

## ***Distinctaleyrodes setosus* Dubey & Sundararaj (Sternorrhyncha: Aleyrodidae), a new whitefly genus and species from India**

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### **Abstract**

*Distinctaleyrodes setosus* Dubey & Sundararaj gen. et sp. nov. (Hemiptera: Aleyrodidae) found on *Derris* sp. from Kudremukh National Park in Karnataka state of India is described and illustrated. This species is unique in the grossly swollen form of the major dorsal setae.

**Key words:** Aleyrodidae, *Distinctaleyrodes setosus*, new genus, new species, *Derris* sp.

### **Introduction**

The new whitefly genus described here shares several character states with the genera *Viennotaleyrodes* Cohic (1968) and *Extensaleyrodes* Bink-Moenen (1983). It is similar to these two genera in the presence of meso- and metathoracic setae and of submedian setae on abdominal segments 3-7, also in the elevated vasiform orifice and exposed lingula. It differs from *Viennotaleyrodes* in the differentiated thoracic tracheal pore and presence of a deeply invaginated caudal tracheal pore. It differs from *Extensaleyrodes* in the excluded caudal setae, the position of the antennae lateral to the prothoracic legs, also the well developed legs and lack of indication of tracheal folds. It resembles *Viennotaleyrodes* in the excluded caudal setae, the position of the antennae lateral to the prothoracic legs, and the undefined tracheal folds and differs in these characters from *Extensaleyrodes*. It resembles *Extensaleyrodes* in the presence of thoracic tracheal pores, the operculum filling half of the vasiform orifice, and the absence of lateral longitudinal tuberculate lines.

The new species is unique amongst known aleyrodids in the structure of the dorsal setae, each of which arises from a simple pore with a pedicel but turns sharply such that it lies parallel to the dorsal surface. The turning point of each seta is thickened, giving it the appearance of a gall, and this hides the ventral pedicel when viewed dorsally. Before the specimens were slide-mounted these setae were observed to have the form of a long hook,