

A New Species of *Hieroglyphus* Krauss, 1877 (Orthoptera: Hemiacridinae: Acrididae) from India

R. SWAMINATHAN, T. SWAMINATHAN & RAJENDRA NAGAR

ICAR, Network Project on Insect Biosystematics,
Department of Entomology, Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and
Technology, Udaipur, Rajasthan- 313001 India.
E-mail: rajedranagar86@gmail.com, udaiswam57@gmail.com,

ABSTRACT

A new species of the genus *Hieroglyphus*, *Hieroglyphus kolhapurensis* sp. nov. (Orthoptera: Hemiacridinae; Acrididae) from India is been described. The holotype (♂) was collected from the south-western part of India: Kolhapur (Maharashtra). The key morphological characters of the head, pronotum, cerci, tegmina, hind femora, phallic complex and the epiphallus have been illustrated with suitable line drawings to distinguish the reported new species from the other species of *Hieroglyphus* complex. A key to separate the subgenera and species is also provided.

Key words: Orthoptera, Acrididae; Acridinae, New species, India

INTRODUCTION

The genus *Hieroglyphus* is represented by 12 species worldwide (Eades *et al.*, 2016), of which seven (7) are Indian species (Shishodia *et al.*, 2010). *Hieroglyphus* was described by Krauss in 1877 for the species *H. daganenis* and the variety *H. daganensis* var. *abbreviata*. Kirby (1910) recorded four species in his catalogue. Bolivar (1912) described the group Hieroglyphi, but this included other unrelated genera besides those which were considered later to belong to this group; the genus *Hieroglyphus* was re-described, three new species were added and seven were included in the key. Carl (1916) re-described the genus and added three species. Uvarov (1922) published a review of *Hieroglyphus* and its nearest allies; however, he disregarded some of the genera *Parahieroglyphus* and *Hieroglyphodes*; he also re-described *Hieroglyphus*, synonymized some species and described one new species and a variety. The genus *Parahieroglyphus* was described by Carl in 1916 for the species *P. bilineatus* and he associated it with *Hieroglyphus*. In 1922 Uvarov re-described the genus and added the species *P. colemani*. The genus

Hieroglyphodes was described by Uvarov in 1922 for the species *H. assamensis*. In 1961, Roy added a second species, *H. occidentalis*. Mason (1973) revised the genera *Hieroglyphus*, *Parahieroglyphus* and *Hieroglyphodes*. Of late, a review of the genus *Hieroglyphus* from Pakistan was done by Sultan (2012). Kumar and Usmani (2015) reported a new species of the genus *Hieroglyphus* from India, *Hieroglyphus acuticercus* Kumar and Usmani.

MATERIAL AND METHODS

The collections were made using a sweep net during field trips conducted under the ICAR Network Project on Insect Biosystematics, Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan. Specimens of certain species were taken on loan for study from the Project Centre at Gandhi Krishi Vigyan Kendra, University of Agricultural Sciences, Bangalore. Our collections in the Reference Chamber of *Kushwaha Keet Sangrahalaya* housed at Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and Technology, Udaipur,