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## ***Brockphasma spinifemoralis* gen. et spec. nov.: a new phasmid genus and new species of Neohiraseini (Phasmida: Necrosiinae) from Vietnam**

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### **Abstract**

A new genus of stick insects, *Brockphasma* Ho **gen. nov.**, with the type-species, *Brockphasma spinifemoralis* Ho, Liu, Bresseel & Constant **spec. nov.**, is described and illustrated from Vietnam. Both sexes, the egg and the first instar nymph are described and figured. Data on the habitat and natural foodplants are provided. *Brockphasma* Ho **gen. nov.** is differentiated from other genera in Neohiraseini by spinose occiput, anterior region of mesonotum with a spinose hump and spinose anterodorsal and posterodorsal carinae of femora. A key to the genera of Neohiraseini from Vietnam is given.

**Key words:** Neohiraseini, Vietnam, new genus, new species

### **Introduction**

Neohiraseini Hennemann & Conle, 2008 is a small tribe and is principally restricted to Indo-China area (Hennemann & Conle, 2008). The tribe comprises seven genera which are recognizable by their robust and more or less spinose body and circular or oval egg structure without distinct capitulum. The tribe was first placed in Lonchodinae by Hennemann & Conle (2008). Currently Bradler *et al.* (2014) have provided compelling evidence that *Neohirasea* Rehn, 1904 (= *Paracentema* Redtenbacher, 1908) and related taxa form a subordinate lineage in Necrosiinae.

In Vietnam, the Neohiraseini are presented by four different genera, *Andropromachus* Carl, 1913 (= *Spiniphasma* Chen & He, 2000), *Cheniphasma* Ho, 2012, *Neohirasea* Rehn, 1904 and *Spinohirasea* Zompro, 2002 (Hennemann & Conle, 2008; Ho, 2013a). In this study, a new genus *Brockphasma* Ho **gen. nov.** and its type-species *B. spinifemoralis* Ho, Liu, Bresseel & Constant **spec. nov.** are described and illustrated from Vietnam. A key to the genera of Neohiraseini from Vietnam is also provided.

### **Material and methods**

The type-specimens are deposited in China Agricultural University, Beijing, China (CAU), Hong Kong Entomological Society, Hong Kong, China (HKES), Institute of Ecology and Biological Resources, Vietnamese Academy of Sciences, Hanoi, Vietnam (IEBR) and Royal Belgian Institute of Natural Sciences, Brussels, Belgium (RBINS).

Due to their nocturnal behaviour, most phasmids including the genus *Brockphasma* Ho **gen. nov.** were collected at night. A light-weight and water-proof head torch: Petzl MYO RXP was used during collecting. Females were kept alive in a mesh pop up cage (exo terra explorarium) for producing eggs. The wild caught

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