguro & Yahata, 2014 and *Nandicius kimjoopili*: Prószyński, 2016.

SOURCE: Prószyński, J. (2016). *Ecologica Montenegrina* 7: 4-32. All ©copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Huntiglenia* Żabka, Gray, 2004

Type species *Huntiglenia williamsi* (1 recognizable species)

See more species at [Huntiglenia-Q+M](#)



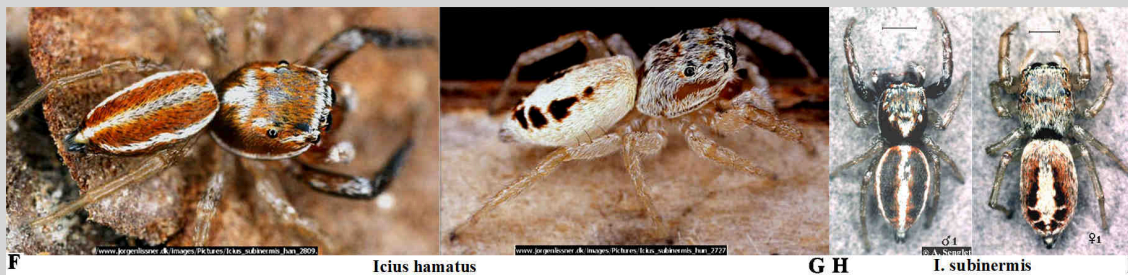
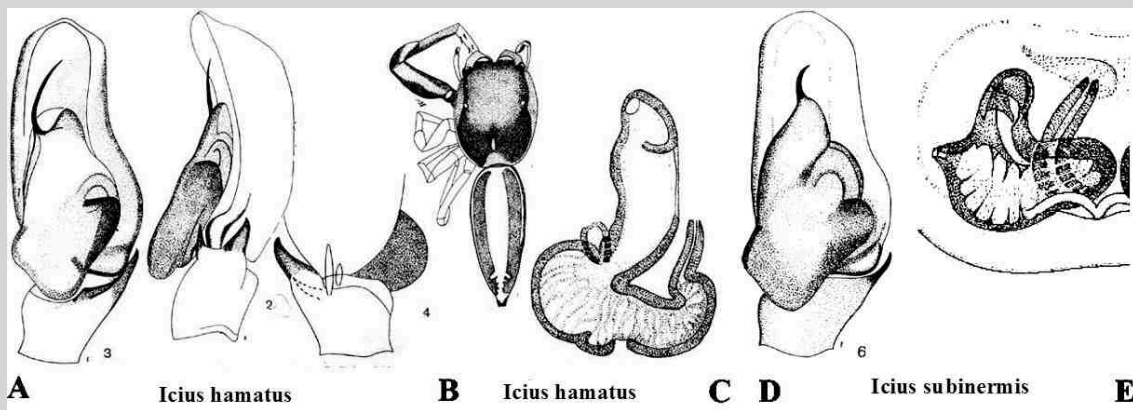
A-H - *Huntiglenia williamsi*.

SOURCE: Żabka, Gray 2004. Annales zoologici. 54(3): 587-590, f 1-14. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Icius* Simon, 1876

Type species *Icius hamatus* (26 recognizable species)

See more species at [Icius-Q+M](#)



