

## SYNOPSIS

This volume includes a study of all known species of the genus *Horismenus* Walker (Hymenoptera: Chalcidoidea: Eulophidae). Four hundred (400) species are included and 348 of these, i.e. 87% of the species, are described as new. All species are listed in Appendix A. The genus is thoroughly diagnosed and described. The morphological concept of *Horismenus* is much broadened due to the addition of the numerous new species. The monophyly of *Horismenus* is demonstrated through four autapomorphies. Two keys for the identification of the species are provided, one for the females and one for the males. Each species is diagnosed, described or redescribed, including a standardized set of illustrations for each species. Host records are available for 99 species, presented in two tables, and these records show that the host spectrum for the genus is extensive. The records include both primary and secondary parasitoids. Several species show an extensive distribution, some ranging from the U.S.A. to Argentina, indicating that the distributional abilities of some of the species of *Horismenus* are very good. The genera *Alachua* Schauff & Bouček, *Edovum* Grissell and *Podkova* Gumovsky & Bouček are synonymized with *Horismenus*, **synn.nov.** The species *Horismenus urichi* Crawford is synonymized with *H. sardus* (Walker), **syn.nov.**, and *Pseudomphale eudami* Girault with *H. opsiphanis* (Schrottky) **syn.nov.** The species *Alachua floridensis* Schauff & Bouček, *Edovum puttleri* Grissell, and *Podkova hirsuta* Gumovsky & Bouček are transferred to *Horismenus*, **combs.nov.** To maintain a stable nomenclature lectotypes are designated for *Horismenus apantelivorus* Crawford, *H. balloui* Crawford, *H. cyaneoviridis* Girault, *H. macrogaster* Girault, *H. urichi* Crawford, *Perhymenes schrottkyi* Brèthes, *Pseudomphale eudami* Girault, *Ps. graciliventrif* Girault, *Ps. hypatia* Girault, *Ps. steirastomae* Girault.