

## New and little known species of longhorn beetles (Coleoptera: Cerambycidae) for fauna of Pakistan

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We prepared a synopsis of ten species of longhorn beetles from Pakistan during excursion in 2024. Seven species reported as new record for the country. Remaining three species little known and treated as worthy records. Habitus images and distribution data provided.

Keywords: Coleoptera, Cerambycidae, new records, Pakistan.

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### INTRODUCTION

The faunal diversity of longhorn beetles of Pakistan increasing last five years. After checklist of longhorn beetles of Pakistan (Rapuzzi *et al.*, 2018), two more inventories with new species are describing (Ahmed & Barševskis, 2024, Barševskis & Ahmed, 2024). In this paper, seven species reported as new country records viz., *Pterolophia cf. gardneri* Schwarzer, 1931; *Jebusaea hammerschmidti* Reichi, 1878; *Gnatholea simplex* Gahan, 1890; *Arhopalus exoticus* Sharp, 1905; *Xystrocera festiva* J. Thomson, 1861; *Agelasta bifaciana* A. White, 1858; *Osphranteria lata* Pic, 1956. Three species viz., *Blepephaeus nepalensis* Hayashi, 1981; *Trinophylum cibratum* Bates, 1878 and *Nupserha lenita* Pascoe, 1871 are known as cryptic species and little known from the locality. Rossa and Goczał (2021) studied the diversity and distribution of Cerambycidae globally. They showed 20036 species which

represent highest diversity within subfamilies.

Present work deals succession of diversity of longhorn beetles of Pakistan. There could be more species in the remote and northern areas as well plain area of Sindh and Balochistan which make updated catalogue of Cerambycidae in future.

### RESULTS

#### *Blepephaeus nepalensis* Hayashi, 1981 (Plate 1, C)

Löbl & Smetana (2010) listed 15 species of *Blepephaeus* including this species but not reported from Pakistan. Tavakilian & Chevillotte (2019) listed this species from Pakistan. We confirmed the species after description of Hayashi (1981).

**Material examined:** Pakistan, village Bal Dhamas, Kotli, Azad Kashmir, 12.vii.2024, leg Tahir.

**Distribution:** Nepal and Pakistan

***Gnatholea simplex* Gahan, 1890 (Plate 1, D)**

Löbl & Smetana (2010) listed four species of the genus *Gnatholea* J. Thomson, 1861 from Asia but not reported from Pakistan. Present species listed from Sikkim, Darjeeling. Francesco Vitali identified this species.

**Material examined:** Pakistan, village Maidan, Lower Dir, Timergara, KP., 10.vii.2024, leg Naqibullah.

**Distribution:** Sikkim Darjeeling and Pakistan.

New record

***Jebusaea hammerschmidti* Reiche, 1878 (Plate 1, A)**

Löbl & Smetana (2010) listed this monotypic species from Asia included Iran, Ira, Oman. It is new record for the country.

**Material examined:** Pakistan, Turbat, Balochistan, 22.viii.2024, leg Sumera.

**Distribution:** Arab Emirates, Iran, Iraq, Oman, Qatar, Saudi Arabia and Pakistan.

New record.

***Pterolophia cf. gardneri* Schwarzer, 1931(Plate 1, B)**

The city Kotli bounded its north-east by Poonch district of Indian administered Jammu and Kashmir with specific habitat of flora. The species of *Pterolophia* found on tree *Albizia* species.

**Material examined:** Pakistan, village Bal Dhamas, Kotli, Azad Kashmir, 12.vii.2024, leg Tahir.

**Distribution:** Uttar Pradesh and Pakistan.

New record

***Arhopalus exoticus* Sharp, 1905 (Plate 2, E)**

Löbl & Smetana (2010) listed 14 species of *Arhopalus* Audinet-Serville, 184 including *A. tibetanus* Sharp, 1905 from Pakistan. Tavakilian and Chevilotte (2019) also listed 115 from Pakistan and *A. tibetanus* listed from Pakistan. Present species reported as new country record.

**Material examined.** Pakistan, village Arang Kel, Azad Kashmir, 07.vii.2024, leg Aeel.

**Distribution:** Nepal, Shanxi, Taiwan, Yunnan and Pakistan.

New record

***Xystrocera festiva* J. Thomson, 1861(Plate 2, F)**

Löbl & Smetana (2010) listed three species of *Xystrocera* Audinet-Serville, 1834. The present species collected by friend in Taunsa Sharif, Punjab and he sent me picture but unfortunately he missed the specimen. Francesco Vitali determined the species.

**Distribution:** Arunachal Pradesh, Sikkim Darjeeling, Taiwan, Yunnan, Hainan and Pakistan.

New record

***Trinophylum cibratum* Bates, 1878 (Plate 2, C)**

This monotypic species reported from India, Kashmir and Pakistan. (Löbl & Smetana (2010))

**Distribution:** India, Kashmir and Pakistan and Great Britain.

***Agelasta bifaciana* A. White 1858 (Plate 2, D)**

Löbl & Smetana (2010) listed two species of *Agelasta* Newman, 1842 under subgenus *Pseudolegusta* Breuning, 1939. The

specimen taken as loan from National Insect Museum, NARC, Islamabad.