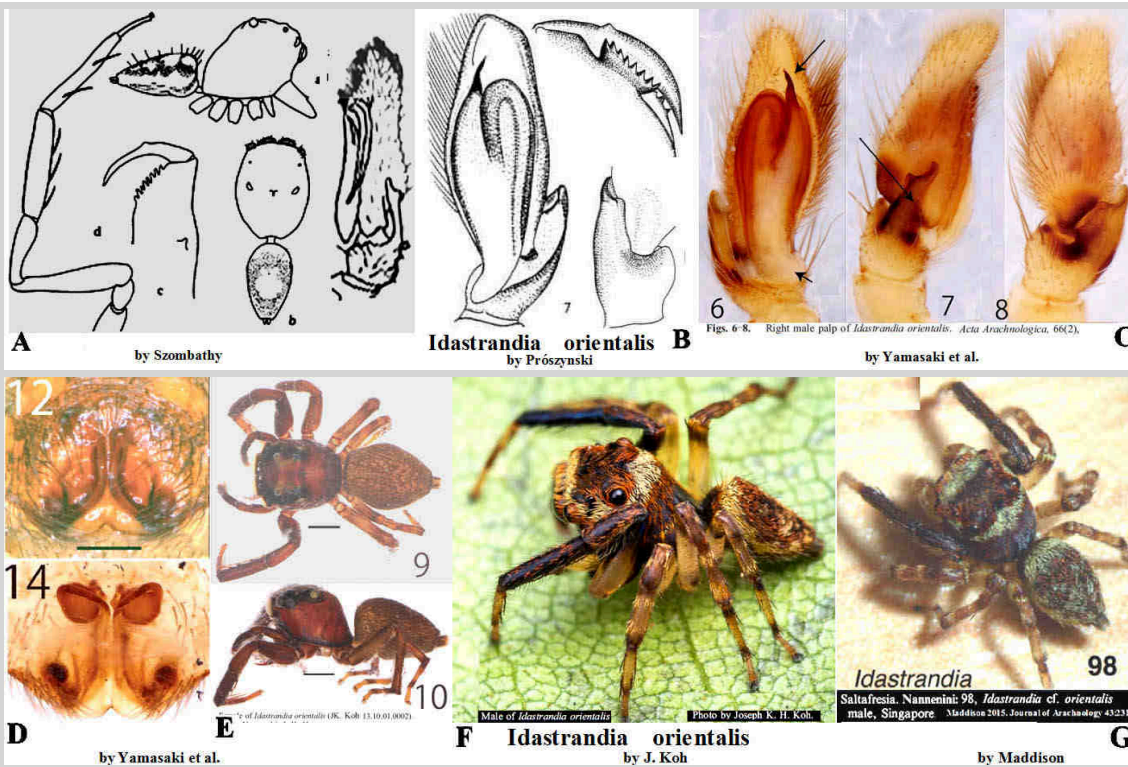
A-C, F-G - *Icius hamatus*, **D-E, H-I** - *Icius subinermis*.

SOURCE: **A-D** - Prószyński J. 1976: f 396-402., **D-E** - Andreeva, Heciak, Prószyński. 1984. Ann. zool., 3, 13: 350, f. 1-5, **F-G** - ©Photo J. Lissner, **H-I** - ©Photo A. Senglet. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Idastrandia* Strand, 1929

Type species *Idastrandia orientalis* (1 recognizable species)

See more species at [Idastrandia-Q+M](#)

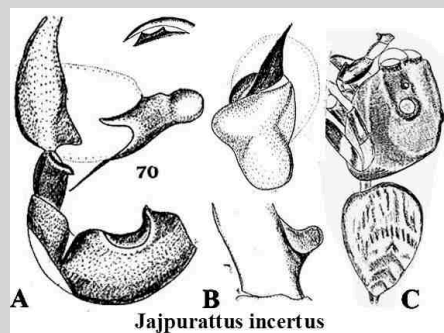
**A-G - *Idastrandia orientalis*.**

SOURCE: A - Szombathy, K. 1915. *Ann. hist.-nat. Mus. nat. Hung.*, 13: 474-475, f. 5, B - Prószyński 1983b. *Folia ent. hung.*, XLIV, 2: 284-287, f 7-10, C-E - Yamasaki, T., Koh, J. K. H. & Court, D. J. (2017). *Acta Arachnologica* 66(2): 81-85, 81, f. 1-4, 6-17, F - ©photo J. K. H. Koh, G - ©photo Maddison. *Journal of Arachnology*. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Jajpurattus* Prószyński, 1992

Type species *Jajpurattus incertus* (1 recognizable species)

See more species at [Jajpurattus-Q+M](#)

