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## A new genus and species of Vartini (Hemiptera: Cicadellidae: Deltocephalinae) from Africa

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### Abstract

A new genus and species of the leafhopper tribe Vartini are described. *Afrovarta angelae* gen. & sp. nov. are described based on specimens from Ghana, Cameroon, and Gabon.

**Key words:** leafhopper, taxonomy, classification, morphology, Afrotropical

### Introduction

The leafhopper tribe Vartini was recently described by Zahniser & Dietrich (2013) for a group of 7 genera and 23 species occurring in the Afrotropical, Palearctic, and Oriental regions. This group superficially resembles Scaphytopiini, in which its members were previously classified, in the produced and pointed head and the broad genae not incised below the eyes and visible behind the eyes in dorsal view. Vartini can be distinguished from Scaphytopiini by the following characters: lorum distant from genal margin; profemur intercalary row setae thick and extending to or beyond middle of profemur; apodemes of male sternite II long, subrectangular, flared apically, and directed posterolaterally; connective with anterior arms appressed; and male segment X tube-like and protruding from pygofer and often well-sclerotized.

Viraktamath (2004) revised the genera and species of the group, and three species of *Xenovarta* Viraktamath have been described since (Duan & Zhang 2010, 2013; Xing et al. 2011).

A new genus is needed to accommodate a new species discovered from West and Central Africa.

### Materials and methods

Digital photographs of the habitus and face were taken with a Canon EOS Mark 5 DII and macro lens, and with lighting and mechanical lift (allowing automatic exposure of multiple photographs at different focal planes) configuration by Visionary Digital. Digital photographs of the male and female genitalia were taken with a Q Imaging Micropublisher 3.3 digital camera mounted on an Olympus BX41 compound microscope. Multiple images were combined using the CombineZP software program (Hadley, 2010). Photographs and stacked images were modified with Adobe Photoshop CS5. The combined photo and line drawing of the faces were produced in Adobe Illustrator CS5. Scale bar = 1.0 mm. Terminology follows Oman (1949), Kramer (1950), and Rakitov (1998). Specimens are deposited at the Illinois Natural History Survey (INHS) and the Natural History Museum, London (BMNH).

Etymology. This species is named in memory of the author's sister, Angela L. Zahniser, who, among her many accomplishments, served as a Peace Corps volunteer in the village of Agbenoxoe in Ghana, West Africa.

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