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# *Anthrenus (Anthrenus) coacheorum* sp. nov. from Senegal (Coleoptera: Dermestidae: Megatominae)

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- ZooBank: <http://zoobank.org/71D662DB-2F3D-4418-98B6-E1DF82895AC5>

## Keywords:

Coleoptera; new species;  
Dermestidae; description;  
Megatominae; *Anthrenus*;  
taxonomy; Senegal.

**Abstract.** – The species *Anthrenus (Anthrenus) coacheorum* sp. nov. from Senegal is described, illustrated and compared with the similar species *A. (Anthrenus) senegalensis* Pic, 1927.

Háva J., 2022. – *Anthrenus (Anthrenus) coacheorum* sp. nov. from Senegal (Coleoptera: Dermestidae: Megatominae). *Faunitaxys*, 10(13) : 1 – 3.

ZooBank: <http://zoobank.org/EE4AEC91-39D0-45A0-9E05-79B36FAAED6F>

## Introduction

The family Dermestidae currently includes approximately 1750 species and subspecies worldwide and the genus *Anthrenus* Geoffroy, 1762 currently includes 278 species worldwide (Háva, 2022) including the new species described herein. Six species have been recorded from Senegal (Háva, 2021; Háva & Coache, 2020). In the present paper, a new species of the nominotypical subgenus *Anthrenus* is described from Senegal.

## Material and methods

– The size of the beetles or of their body parts can be useful in species recognition and thus, the following measurements were made:

**TL total length:** linear distance from anterior margin of pronotum to apex of elytra.

**EW elytral width:** maximum linear transverse distance.

Deposition of type material:

**AC:** private collection of Alain Coache, La Brillanne, France.

**JHAC:** Private Entomological Laboratory & Collection, Jiří Háva, Únětice u Prahy, Prague-west, Czech Republic.

**MHNL:** Musée d'Histoire Naturelle de Lyon, Lyon, France.

– The nomenclature and zoogeography follow Háva (2015) and Motyka et al. (2022).

– All the colour photographs were taken by a Nikon Coolpix 990 digital camera through an MBS-10 binocular stereo microscope and 3D Microscope with Full HD Camera.

– Specimens of the presently described species are provided with red, printed label with texts as follows:

« HOLOTYPE [or PARATYPE] *Anthrenus* (s. str.) *coacheorum* sp. nov. J. Háva det. 2022 ».

## Results

### *Anthrenus (Anthrenus) coacheorum* sp. nov.

(Fig. 1-4)

ZooBank: <http://zoobank.org/3CCA0DFA-D725-4CEA-862B-760D90C6AE8B>

**Holotype**, ♂: “Sénégal, Forêt de Ngazobil, 27.X.2010, fauchage, Alain Coache leg.” (MHNL).

## Paratypes

– 2 ♂, 42 spec. unsexed, the same data as holotype (36 AC, 8 JHAC);

– 4 spec. unsexed: “Sénégal, Petite Côte, Nianing, fauchage savane, 25.X.2010, Alain Coache leg.” (3 AC, 1 JHAC);

– 16 spec. unsexed: “Sénégal, Petite Côte, Mbour Ird, fauchage, 01.XI.2010, Alain Coache leg.” (12 AC, 4 JHAC).

## Description of the holotype

**Measurements** (mm). – TL 2.4, EW 1.8.

**Body.** – Convex, broadly oval, covered with oval-subtriangular scales. Dorsal and ventral surfaces of integument dark-brown, almost black, sparsely punctured, covered by scales (Fig. 1).

**Head.** – Visible from above. – *Eyes* large, convex, with internal, medial deep and broad emargination, with intermixed whitish and light brownish-yellow scales. – *Median ocellus* present. – *Clypeus* emarginate. – *Labrum* light brown, with short tan setae on the entire dorsal surface. – *Antenna* with 11 antennomeres, antennal club dark brown, composed of 3 antennomeres (Fig. 3). – *Antennal fossa* conforming to shape of antennal club.

**Pronotum.** – Covered by intermixed whitish and light brownish-yellow scales, and brown scales forming patches discally and near scutellum. Lateral margin of pronotum dilated above antennal fossa and visible from above.

**Scutellum.** – Small, without scales.

**Elytra.** – Covered by whitish, light brownish-yellow and brown scales. The scales are abraded on most of the elytra, white and brown scales forming patches. – *Humeri* with large bump. Individual scales more or less triangular with apex of body of scales truncate and lapped arcuate.

**Ventral surface.** – Covered by whitish scales. Light brownish-yellow scales covering posterior margin of ventrites II-V, middle section of ventrite V with only whitish scales; ventrites I-V sometimes entirely with whitish scales; first abdominal ventrite with post-coxal lines, sulcus without scales. – *Abdominal ventrites* as in Fig. 2.

**Pygidium.** – Dark brown with sub-basal, transverse, carina-like line with adjacent setae; light brown setae limited to apical area.