**A-C - *Jajpurattus incertus*:**

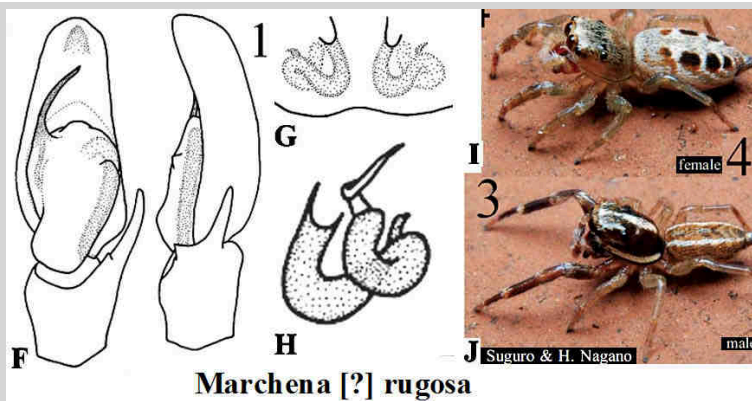
SOURCE: Prószyński J. 1992b. *Ann. zool.* 44, 9: 182, f 67-71, All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Marchena* Peckham, Peckham, 1909

Type species *Marchena minuta* (1 recognizable species)

See more species at [Marchena-Q+M](#)



**Marchena [?] rugosa**

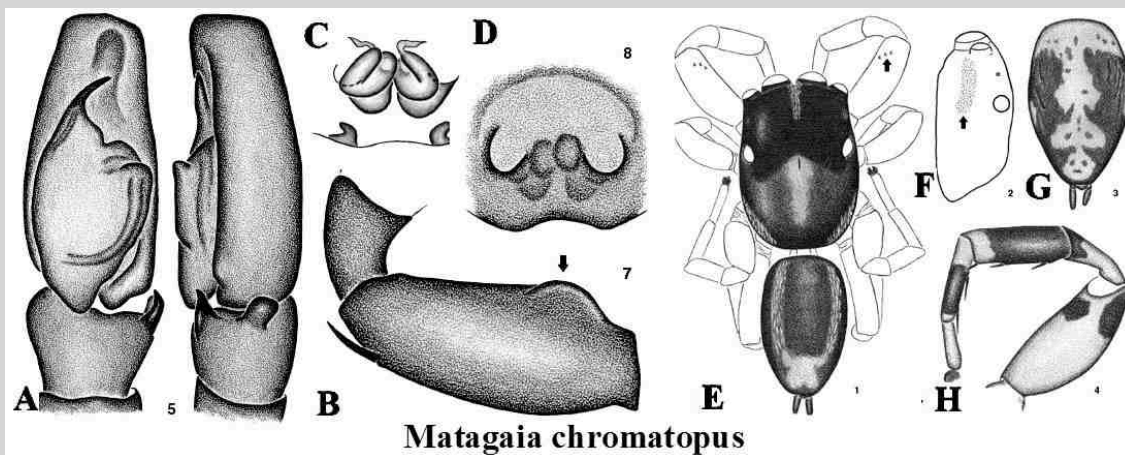
A-E - *Marchena minuta*, **F-J** - *Marchena [?] rugosa*, comb. n (syn. *Icius rugosus*)

SOURCE: **A-E** - Maddison 1987. *Bulletin of the British Arachnological Society* 7: 101, ff. 1-5, 9-10, **F-J** - Suguro & Nagano, 2015: *Acta Arachnologica*, Tokyo 64(2): 92, f. 1-13. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

COMMENT: Transfer based on vague similarity (poor drawings F-H, of which G-H are dissimilar to *Icius*) but allowed by similarity of figs D-E and I-J. By the way, drawings A-C testify to big artist potential of their author, and that he was able to write decent taxonomic papers, gifts rare among molecular phylogeny practitioners).

