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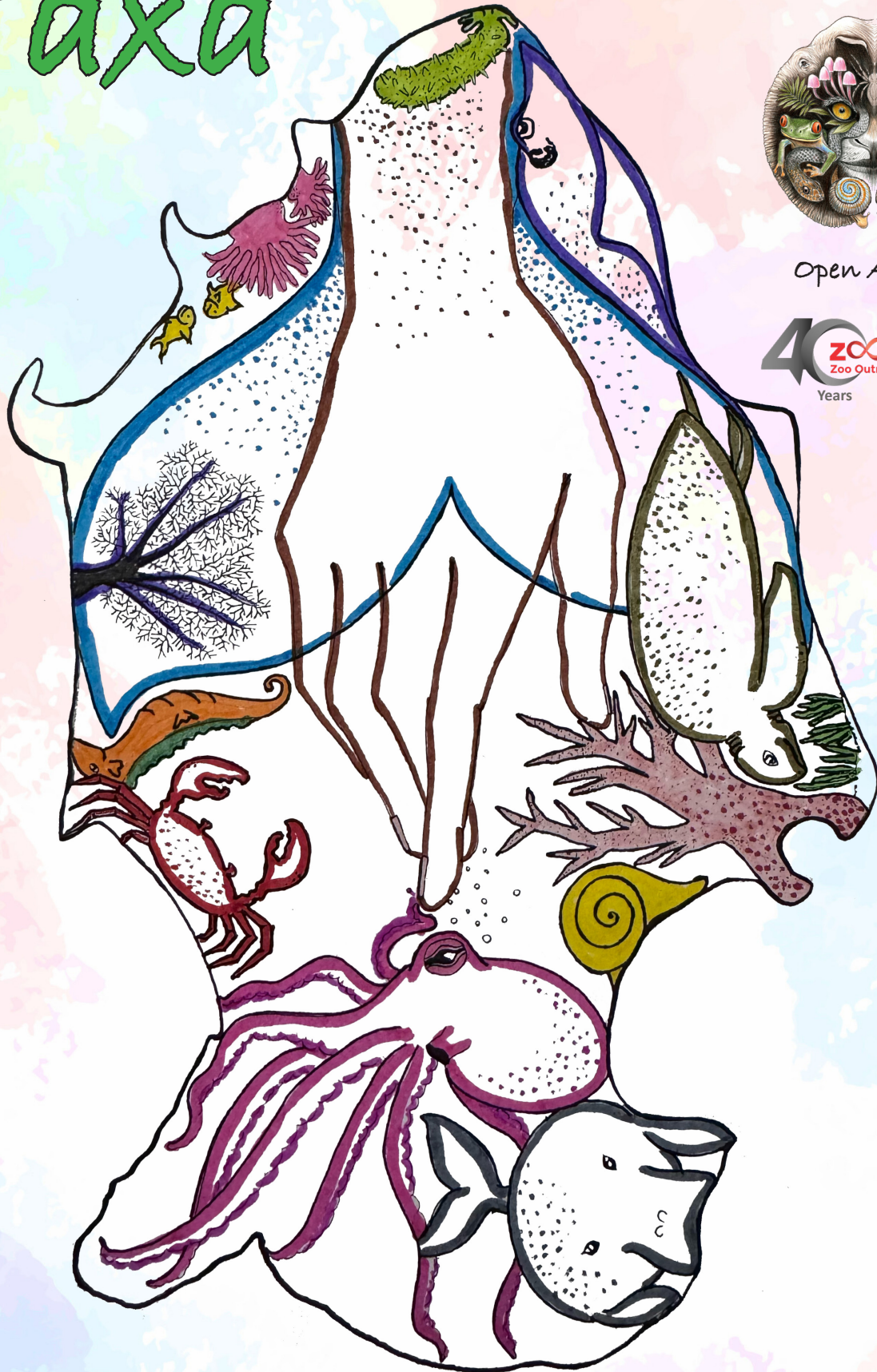
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continued on the back inside cover

Cover: Little Andaman is part of the island chain with incredible biodiversity, but these amazing species are threatened by development projects, and need our support.
Pen and ink artwork by Priyanka Iyer.