**Material examined:** 1♂, Pakistan, Islamabad, Margalla Hills, 31.vii. 2006, Amir Sultan

**Distribution:** Jianxi,, Nepal,,Sikkim Darjeeling and Pakistan.  
New record

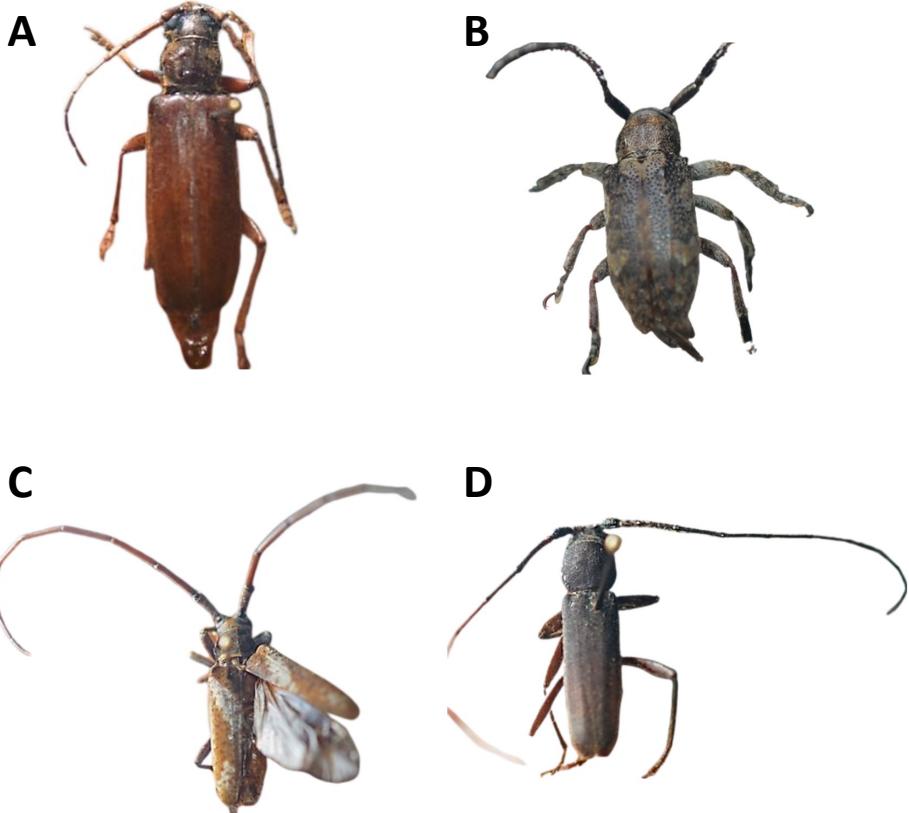


Plate 1. A) *Jebusaea hammerschmidti* B) *Pterolophia cf. gardneri* C) *Blepephaeus nepalensis* D) *Gnatholea simplex*

***Nupserha lenita* Pascoe, 1871 (Plate 2, A)**

Löbl & Smetana (2010) listed 49 species of *Nupserha* J.Thomson, 1860. Present species also taken as loan from National Insect Museum, NARC, Islamabad.

**Material examined:** 1♂, Pakistan, Azad Kashmir, Rawalakot, 25.v.2005, M.Altaf.

**Distribution:** Guangxi, Nepal, Uttar Pradesh, Pakistan and Sikkim Darjeeling.

***Osphranteria lata* Pic, 1956 (Plate 2, B)**

Löbl & Smetana (2010) listed four species of the genus *Osphranteria* L.Redtenbacher, 1850. The species also taken as loan from National Insect Museum, NARC, Islamabad.

**Material examined:** 1♂, Balochistan, Chiltan, Quetta, 25.vi.2006, M.Rafi.

**Distribution:** Afghanistan, Iran and Pakistan  
New record.

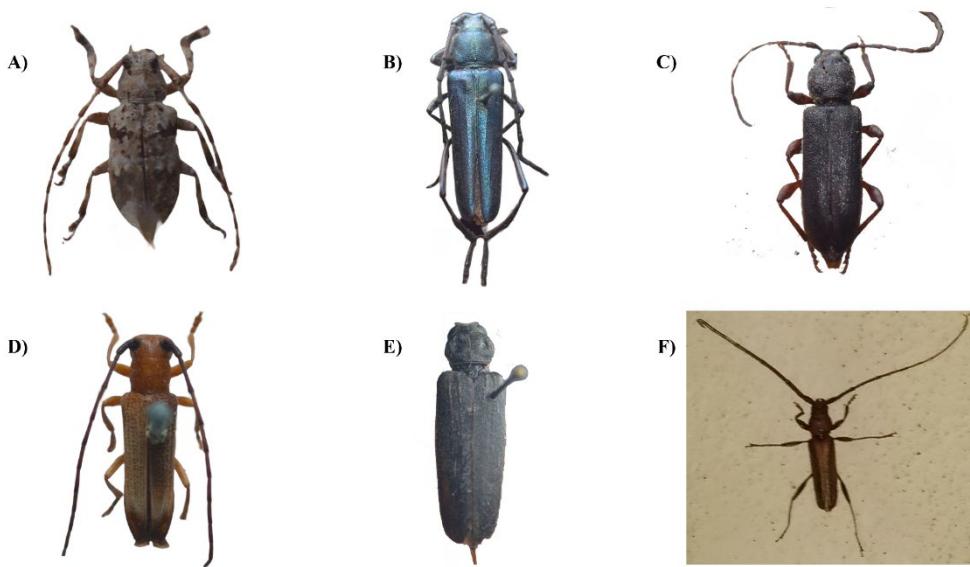


Plate 2. A) *Nupserha lenita* B) *Osphranteria lata* C) *Trinophylum cibratrum* D) *Agelasta bifaciana* E) *Arhopalus exoticus* F) *Xystrocera festiva*

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