Gen. *Matagaia* Ruiz, Brescovit & Freitas, 2007

Type species *Matagaia chromatopus* (1 recognizable species)

**Matagaia chromatopus**

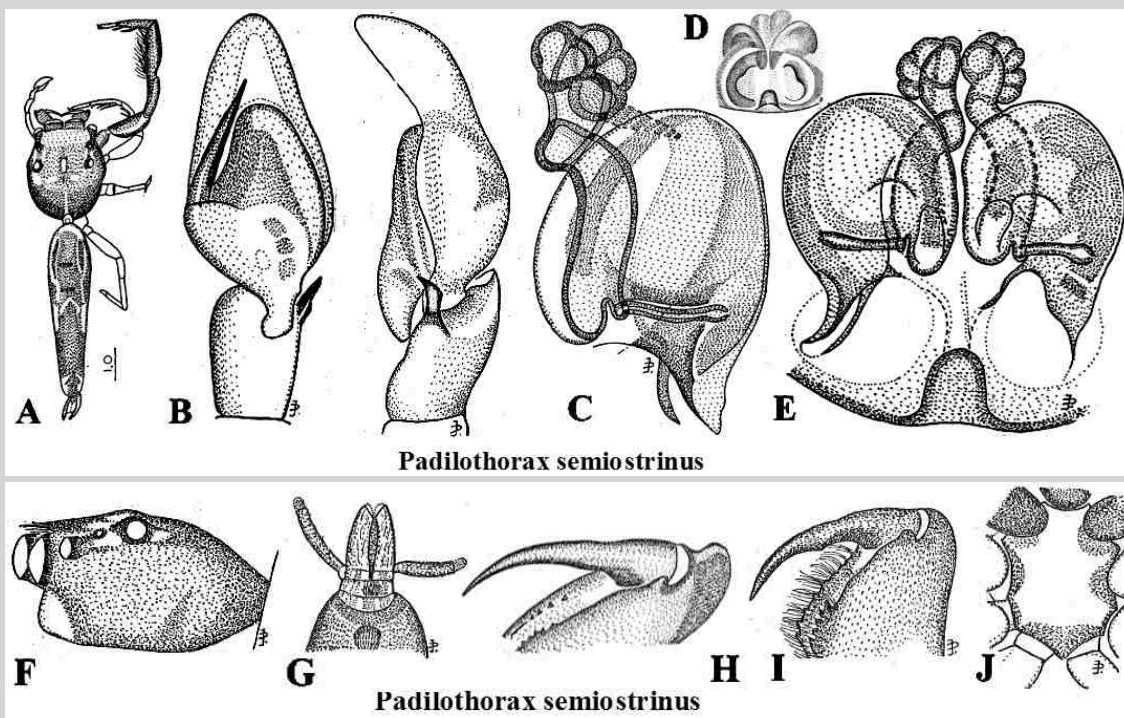
A-E - *Matagaia chromatopus*.

SOURCE Ruiz, Brescovit, Freitas 2007. *Revista Brasileira de Zoologia* 24: 772, f. 1-9. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Padillothorax* Simon, 1901

Type species *Padillothorax semiostrinus* (2 recognizable species)

See more species at [Padillothorax-Q](#)

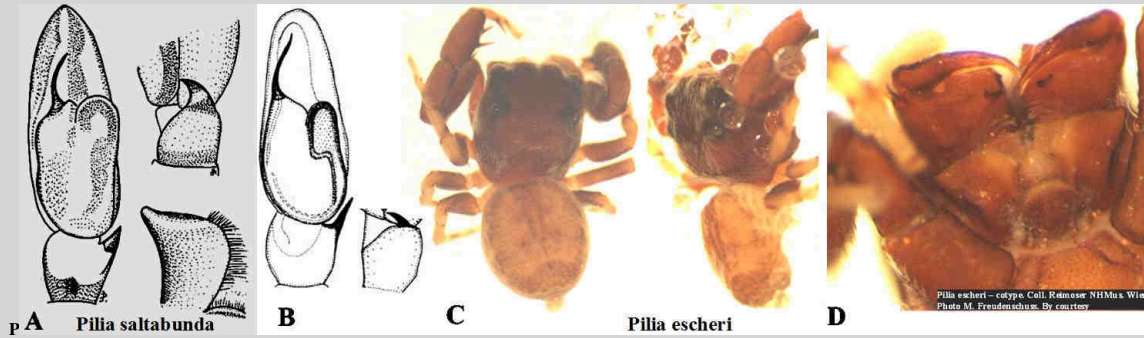
**Padillothorax semiostrinus**

A-J - *Padillothorax semiostrinus*, syntypes kept in MNHN in Paris.

