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**A review of the Afrotropical jumping plant-lice of  
the Phacopteronidae (Hemiptera: Psylloidea)**

IGOR MALENOVSKÝ & DANIEL BURCKHARDT



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## A review of the Afrotropical jumping plant-lice of the Phacopteronidae (Hemiptera: Psylloidea)

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## Abstract

The Afrotropical jumping plant-lice of the family Phacopteronidae are revised. Thirty-one species are recognized, 18 of which are described as new (*Pseudophacopteron arcuatum* **sp. nov.**, *P. aulmanni* **sp. nov.**, *P. benguelense* **sp. nov.**, *P. bicolor* **sp. nov.**, *P. carapae* **sp. nov.**, *P. geminum* **sp. nov.**, *P. hankae* **sp. nov.**, *P. hollisi* **sp. nov.**, *P. khayae* **sp. nov.**, *P. lautereri* **sp. nov.**, *P. magnum* **sp. nov.**, *P. marmoratum* **sp. nov.**, *P. nigrifulum* **sp. nov.**, *P. serrifer* **sp. nov.**, *P. sodalis* **sp. nov.**, *P. stigmatum* **sp. nov.**, *P. tamessei* **sp. nov.** and *P. wagneri* **sp. nov.**); *Pseudophacopteron caffrariense* Capener, 1973, *P. pretoriense* Capener, 1973 and *P. zimmermanni* (Aulmann, 1912) are redescribed. A lectotype is designated for *P. zimmermanni*. All species are illustrated and keys for the identification of adults and fifth instar larvae are provided. Information is given on distribution, host plants and biology. Twenty-six species are associated with plants of the order Sapindales (= Rutales), one species has been collected on *Tabernaemontana stapfiana* (Gentianales: Apocynaceae), and four species lack reliable host data. Sympatric occurrences of several *Pseudophacopteron* species on particular host species are recorded on *Commiphora africana* from Kenya, *Dacryodes edulis* from Cameroon, *Ekebergia benguelensis* from Angola, *Khaya senegalensis* from Nigeria, and *Vepris nobilis* from Kenya and Uganda. Two large, probably monophyletic groups are recognized within the Afrotropical Phacopteronidae.

**Keywords:** *Pseudophacopteron*, taxonomy, new species, identification, morphology, distribution, host plants, Sapindales, Apocynaceae, commercial timber