**Legs.** – Dark-brown and covered with white scales and black setae on dorsal surface. – *Tibiae* without distinct teeth. – *Tarsus* with two slightly curved claws.

**Male genitalia.** – As in Fig. 4.

**Female.** – Externally similar to male.

**Etymology.** – Patronymic, dedicated to my friends Alain and Djee Coache (France).

**Variability.** – Body measurements (mm): TL 2.2-2.4, EW 1.7-1.8. The brown elytral scales forming patches, which are extremely variable.

**Differential diagnosis.** – The new species is externally similar to *Anthrenus (Anthrenus) senegalensis* Pic, 1927, but differs from it by the broad form of the body, structure of antennae and male genitalia (Fig. 1-8).

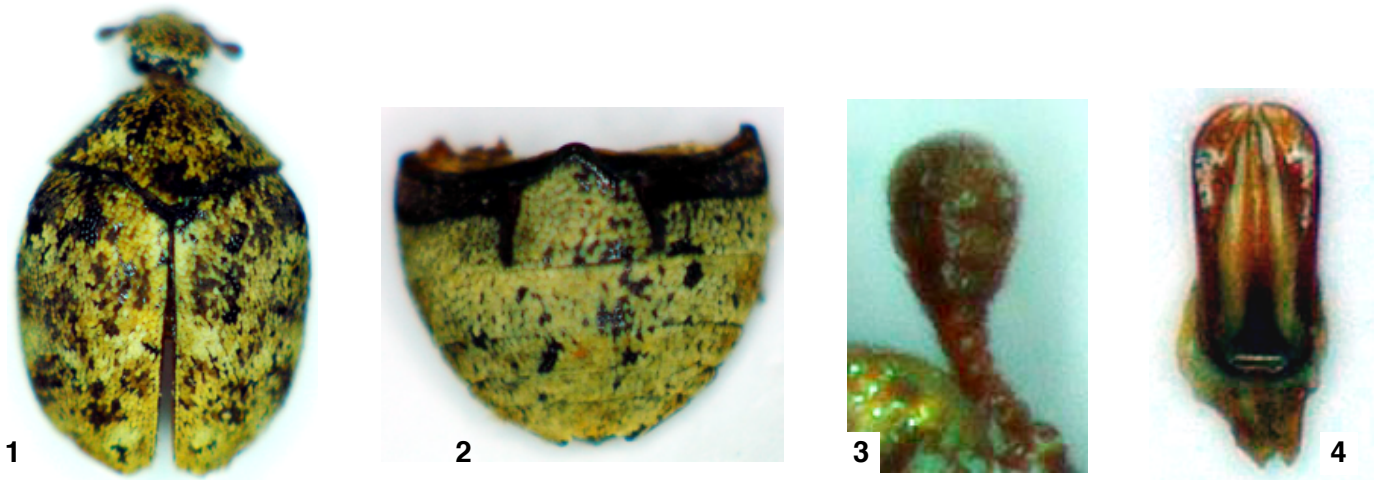


Fig. 1-4. *Anthrenus (Anthrenus) coacheorum* sp. nov., holotype. 1. Habitus, dorsal. 2. Abdomen. 3. Antenna of male. 4. Male genitalia.

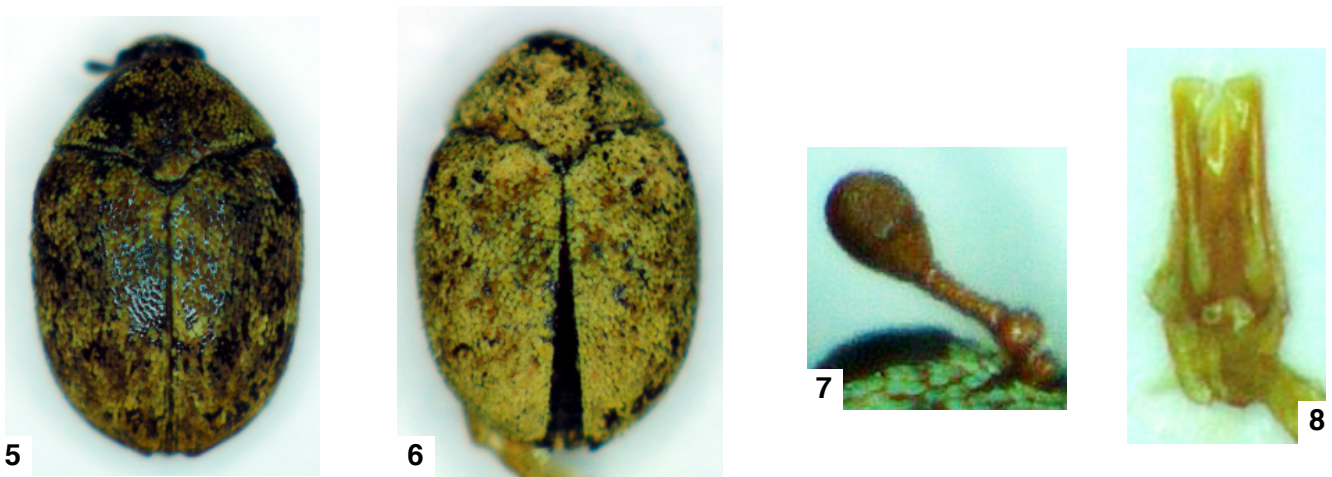


Fig. 5-8. *Anthrenus (Anthrenus) senegalensis* Pic, 1927. 5. Habitus, dorsal, dark form. 6. Habitus, dorsal, light form. 7. Antenna of male. 8. Male genitalia.

