

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

For office use:

MARINE BIORESOURCES

FORMS DATA ENTRY: Form- 1(general) Ref. No.:
(please answer only relevant fields; add additional fields if you require)

Fauna: <input checked="" type="checkbox"/>	Flora	Microorganisms
General Category: Invertebrata (Zooplankton), Copepoda		
Scientific name & Authority: <i>Euchirella venusta</i> Giesbrecht, 1888 Common Name (if available): Synonyms: Author(s) Status <i>Euchirella venusta</i> Giesbrecht 1888		
Classification: Phylum: Arthropoda Sub- Phylum Super class: Class: Crustacea Super Order: Gymnoplea Sub- Class: Copepoda (Milne-Edwards 1840) Super Family : Order: Calanoida (Sars 1903) Family: Aetideidae Sub-Family Genus: <i>Euchirella</i> Species: <i>venusta</i> Authority: Giesbrecht Reference No.: Giesbrecht, W. 1888. Elenco dei copepodi pelagici raccolti dal tenente de vascello Gaetano Chierchia durante il viaggio della R. Corvetta "Vettor Pisani" negli anni 1882-1883 e dal tenente di vascello Francesco Orsini nel Mar Rosso, nel 1884. <i>Atti dell'Accademia nazionale dei Lincei. Rendiconti. Ser. 4</i> 4(2): 284-338.		
Geographical Location: Found in the Indo- Pacific region in tropical and subtropical localities (Sewell 1947, Grice and Hulsemann 1967). Latitude: 25° N-40°S Place: Indian Ocean. Longitude: 20°E-120°E State:		

Environment

Freshwater: Yes/ No

Habitat: Marine

Salinity: >35‰

Brackish: Yes/No

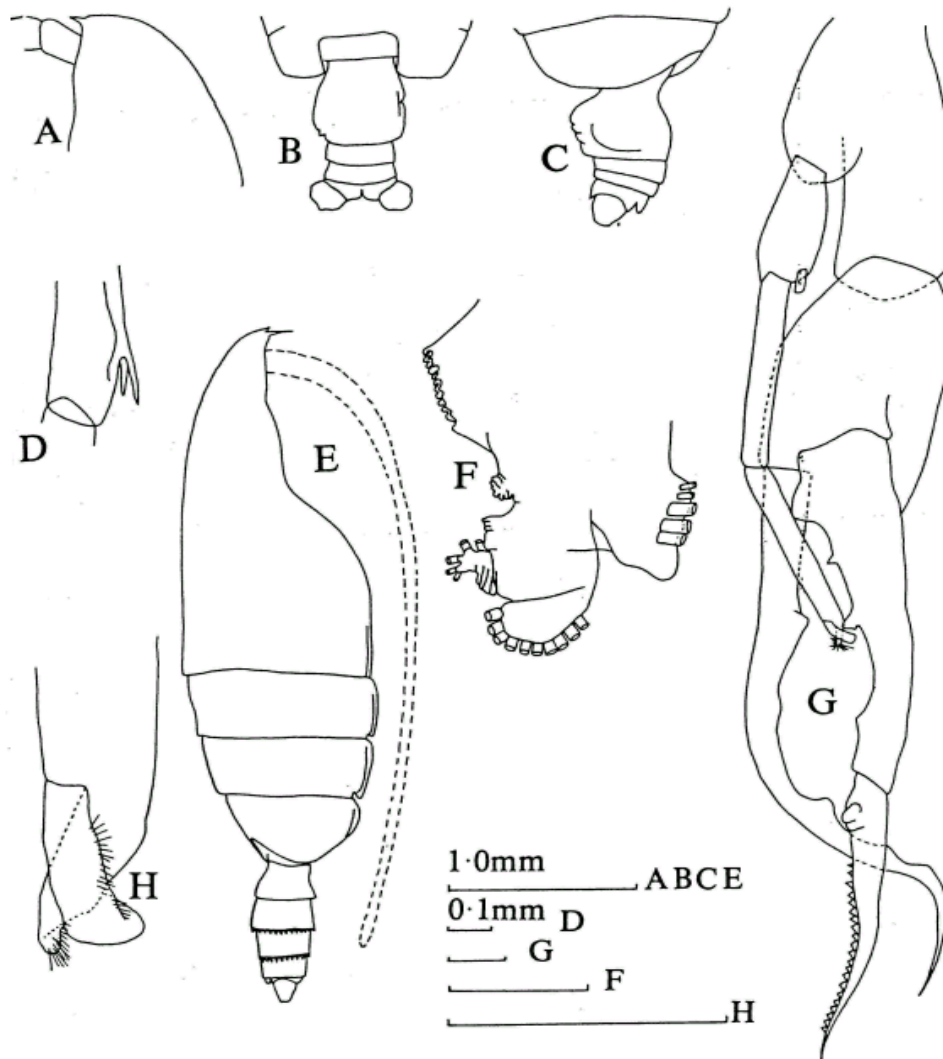
Migrations:

Temperature:

Salt Water: Yes

Depth range : Mesopelagic
600-0 m.