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microphotographic images were taken by a Axiocam Erc 5s digital camera attached to the stereomicroscope and enabled with the software Zeiss ZEN 2.6 lite, version 2.6.76.0. The Left palps were removed, studied, and photographed by placing them in a cavity block filled with 70% ethanol. All the measurements are in millimeters. The species were identified based on Caleb & Kumar (2018) and Logunov (2021). The examined specimens have been deposited in the reference collection of the Web of Nature (WON) Research Foundation, Gujarat, India (curator: Dhruv A. Prajapati).

Abbreviations used in the text: ALE—anterior lateral eye | AME—anterior median eye | PLE—posterior lateral eye | PME—posterior median eye | RTA—retrolateral tibial apophysis | CTA—compound terminal apophysis.

Family Salticidae Blackwall, 1841

Genus *Pellenes* Simon, 1876

Type species: *Attus cruciger* Walckenaer, 1805

***Pellenes iva* Caleb, 2018**

(Images 1–7)

Pellenes (Pelmultus) iva Caleb, in Caleb & Kumar, 2018: 6, figs 1–29

Material examined: WON104450A, 4.iv.2022, two males, India, Gujarat, Danta Village (24.1911° N, 72.770° E), 162 m, leg. S. Parmar; WON104450B, 4.x.2024, one male, India, Gujarat, R.R. Lalan, college Campus-Bhuj (23.236° N, 69.660° E), 155 m, from grassy patches, leg. S. Parmar; WON104450C, 21.vii.2024, one male, India, Gujarat, Aranya Park, Gandhinagar (23.195° N, 72.673° E), 77 m, leg. D. Prajapati.

Diagnosis: The species can be easily distinguished by the following characters: male pedipalp with thin embolus accompanied with a CTA (Image 6). RTA strong, straight, broad at base with a narrowed blunt tip, directed at 12 O'clock position, a faint ridge concealed behind the RTA (Image 7) (Caleb & Kumar 2018).

Description: Male (Images 1–7), total length 2.80; carapace length 1.47, width 1.15; abdomen length 1.40, width 0.93. Eye measurements: AME 0.27, ALE 0.13, AER 0.87, PME 0.03, PLE 0.13, PER 1.04. Leg measurements: I 3.20 (1.03, 0.66, 0.75, 0.45, 0.33); II 2.02 (0.65, 0.42, 0.35, 0.32, 0.27); III 2.95 (1.05, 0.51, 0.58, 0.45, 0.36); IV 2.36 (0.79, 0.39, 0.41, 0.42, 0.34). Carapace black with a hairy white spot behind middle of AMEs and two hairy white spots behind PLEs, a basal white stripe borders the outer edges laterally; eyes surrounded by white orbital setae; clypeus blackish with a basal transverse white stripe. Chelicerae dark brownish with vertical stripes of white scales, with two fused teeth on promargin, one tooth on retromargin. Sternum oval, brown. Abdomen

ovoid, densely clothed with rusty brown hairs; anterior margin adorned with white scales. A distinct longitudinal mid-dorsal stripe present, accompanied by two pairs of lateral white patches that appear to converge. Spinnerets brownish in color. Palps brownish; embolus slender, accompanied with a CTA (Image 6). RTA strong, straight, broad at base with a narrowed blunt tip, directed at 12 O'clock position, a faint ridge concealed behind RTA (Image 7).

Variation: The studied specimen has the following variations when compared to the holotype male from Tamil Nadu: three hairy white spots on carapace (one behind AMEs and one each behind PLEs) (Image 1–4), while only two white spots on carapace behind PLEs are seen in the holotype male of *P. iva* (Figure 1 in Caleb & Kumar 2018). The two pairs of small lateral white stripes do not touch the medial stripe on abdomen (Images 1 & 5) whereas, lateral stripes almost touch the medial stripe on abdomen in holotype (anterior), and paratype (both anterior and posterior stripes) (Figure 5 in Caleb & Kumar 2018). Also, femur of leg I is light brown (Images 1–5) (Dark brown in holotype male, Figure 1–5 in Caleb & Kumar 2018).

Natural history: *P. iva* was found in the arid and semi-arid, open habitats with scattered grassy patches along with low shrubs nearby urban area and individuals were mostly found on ground surfaces in direct sunlight.

Distribution: India (WSC 2025).

Distribution in India: Tamil Nadu (Caleb & Kumar 2018) and Gujarat (new record) (Figure 1).

Genus *Thyene* Simon, 1885

Type species: *Attus imperialis* Rossi, 1846

***Thyene bivittata* Xie & Peng, 1995**

(Images 8, 9 & 10)

Thyene bivittata Xie & Peng, 1995: 105, f. 1A-E

Thyene bivittata Jastrzębski, 2006: 1, f. 1-5

Thyene bivittata Logunov, 2021d: 357, f. 27-39

For a complete list of taxonomic references refer WSC (2025).

