



A new species of *Cyrtodactylus* Gray, 1826 (Squamata: Gekkonidae) from Khanh Hoa province, Southern Vietnam

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Abstract

A new species of bent-toed gecko, *Cyrtodactylus yangbayensis* **sp. nov.** is described from the monsoon evergreen forests of Truong Son Mountain Range, Khanh Hoa province. It differs from all other species of Indo-Chinese *Cyrtodactylus* by having a mean SVL of 83.5 mm; dark spots and blotches on the head; no continuous nuchal loop; 6–8 precloacal pores in males arranged in a chevron; five or six dark brown, irregular, dorsal bands between limb insertions; 18–20 subdigital lamellae under first toe; 15–17 subdigital lamellae under fourth toe; and a median row of enlarged subcaudal scales.

Key words: Gekkonidae, *Cyrtodactylus*, morphology, taxonomy, new species, southern Vietnam

Introduction

At least 35 species of the gekkonid genus *Cyrtodactylus* are reported from Indochina (Smith 1935; Bauer *et al.* 2009; Nazarov *et al.* 2008; Ngo 2008; Ngo & Bauer 2008; Ngo *et al.* 2008; Rösler & Glaw 2008; Geissler *et al.* 2009; Sumontha *et al.* 2010; Ziegler *et al.* 2010). Of these, twenty species are from Vietnam, most of them described only in recent years (Smith 1935; Bobrov *et al.* 1995; Darevsky & Szczerbak 1997; Ziegler *et al.* 2002; Nguyen *et al.* 2006; Heidrich *et al.* 2007; Hoang *et al.* 2007; Orlov *et al.* 2007; Nazarov *et al.* 2008; Ngo, 2008; Ngo & Bauer 2008; Ngo *et al.* 2008; Rösler *et al.* 2008; Geissler *et al.* 2009; Ziegler *et al.* 2010). Field surveys were conducted in February 2008 and June 2009 at the monsoon evergreen forests in Hon Ba Nature Reserve and Yang Bay waterfall of Khanh Hoa province, within the Truong Son Mountain Range in Southern Vietnam. These surveys uncovered a species of *Cyrtodactylus* which can not be ascribed to any known taxon and is described herein as new.

Materials and methods

Locality data were taken with a Garmin III GPS. Specimens were photographed using a LINUX DMC-FZ30 digital camera and liver tissue was taken prior to preservation and stored in 95% ethanol. Specimens were then fixed with 10% formalin and subsequently stored in 70% ethanol. All specimens have been deposited at the Zoological Collection of the Faculty of Biology, University of Natural Sciences (UNS), Hochiminh City, Vietnam.

Measurements used follow Bauer (2003) and Grismer (2005), and were taken with calipers (to the nearest 0.1 mm): Snout–vent length (SVL: from tip of snout to vent); trunk length (TrunkL: distance from axilla to groin measured from posterior edge of forelimb insertion to anterior edge of hindlimb insertion); forearm length (ForeaL: from base of palm to tip of elbow); crus length (CrusL: from base of heel to knee); tail length