

Taxonomic notes on the genus *Campiglossa* Rondani (Diptera, Tephritidae, Tephritinae, Tephritini) in India, with description of three new species

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Abstract

Three new species of *Campiglossa* Rondani are described from India: adults of both sexes and third instar larvae of *C. ialong* David, Salini & Hancock, **sp. nov.** and *C. sherlyae* David & Hancock, **sp. nov.**, plus an adult female of *C. shaktii* David, Sachin & Hancock, **sp. nov.**, are described and illustrated. Postabdominal structures, cephalopharyngeal skeleton, and anterior and posterior spiracles of *C. gemma* (Hering, 1939) and *C. sororcula* (Wiedemann, 1830) are illustrated. DNA barcode sequences of *C. ialong* **sp. nov.**, *C. sherlyae* **sp. nov.**, and *C. gemma* were obtained and reported. Records of *C. absinthii* (Fabricius, 1805) and *C. iracunda* (Hering, 1938) are regarded as misidentifications of *C. lyncea* (Bezzi, 1913) and *C. shaktii* **sp. nov.**, respectively, and excluded from the Indian fauna. A key to the known species of *Campiglossa* from India is provided. Results of preliminary phylogenetic analysis using COI revealed that *C. ialong* **sp. nov.** is paraphyletic to the *Campiglossa misella* group and *C. sherlyae* **sp. nov.** is a sister species of *C. deserta*.

Keywords

Asteraceae, *Conyza*, *Dioxyyna*, northeast India, *Sonchus*, Western Ghats