SOURCE: Proszynski (2018b). Review of genera *Evarcha* and *Nigorella*, with comments on *Emertonius*, *Padillothorax* [sic], *Stagetillus*, and description of five new genera and two new species (Araneae: Salticidae). *Ecologica Montenegrina* 16: 174, f. 28F-L. All ©copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Pilia* Simon, 1902

Type species *Pilia saltabunda* Simon, 1902 (3 recognizable species)
See more species at [Pilia-Q+M](#)

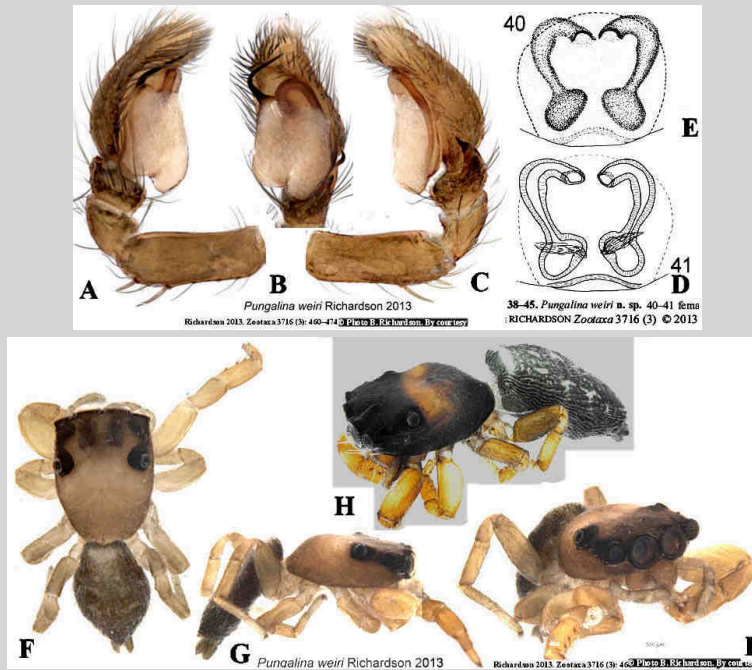


A - *Pilia saltabunda*, **B** - *Pilia escheri* "Cotype ... Indien: Karachi Valley, Escher" Samm. Reimoser, Mus. Wien".

SOURCE A- Prószyński 1987: Atlas ...: 77, B-Prószyński J. 1983b. Folia entomologica hungarica, XLIV, 2: 287, f. 13-15. C-D F - ©photo M. Freudenschuss., All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Pungalina* Richardson 2013

Type species *Pungalina weiri* Richardson 2013 (1 recognizable species)
See more species at [Pungalina-Q+M](#)

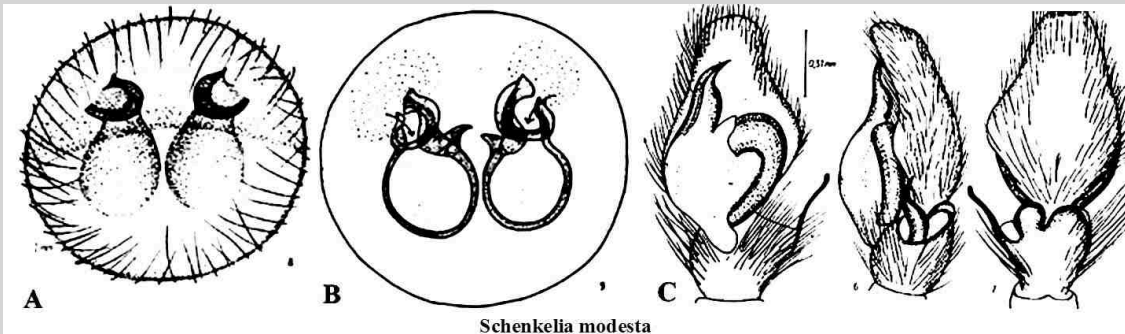


A-I - *Pungalina weiri*.

