

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 : Invertebrate (zooplankton) Ostracoda		
Scientific name & Authority : <i>Conchoecetta giesbrechti</i> (Muller), 1906 Common Name (if available):		
Synonyms	Author(s)	Status
<i>Conchoecia giesbrechti</i>	Muller	1906
<i>Conchoecetta giesbrechti</i>	Poulsen	1973
Classification:		
Phylum: Arthropoda	Sub- Phylum	
Super class	Class: Crustacea	Sub- Class: Ostracoda
Order: Myodocopa	Sub Order: Halocypridina	
Super Family:	Family: Halocyprididae	Sub-Family: Conchoecinae
Genus: <i>Conchoecetta</i>	Species: <i>giesbrechti</i>	
Authority: Muller		
Reference No. Muller, G.W., 1906. Ostracoda. <i>Wiss. Ergebn Deutsch. Tiefsee-Exped.</i> , 8 : 29-154.		
Geographical Location: Recorded from the Atlantic, Pacific and Indian Oceans. They were found distributed in the Arabian sea nad Bay of Bengal in large numbers.		
Latitude:	Place:	
Longitude:	State:	

Environment

Fresh water: Yes/ No

Habitat : Marine

Salinity : 32-37 ‰

Brackish : Yes/ No

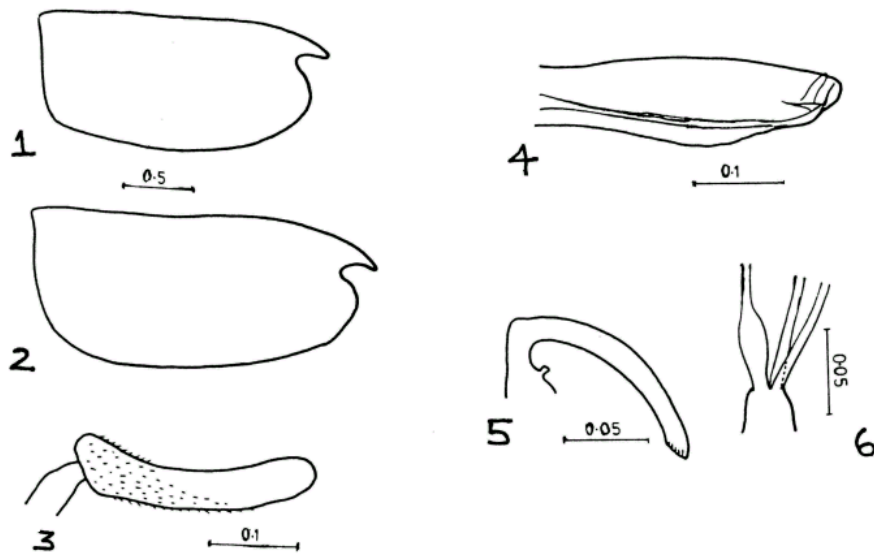
Migrations :

Temperature : 11.5-30.4 °C

Salt water : Yes ✓ / No

Depth range :

Picture (scanned images or photographs of adult / larval stages)



Conchoecetta giesbrechti (Figs. 1-6)

Fig. 1. Male – carapace, lateral view

Fig. 2. Female – carapace, lateral view

Fig. 3. Male – frontal organ

Fig. 4. Male – copulatory limb

Fig. 5. Male – right clasp organ

Fig. 6. Male – 'h', 'i' and 'j' bristle of first antenna

DATA ENTRY FORM: Form- 2(Fish / shellfish / others)
(please answer only relevant fields ; add additional fields if you require)
Form –1 Ref.No.:

IMPORTANCE

Landing statistics (t/y) : from to Place : Ref . No. :
Main source of landing: Yes/ No Coast: east/ west
Importance to fisheries:
Main catching method :
Used for aquaculture : yes/ never/ rarely
Used as bait : yes/no/ occasionally
Aquarium fish : yes/ no/ rarely
Game fish : yes/ no
Dangerous fish : poisonous/ harmful/ harmless
Bioactivity : locally known/ reported/ not known Details:
Period of availability : Throughout the year – yes/ no If no, months:

SALIENT FEATURES :

Morphological:

Diagnostic characteristics:

Carapace:- Length 1.7 to 2.0mm in male and 2.1 to 2.2mm in female. Height about 40% of length in male, only one-third of its length in female. In male posterior shell margin with a series of hairs. Postero-dorsal corner forms an acute angle. Asymmetric glands on the usual place.

First antenna:- Male: The 'e' bristle with about 35 pairs of spines, 'b' and 'd' bristles with a few pairs of spines.

Second antenna:- The 'h' bristle of the endopod with bulbous proximal part .

Frontal organ:- Male: Frontal organ has a rounded end.

Female: Long and slender with uniform thickness but with a narrow end.

Sex attributes:

Descriptive characters:

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks: Poulsen (1973) describes *C. giesbrechti* with the 'b' and 'd' bristles of first antenna without any spinules. The present material shows their presence as in *C. acuminata*.

Size and age:

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

Ref. No.:

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 relationships:

Eggs and larvae:	Ref.
No.Characteristics:	
Abundance:	
Biochemical aspects:	
Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash	Ref. No.
Electrophoresis:	Ref. No.
SPAWNING INFORMATION:	
Locality:	Main Ref:
Season:	
Fecundity:	
Comment:	
<p>MAJOR PUBLICATIONS (INDIAN): (include review articles, monographs, books etc.) George Jacob, 1977. Studies on planktonic ostracods of the Northern Indian Ocean. <i>Ph.D Thesis, University of Cochin</i>, 184pp. George, J and Vijayalakshmi Nair, R., 1980. Planktonic ostracods of the northern Indian Ocean. <i>Mahasagar-Bull. Natn. Inst. Oceanogr.</i>, 13(1): 29-44. Rosamma Stephen and Meenakshikunjamma, P.P., 1996. Ostracods of Andaman Sea. <i>Proceedings of the Second Workshop on Scientific Results of FORV Sagar Sampada</i>, 197-203.</p>	
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<p>ACKNOWLEDGEMENT: (List of persons who contributed , modified or checked information)</p>	