Material examined: WON104622A, 21.v.2021, one male, India, Gujarat, Danta Village (24.191° N, 72.770° E), 143 m, leg. S. Parmar; WON104622B, 12.vii.2024, one male, India, Gujarat, Bhuj (23.238° N, 69.634° E), 209 m., leg. S. Parmar.

Diagnosis: The species can be easily distinguished by the following characters: male pedipalp with slender and long embolus encircling tegulum, bulbus rounded with small finger-shaped membranous outgrowth on anterolateral position (Image 9). RTA simple, long, broad at the base and narrowed blunt tip, curved dorsally,



Images 1–4. Live images of *Pellenes iva* Caleb, 2018: 1—male in natural habitat, dorso-lateral view | 2—same, lateral view | 3—same, dorsal view | 4—same, latero-frontal view. © Subhash Parmar.

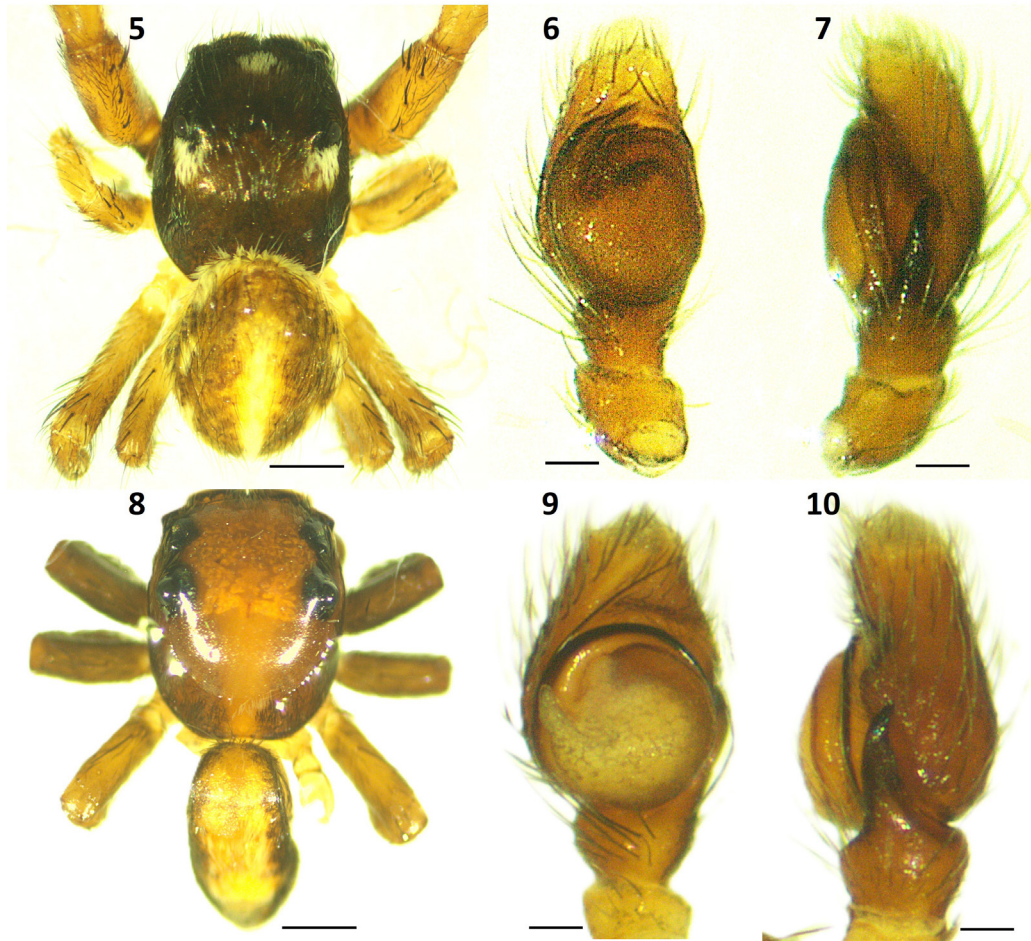
directed at 2 O'clock position (Image 10) (Logunov 2021).

