

Validation of *Parkiana* Cho, 2020 and Its Two Species, from Andasibe, Madagascar (Lepidoptera: Lecithoceridae)

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ABSTRACT

Recently, the new genus *Parkiana* (Lecithoceridae) and its two new species, *Parkiana matutinalis* and *Parkiana andasibensis*, were described by the authors from Andasibe, Madagascar. Although the morphological descriptions and figures fully characterized the new genus with two new species in that paper, the journal issue in which the description appeared was published online-only, and the ZooBank LSID, required for validation of new names in electronic-only publications, was not included. Therefore, the present note serves to validate the names of the new genus and species, *Parkiana*, *Parkiana matutinalis* and *Parkiana andasibensis*, by fulfilling Code conditions for nomenclatural availability.

Keywords: validation, *Parkiana*, *P. matutinalis*, *P. andasibensis*, Madagascar

INTRODUCTION

Cho et al. (2020) described a new lecitocerid genus, *Parkiana*, with two new species, *Parkiana matutinalis* and *Parkiana andasibensis*, from Andasibe, Madagascar. Although the descriptions and figures presented by Cho et al. (2020) fully characterized the new genus and species, the journal issue in which the description appeared was published online-only (the journal changed the policy of publication as an e-print only journal from the second issue of volume 33, 2017), and the ZooBank LSID, required for validation of new names in electronic-only publications (ICZN, 2012), for the article in which the new genus and species names appeared was not included. Thus, the names *Parkiana* Cho, *Parkiana matutinalis* Cho & Agassiz and *Parkiana andasibensis* Cho & Agassiz, as published in *Animal Systematics, Evolution and Diversity* 36(2):107–112 (Cho et al., 2020), is not available according the International Code of Zoological Nomenclature, hereafter, the Code (ICZN, 1999, 2012). Therefore, the present note serves to validate the names *Parkiana*, *Parkiana matutinalis* and *Parkiana andasibensis* by fulfilling Code conditions for nomenclatural availability.

All the types will be deposited in the Natural History Mu-

seum (NHMUK) (formerly the British Museum of Natural History), London, UK.

SYSTEMATIC ACCOUNTS

Parkiana Cho, gen. nov.

ZooBank LSID: urn:lsid:zoobank.org:act:2E4BD296-2D2F-43D2-9285-4A6138C326BB

Parkiana Cho, 2020: 108 [unavailable].

Type species: *Parkiana matutinalis* Cho & Agassiz, sp. nov.; by present designation.

Diagnostic description. The new genus is defined by the following: forewing very narrow, with wing venation different from any allied genera in Torodorinae, with R₂ and R₃ coincident, and with R₄ and R₅ stalked or R₅ absent; antenna longer than the forewing length, with flagellum simply thickened, flattened in basal 1/3, then creamy white, dark brown in apical 1/5. A detailed description is in Cho et al. (2020).

Etymology. The genus name *Parkiana* is a patronym honoring our colleague and a prominent microlepidopterist, Dr. Kyu-Tek Park, Korea (Cho et al., 2020).

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***Parkiana matutinalis* Cho & Agassiz, sp. nov.**

ZooBank LSID: urn:lsid:zoobank.org:act:6C90F8FA-232D-420D-A14A-B6D0C5CA6854

Parkiana matutinalis Cho & Agassiz, 2020: 108, figs. 1A–C, 2A–D [unavailable].

Type specimen. Holotype: male, Madagascar: Andasibe 960 m, 18°57'S, 48°25'E, 15–19.iv.2016, leg. D. Agassiz & K. Larsen, gen. slide no. CIS-7328, sequence no. CBNU130.

Diagnostic description. The new species can be distinguished from *Thubdora* species by the elongate forewing with different venation by having R₂ and R₃ coincident and R₄ and R₅ stalked, but it is hardly distinguishable from the latter in genital characters. It can also be separated from the following new species, *Parkiana andasibensis* by the forewing venation with R₄ and R₅ stalked, the hindwing with M₂ present, and the male genitalia with narrower, more elongated cucullus. A detailed full description is in Cho et al. (2020).

Etymology. The specific name is derived from the Latin, *matutinus* (= of the morning) with Latin superlative ending, *-alis* (Cho et al., 2020).

***Parkiana andasibensis* Cho & Agassiz, sp. nov.**

ZooBank LSID: urn:lsid:zoobank.org:act:C753F0ED-3A78-45A5-ACC2-849F72ED8F09

Parkiana andasibensis Cho & Agassiz, 2020: 109, figs. 1D–G, 3A–E [unavailable].

Type specimen. Holotype: male, Madagascar: Andasibe 960 m, 18°57'S, 48°25'E, 15–19.iv.2016, leg. D. Agassiz & K. Larsen, gen. slide no. CIS-7398, sequence no. CBNU127. — Paratype: 1 female, same data as holotype, gen. slide no. CIS-7329, sequence no. CBNU126.

Diagnostic description. This new species can be distinguished from *P. matutinalis* by wing venations of both wings: forewing with R₃ and R₄ coincident; hind wing with M₂ absent, M₃ and CuA₁ stalked. Abdomen has characteristically with a pair of short hair-pencils on each dorsal surface of 4th, 5th, and 7th segment laterally (Cho et al., 2020). A detailed full description is in Cho et al. (2020).

Etymology. The specific name is derived from the type locality, Andasibe (Cho et al., 2020).

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CONFLICTS OF INTEREST

No potential conflict of interest relevant to this article was reported.

ACKNOWLEDGMENTS

We would like to appreciate Geonho Cho (Department of Agricultural Biotechnology, Seoul National University) for notifying us of the nomenclatural problem.

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Received July 16, 2020
Accepted July 16, 2020