

# FAUNA OF INDIA CHECKLIST

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ONLINE VERSION 1.0



## ARTHROPODA: CRUSTACEA: MALACOSTRACA: PERACARIDA: TANAIDACEA

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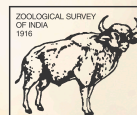
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**ZOOLOGICAL SURVEY OF INDIA**  
Ministry of Environment, Forest & Climate Change

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## Introduction

Tanaids are minute shrimp-like crustaceans, mostly within the size ranges of 2.0-5.0 mm with the exceptions of a few species, the adults of which can reach up to 50.0-75.0 mm. They are mostly marine or brackish water forms although a few species also occur in freshwater habitats. They have been recorded at different depths of the ocean from inter-tidal to deep-ocean trenches sometimes exceeding 9000 m (venkataraman *et al.*, 2016). Our knowledge of Indian Tanaidacea is very poor. The contribution on Indian Tanaids were made by Stebbing (1905), Chilton (1904), Barnard (1935), Balasubrahmanyam *et al.* (1975), Balasubrahmanyam (1962), Larsen *et al.* (2013) and Pandiyarajan *et al.* (2017)

**Global Diversity :** Globally more than 1200 species are known ( Pandiyarajan and Jyothibabu, 2020).

**Diversity in India:** Pandiyarajan and Jyothibabu, (2020) reported 6 species of Tanaids from Indian coastal zone. The present inventory reveals the occurrence of 8 species of Tanaids belonging to 6 genera and 5 families in India

**Endemism:** Seven out of 8 species known from India are endemic to the country.

**Habitat:** They are mostly benthic organisms inhabiting marine and backwater zones but freshwater forms are also available

**Ecological Significance:** They play a significant role in the ecosystem by decomposing the organic matter and in the food chain they acts as a prey for other animals.

**Human Significance:** No direct human significance is known.

**Threatened species:** Species from India are not assessed for IUCN threat categories.

**Protected Species as per WPA (2022):** Tanaids are not listed under any schedules of Wildlife Protection Act (2022).

**Species under CITES:** Tanaids are not listed under any appendices of CITES.

**Invasive alien species:** There is no report of invasive Tanaids in India

**Gap areas:** Our knowledge on Indian Tanaids are very limited and needs a thorough exploration in almost all the coastal states of India.

**Systematic list:****Phylum Arthropoda****Subclass Crustacea****Superclass Multicrustacea****Class Malacostraca****Subclass Eumalacostraca****Superorder – Peracarida****Order Tanaidacea**Suborder **Apseudomorpha**Superfamily **Apseudoidea** Leach, 1814Family **Parapseudidae** Gutu, 1981Subfamily **Parapseudinae** Gutu, 1981Genus ***Ctenapseudes*** Bamber, Ariyananda & Silva, 1997

1. *Ctenapseudes chilkensis* (Chilton, 1924) - KE, OD, AP, TN
2. *Ctenapseudes Indiana* Pandiyarajan & Biju, 2017 - KE

Family **Pagurapseudopidae** Gutu, 2006Genus ***Pagurapseudopsis*** Shiino, 1963

3. *Pagurapseudopsis gymnophobia* (Barnard, 1935) KE, TN, AP
4. *Pagurapseudopsis kochindica* Pandiyarajan & Biju, 2017 - KE

Genus ***Halmyrapseudes*** Bacescu & Gutu, 1974

5. *Halmyrapseudes killaiyensis* (Balasubrahmanyam, 1962) – TN

Suborder **Tanaidomorpha**Superfamily **Paratanaoidea** Lang, 1949Family **Leptocheliidae** 1973Subfamily **Konariinae** Bamber, 2013Genus ***Konarus*** Bamber 2006

6. *Konarus crassicornis* (Stebbing, 1905) - TN

Family – **Teleotanaidae** Bamber, 2008Genus ***Teleotanais*** Lang, 1956

7. *Teleotanais indiaensis* Larsen & Sahoo, 2013 – Goa

Superfamily **Tanaidoidea** Nobili, 1906Family – **Tanaididae** Nobili, 1906Subfamily – **Pancolinae** Sieg, 1980Genus – ***Zeuxo*** Templeton, 1840

8. *Zeuxo kurilensis* (Kussakin & Tzareva, 1974) - AN

AN- Anadaman &amp; Nicobar Islands, AP-Andhra Pradesh, KE- Kerala, OD-Odisha, TN-Tamilnadu

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