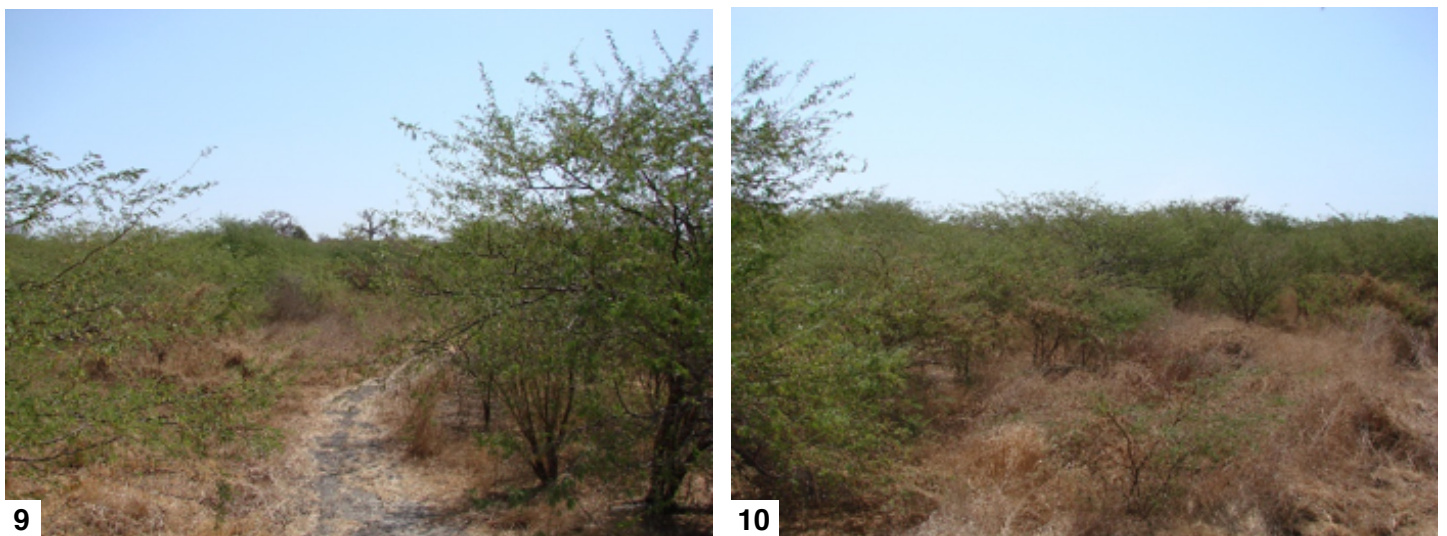


Fig. 9-10. *Anthrenus (Anthrenus) coacheorum* sp. nov., type locality, Senegal, « Forêt de Ngazobil ».

**List of *Anthrenus* species recorded from Senegal**

*Anthrenus* Geoffroy, 1762  
*Anthrenus* (s. str.)  
 - *A. coacheorum* **sp. nov.**  
 - *A. flavipes* LeConte, 1854  
 - *A. senegalensis* Pic, 1927  
*Anthrenodes* Chobaut, 1898  
 - *A. guineaensis* Háva, 2004  
*Anthrenops* Reitter, 1881  
 - *A. coloratus* Reitter, 1881  
*Florilinus* Mulsant & Rey, 1868  
 - *A. museorum* (Linnaeus, 1761)  
*Nathrenus* Casey, 1900  
 - *A. verbasci* (Linnaeus, 1767)

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**Résumé**

Háva J., 2022. – *Anthrenus* (*Anthrenus*) *coacheorum* **n. sp.** du Sénégal (Coleoptera: Dermestidae: Megatominae). *Faunitaxys*, 10(13) : 1 – 3.

*Anthrenus* (*Anthrenus*) *coacheorum* **sp. nov.** est décrite du Sénégal. Elle est illustrée et comparée à *A. (Anthrenus) senegalensis* Pic, 1927, l'espèce la plus proche.

Mots-clés. – Coleoptera, Dermestidae, Megatominae, taxinomie, nouvelle espèce, description, *Anthrenus*, Sénégal.

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**Illustration de la couverture** : Coucher de soleil sur la forêt de Ngazobil.

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