



Taxonomic revision of *Hemidactylus brookii* Gray: a re-examination of the type series and some Asian synonyms, and a discussion of the obscure species *Hemidactylus subtriedrus* Jerdon (Reptilia: Gekkonidae)

STEPHEN MAHONY

Systematics Lab, Department of Environmental Biology, University of Delhi, Delhi 110 007, India.

E-mail: stephenmahony2@gmail.com

Table of contents

Abstract	1
Introduction	2
Material and methods	3
Taxonomic review of <i>Hemidactylus brookii sensu lato</i>	4
Morphology and variation	4
Syntypes of <i>Hemidactylus Brookii</i> Gray, 1845	5
Asian <i>Hemidactylus brookii</i> synonyms examined	5
<i>Hemidactylus Gleadowi</i> Murray, 1884	6
<i>Hemidactylus kushmorensis</i> Murray, 1884	7
<i>Hemidactylus subtriedroides</i> Annandale, 1905	7
Asian <i>Hemidactylus brookii</i> synonyms and subspecies not examined	8
<i>Gecko Tytleri</i> Tytler, 1865	8
<i>Hemidactylus Murrayi</i> Gleadow, 1887	8
<i>Hemidactylus Tenkatei</i> Lidth de Jeude, 1895	8
<i>Hemidactylus luzonensis</i> Taylor, 1915	9
<i>Hemidactylus brooki parvimaaculatus</i> Deraniyagala, 1953	9
<i>Hemidactylus mahendrai</i> Shukla, 1983	9
Taxonomic redescrptions	10
<i>Hemidactylus brookii</i> Gray, 1845	10
<i>Hemidactylus gleadowi</i> Murray, 1884	14
<i>Hemidactylus kushmorensis</i> Murray, 1884	16
<i>Hemidactylus tenkatei</i> Lidth de Jeude, 1895	20
Comparison with remaining Asian congeners	24
What is <i>Hemidactylus subtriedrus</i> Jerdon, 1853?	24
Discussion	25
Acknowledgements	28
References	28
Examined specimens	31

Abstract

The *Hemidactylus brookii* group taxon has received increased attention in recent years from systematists and taxonomists attempting to unravel the complicated issues of its synonyms. In this study, a morphological approach is adopted to re-examine the syntypes of *Hemidactylus brookii* and *Hemidactylus subtriedroides*. The syntype series of *H. brookii* is found to be composed of two morphologically distinct species. A Borneo syntype is designated as lectotype and redescribed in detail to provide taxonomic and nomenclatural stability for the species. A syntype of *H. subtriedroides* is designated lectotype and also redescribed in detail, along with additional populations, which includes the Australian paralectotype of *H. brookii sensu lato*. *Hemidactylus subtriedroides* is morphologically distinct from *H. brookii sensu stricto*, but indistinguishable from the recently elevated synonym *Hemidactylus tenkatei* with which it is here considered a junior subjective synonym. Neotypes are designated for the two Pakistan synonyms, *Hemidactylus kushmorensis* and *Hemidactylus glead-*