SOURCE: Richardson 2013. Zootaxa 3716 (3): 472-473, f 10, 39-46 [NOTE: photos in standard positions would facilitate comparison]. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Schenkalia* Lessert, 1927

Type species *Schenkalia modesta* (6 recognizable species)
See more species at [Schenkalia-Q+M](#)

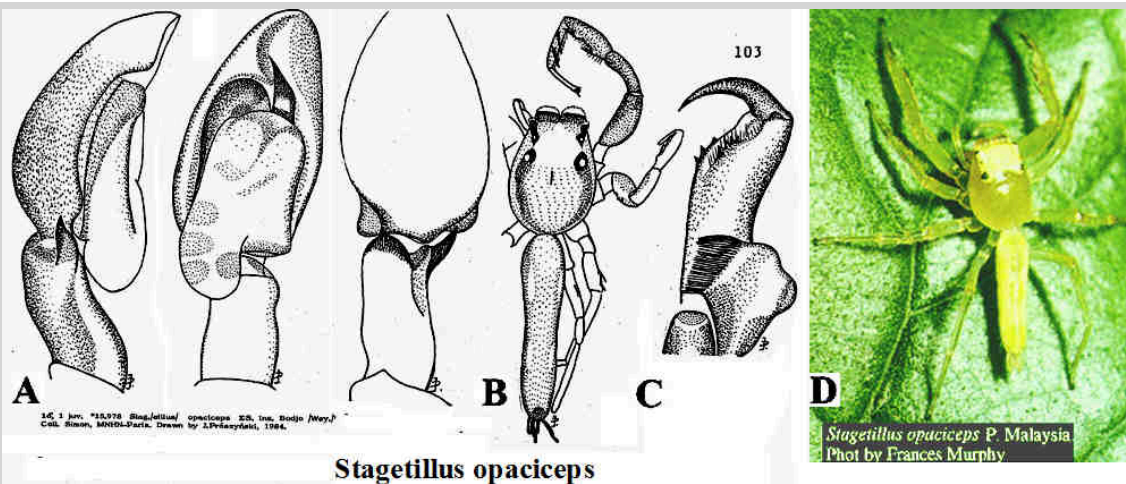


A-C - *Schenkalia modesta*.

SOURCE: Prószyński J. 1968b. Ann. zool. 26: 217-221, f 1-9. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Stagetillus* Simon, 1885

Type species *Stagetillus opaciceps* (1 species)
See more species at [Stagetillus-Q+M](#)



Stagettillus opaciceps

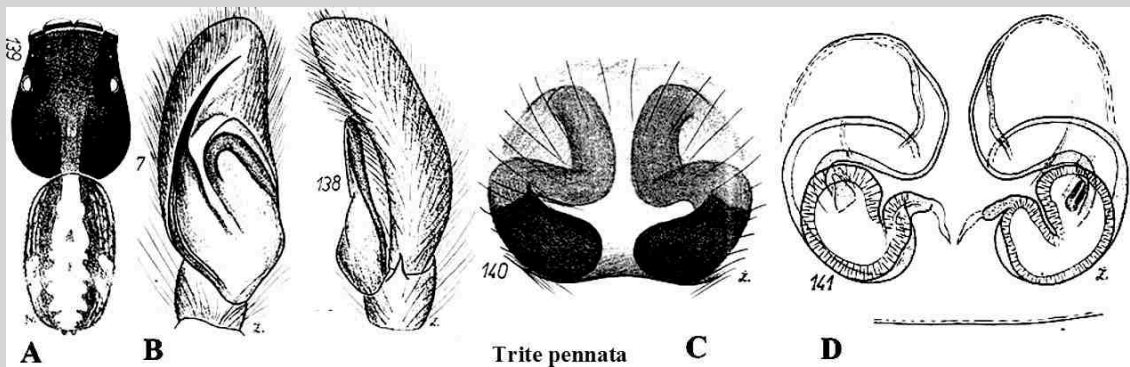
A-C - *Stagettillus opaciceps*.