Picture (scanned images or photographs of adult/ adult/larvalstages)



Euchiarella venusta (After Bradford & Jillet, 1980)

Female: A-lateral view of anterior head, B-dorsal view of posterior body,
C-lateral view of posterior body, D-basipod 1 of leg 4

Male: E-lateral view, F-maxilla 1, G-leg 5, H-terminal part of left exopod of leg 5

<p>DATA ENTRY FORM: Form –2 (Fish/ Shell fish/ Others) Ref. No.:</p> <p>No.:</p> <p>(Please answer only relevant fields; add additional fields if you require)</p> <p>Form- 1 Ref. No.:</p>
<p>IMPORTANCE</p> <p>Landing statistics (t/y): from to Place: Ref . No.:</p> <p>Main source of landing: Yes/ No Coast: east/ west</p> <p>Importance to fisheries:</p> <p>Main catching method:</p> <p>Used for aquaculture: yes/ never/ rarely</p> <p>Used as bait: yes/no/ occasionally</p> <p>Aquarium fish: yes/ no/ rarely</p> <p>Game fish: yes/ no</p> <p>Dangerous fish: poisonous/ harmful/ harmless</p> <p>Bioactivity: locally known/ reported/ not known Details:</p> <p>Period of availability: Throughout the year – yes/ no If no, months:</p>
<p>SALIENT FEATURES:</p> <p>Morphological:</p> <p>Diagnostic characteristics:</p> <p> Female: Prosome with out crest. Genital segment asymmetrical, knob- like protrusion on left posterior margin, right side indented. Leg 4 basipod 1 with two long spines (Grice 1962, Vervoort 1949).</p> <p> Male: Prosome with out crest. Maxilla 1 endopod and basal joint 2 with five setae. Left leg 5-exopod reaching right leg endopod first thickening, terminal exopod joint of right leg with 35 semicircular teeth (Sewell 1947).</p>
<p>Sex attributes:</p> <p>Descriptive characters:</p>

Meristic characteristics:

Feeding habit:

Main food:

Feeding type:

Additional remarks:

The two males from the south –west Pacific are identical to those described by Sewell (1947) except that the terminal exopod joint of the right leg has 31 semicircular teeth..

Size and age:

Maximum length (cm) (male/ female/ unsexed)

Female: 4.25-4.8 mm

Male : 3.8-3.9 mm

Ref. No.:
Bradford &Jillet, 1980

Average length (cm) (male/female/unsexed)

Ref. No.:

Maximum weight: (g) (male/female/unsexed)

Ref. No.:

Average weight: (g) (male/female/unsexed)

Ref. No

Longevity (y) (wild): (captivity)

Ref. No

Length/ weight relation ships:

Eggs and larvae: Characteristics: Abundance: Biochemical aspects: Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash Electrophoresis:	Ref. No. Ref. No. Ref. No.
SPAWNING INFORMATION: Locality:. Season: Fecundity: Comment:	Main Ref:
<p>MAJOR PUBLICATIONS (INDIAN): (Include review articles, monographs, books etc.) Madhupratap, M.and P. Haridas, 1986. Epipelagic calanoid copepods of the Northern Indian Ocean. <i>OCEANOLOGICA ACTA</i> Vol. 9, No.2.</p> <p>LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.)</p> <p>Dr. Rosamma Stephen Scientist, National Institute of Oceanography Regional Centre, Kochi – 682 014 Phone: 390814, Res – 203087 Email rosa@niokochi.org</p> <p>Dr. M.Madhupratap Scientist BOD, National Institute of Oceanography Dona Paula, Goa-403 004. Phone – 221322 E mail- madhu@csnio.ren.nic.in</p> <p>Dr. P.Haridas Scientist National Institute Of Oceanography Regional Centre, Kochi – 682 014 Phone – 390814. E mail-hari@niokochi.org</p> <p>ACKNOWLEDGEMENT: (List of persons who contributed, modified or checked information)</p>	