Description: Male (Image 8–10), total length 4.10; carapace length 2.02, width 1.46; abdomen length 2.08, width 1.15. Eye measurements: AME 0.50, ALE 0.27, AER 0.95, PME 0.07, PLE 0.25, PER 1.14. Leg measurements: I 3.72 (1.25, 0.58, 0.75, 0.56, 0.54); II 3.48 (1.18, 0.54, 0.72, 0.52, 0.51); III 3.92 (1.32, 0.51, 0.68, 0.77, 0.62); IV 4.07 (1.29, 0.63, 0.85, 0.64, 0.68). Carapace darkish brown with a posterior-median whitish-orange patch. Anterior eyes surrounded by white and reddish orange scales anterior, and posterior respectively. Clypeus brown. white patch extends posteriorly along lateral sides, from below ALEs to base of carapace. Chelicerae black with two teeth on promargin and one bifurcated tooth on retromargin. Abdomen elongated, with a median

yellowish band running longitudinally from anterior to posterior end, lateral sides uniformly dark brown along entire length. Spinnerets dark brown. Embolus slender and long, encircling tegulum, bulbus flat, rounded with small finger-shaped membranous outgrowth on anterolateral position (Image 9). RTA simple, long, broad at base and narrowed blunt tip, curved dorsally, directed at 2 O'clock position (Image 10).

Natural history: *Thyene bivittata* was observed inhabiting dry, open scrubland with sparse vegetation, often found on low bushes, and leaf litter during daytime. Specimens collected by hand, indicating diurnal activity, and ground associated microhabitat preference.

Distribution: Pakistan, India, Nepal, China (WSC 2025)



Images 5–10. 5, 6 & 7: *Pellenes iva* Caleb, 2018: 5—male, dorsal view | 6—male left pedipalp, ventral view | 7—same, retrolateral view | 8, 9 & 10—*Thyene bivittata* Xie & Peng, 1995 | 8—male habitus, dorsal view | 9—male left pedipalp, ventral view | 10—same, retrolateral view. Scale bars: 1 mm (5 & 8) | 0.1 mm (6–7 & 9–10). © Subhash Parmar.

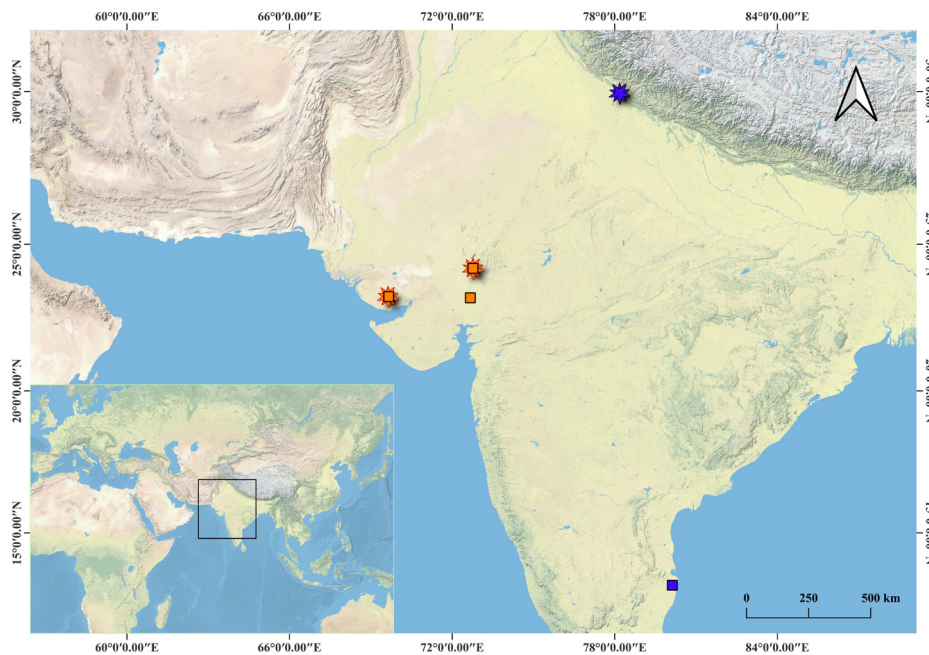


Figure 1. Distribution of *Pellenes iva* Caleb, 2018 (squares) & *Thyene bivittata* Xie & Peng, 1995 (stars) in India | Blue color represents previous literature records | Saffron color represents new records.

Distribution in India: Uttarakhand (Logunov 2021) and Gujarat (new record) (Figure 1).

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