

# Conchological and genitalic comparisons of *Jaminia loewii* populations in Turkey (Gastropoda: Pulmonata: Enidae)

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**Abstract.** We compared the shells and genitalia of the land snail *Jaminia* from 24 locations on mainland Turkey and two Aegean islands. No consistent differences were noted between the genitalia of the coastal and inland specimens. However, most coastal shells were smaller than inland shells. Additionally, in most coastal shells the subcolumellar apertural tooth was located at the edge of the lip, whereas in most inland shells it was below the edge of the lip. Based on these conchological differences between the coastal and inland populations, we currently retain the subspecies *J. loewii loewii* from inland areas and *J. loewii godetiana* from coastal areas.

**Kurzfassung.** Wir haben die Schalen und die Genitalien der Landschnecke *Jaminia* von 24 Orten auf dem türkischen Festland und auf zwei Inseln in der Ägäis verglichen. Während in den Genitalien zwischen den Küstenpopulationen und den Populationen im Binnenland keine konsistenten Unterschiede gefunden wurden, waren die Schalen der Tiere von der Küste meist kleiner als jene vom Binnenland. Ausserdem war bei den meisten Schalen von der Küste der Zahn der subcolumellaren Apertur am Rande der Lippe angestetzt, während er bei den meisten Tieren vom Binnenland von der Lippe etwas entfernt war. Aufgrund dieser Unterschiede behalten wir die subspezifische Aufteilung – *Jaminia loewii loewii* im Binnenland und *J. loewii godetiana* an der Küste – bei.

**Key words.** Land snail, genitalia, shell, species, *Jaminia*, Turkey.

## Introduction

The range of the land snail *Jaminia loewii* sensu lato extends from south-central to south-west Turkey and includes the Aegean islands along the south-west coast (Fig. 1). There are two putative subspecies: *J. loewii loewii* (Philippi, 1844) and *J. loewii godetiana* (Kobelt, 1880). The latter, apparently confined to the coastal areas in the provinces of İzmir and Aydın and to the nearby islands, is recognized as being smaller than the former. FUCHS & KÄUFEL (1936) dissected one specimen of *J. loewii godetiana* from the island of Chios, and FORCART (1940) gave the dimensions of seven specimens of *J. loewii loewii* and six specimens of *J. loewii godetiana* from a few scattered locations in Turkey. A detailed comparative study of these subspecies has not been published before.

To understand better the taxonomic relationship between *J. loewii loewii* and *J. loewii godetiana*, we present new records and conchological and genitalic comparisons of 24 *Jaminia* colonies.