

# A new species of Paruroctonus Werner, 1934 from California's San Joaquin Valley, USA

A new species of Paruroctonus Werner,  
1934 from California's San Joaquin Valley,  
USA

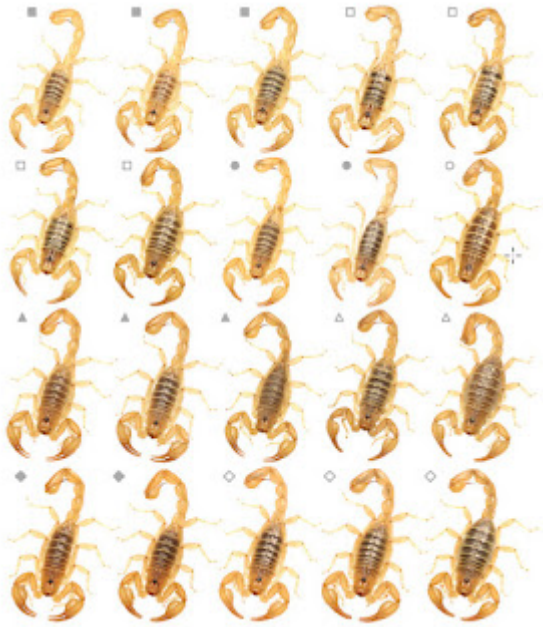
<https://scorpion.kkomodo.kr/pdfjs/web/viewer.html?file=https://scorpion.kkomodo.kr/attachments/4>

8

<https://scorpion.kkomodo.kr/pdfjs/web/viewer.html?file=https://scorpion.kkomodo.kr/attachments/4>

8

ZK-1185-199 article-103574 en 1.pdf



Prakrit Jain and co-workers recently described a new species of *Paruroctonus* Werner, 1934 (Vaejovidae) from lowland, alkali-sink habitats in the Tulare Basin in California, USA.

*Paruroctonus tulare* Jain, Forbes, Gorneau & Esposito, 2023

The article provides detailed information about morphology, distribution, ecology and conservational status. Regarding the latter, this species inhabits a specialized habitat and its status is probably impacted by human activities like land conversion for agriculture and urban development. In addition, invasive European grasses seem to negatively impact on the species distribution and numbers.

#### **Abstract:**

Herein a new species of *Paruroctonus* Werner, 1934 is described from alkali-sink habitats in the San Joaquin Desert of central California, *Paruroctonus tulare* sp. nov. It can be differentiated from other *Paruroctonus* by a combination of morphological features including scalloped pedipalp fingers in males, specific setal counts and morphometric ratios, and specific patterns of fuscous pigmentation. It also inhabits a unique distribution allopatric with all other *Paruroctonus* species except *P. variabilis* Hjelle, 1982. Photographs of a large series of live *P. tulare* sp. nov. from across their range and detailed images of several morphological features are provided, their distribution is modeled, a haplotype network is presented, and details about their habitat, ecology, and conservation are discussed.

#### **Reference:**

Jain P, Forbes H, Gorneau JA, Esposito LA. A new species of alkali-sink *Paruroctonus* Werner, 1934 (Scorpiones, Vaejovidae) from California's San Joaquin Valley. ZooKeys. 2023(1185):199-239. [Open Access]

<https://scorpion-files.blogspot.com/2023/12/a-new-species-of-paruroctonus-werner.html>