



## Revision of the genus *Omalaspis* Giraud, 1860 (Hym.: Figitidae: Aspicerinae)

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### Abstract

*Omalaspis* Giraud, 1860, is a genus of Aspicerinae (Hymenoptera: Cynipoidea: Figitidae) with a Holarctic distribution. The diagnostic characters that differentiate *Omalaspis* from morphologically similar genera are described. From the thirteen known species of *Omalaspis* only *O. cavroi* (Hedicke, 1914), *O. latreillii* (Hartig, 1840), *O. norica* Giraud, 1860 and *O. orientalis* Belizin, 1968 are valid species. All these species are redescribed. *Omalaspis nigra* (Hartig, 1840) and *O. abnormis* (Kieffer, 1901) are synonymized with *O. norica*, and *O. ruficornis* Thomson, 1877 is synonymized with *O. latreillii*. *Omalaspis laevis* Hedicke, 1914 belongs to *Xyalaspis*, *O. davydovi* Belizin, 1927 is considered as ‘*incertae sedis*’ and *O. carinata* (Kieffer 1901) ‘*species dubia*’. Three species are considered as *species inquirenda*: *Omalaspis femoralis* Ionescu, 1963 (which belongs to Diapriidae), *O. convexa* Kierych, 1985 and *O. sulcata* (Kieffer, 1901). Six new species are described: *O. asiatica* Ros-Farré & Pujade-Villar **n. sp.**, *O. brandaoi* Pujade-Villar & Ros-Farré **n. sp.**, *O. curvilineata* Ros-Farré & Pujade-Villar **n. sp.**, *O. gibsoni* Ros-Farré & Pujade-Villar **n. sp.**, *O. niponica* Ros-Farré & Pujade-Villar **n. sp.** and *O. villemantae* Pujade-Villar & Ros-Farré **n. sp.** The diagnostic characters of all species are illustrated and a key to differentiate them is given. A new character is defined here exclusive to *Omalaspis* within the Aspicerinae, the supra-torular impression.

**Key words:** Hymenoptera, Figitidae, Aspicerinae, *Omalaspis*, revision, new species, new combination

### Introduction

The Figitidae includes 11 subfamilies (Ros-Farré & Pujade-Villar, 2007; Buffington & Liljeblad, 2008): Parnipinae, Thrasorinae, Charipinae, Figitinae, Anacharitinae, Emarginae, Pycnostigminae, Eucoilinae, Plectocynipinae, Euceroptrinae and Aspicerinae. The Aspicerinae is a monophyletic subfamily, supported by several morphological features (Ros-Farré et al., 2000), including the facial impression and the distinctly saddle-shaped third abdominal tergum. The subfamily Aspicerinae has a Holarctic distribution, their biology is still weakly known. According to Ros-Farré (2007), eight genera are included in Aspicerinae: *Balna* Cameron, *Prosaspicera* Kieffer, *Aspicera* Dahlbom, *Paraspicera* Kieffer, *Anacharoides* Cameron, *Omalaspis* Giraud *Callaspidia* Dahlbom and *Pujadella* Ros-Farré; morphological differences between these genera are described in Ros-Farré (2007). Several studies have been made to address the taxonomic chaos within aspicerines and the limited knowledge of their biodiversity. *Prosaspicera* was revised by Ros-Farré & Pujade-Villar (2007), *Anacharoides* by Buffington & Van Noort (2009), *Callaspidia* by Ros-Farré & Pujade-Villar (2009), *Balna* by Ros-Farré & Pujade-Villar (2010); *Pujadella* is a genus recently described by Ros-Farré (2007) and *Paraspicera* has recently been revised (Ros-Farré & Pujade-Villar, *in press*). *Aspicera* is currently under study and its revision will be published very soon (Ros-Farré & Pujade-Villar, *in prep.*). In this work we present the revision of *Omalaspis*.

*Omalaspis* is a poorly known genus that includes 13 nominal species: *Omalaspis abnormis* (Kieffer 1901); *O. carinata* (Kieffer 1901); *O. cavroi* (Hedicke 1914); *O. convexa* Kierych, 1985; *O. davydovi* Belizin, 1927; *O. femoralis* Ionescu, 1963; *O. laevis* Hedicke, 1914; *O. latreillii* (Hartig, 1840); *O. nigra* (Hartig, 1840); *O. norica* Giraud 1860; *O. orientalis* Belizin 1968; *O. ruficornis* Thomson, 1877 and *O. sulcata* (Kieffer, 1901). Some species previously included in this genus were moved to other genera by other authors: *Omalaspis biusta* Cameron, 1879 was synonymized with *Melanips sylvanus* Giraud, 1860 by Cameron (1890: 174), *Omalaspis floridanus* Ash-