SOURCE: Prószyński 1987. Atlas ...: 103. D - ©Phot Murphy F. and J., 2000. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Trite* Simon, 1885

Type species *Trite pennata*. (13 recognizable species)

See more species at [Trite-Q+M](#)



Trite pennata

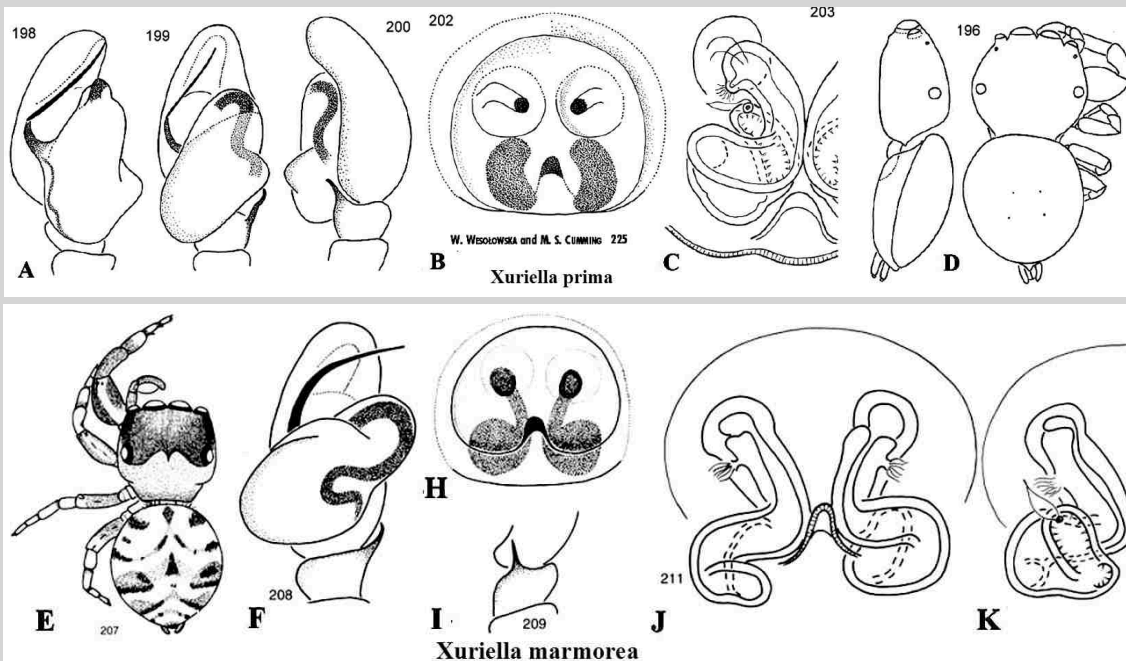
A-C - *Trite pennata*.

SOURCE: Żabka M. 1988b. Annales zoologici, 41 (14): 471, f 137-141. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.

Gen. *Xuriella* Wesołowska, Russell-Smith, 2000

Type species *Xuriella prima* (2 recognizable species)

See more species at [Xuriella-Q+M](#)



Xuriella marmorea



A-D - *Xuriella prima*, **E-M** - *Xuriella marmorea*.

SOURCE: **A-D** - Wesolowska & Cumming, *Annales Zoologici*, 2008: 58: 224, f. 196-204, **E-K** - Wesolowska W., van Harten 2007. *Fauna of Arabia* 23: 262-265, f. 207-212, phots 31-32. **L-M** - ©Phot B. Knoflach. All ©Copyrights are retained by the original authors and copyright holders, used by their courtesy.