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 : √ Flora Microorganisms

General Category : Invertebrate (zooplankton) Ostracoda

Scientific name &Authority : *Microconchoecia curta* (Lubbock),1860
Common Name (if available):

Synonyms	Author(s)	Status
Conchoecia curta	Lubbock	1860
Microconchoecia clausii var. *similis*	Claus	1891
Conchoecia curta	Muller	1906
Conchoecia curta	Skogsberg	1920
Conchoecia curta	Deevey	1968
Microconchoecia curta	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: *Microconchoecia* Species: *curta*
Authority: Lubbock

Reference No.
Lubbock, J., 1860. On some oceanic Entomostraca collected by Captain Toynbee. *Trans. Linn. Soc. London*. **23**: 173-197.

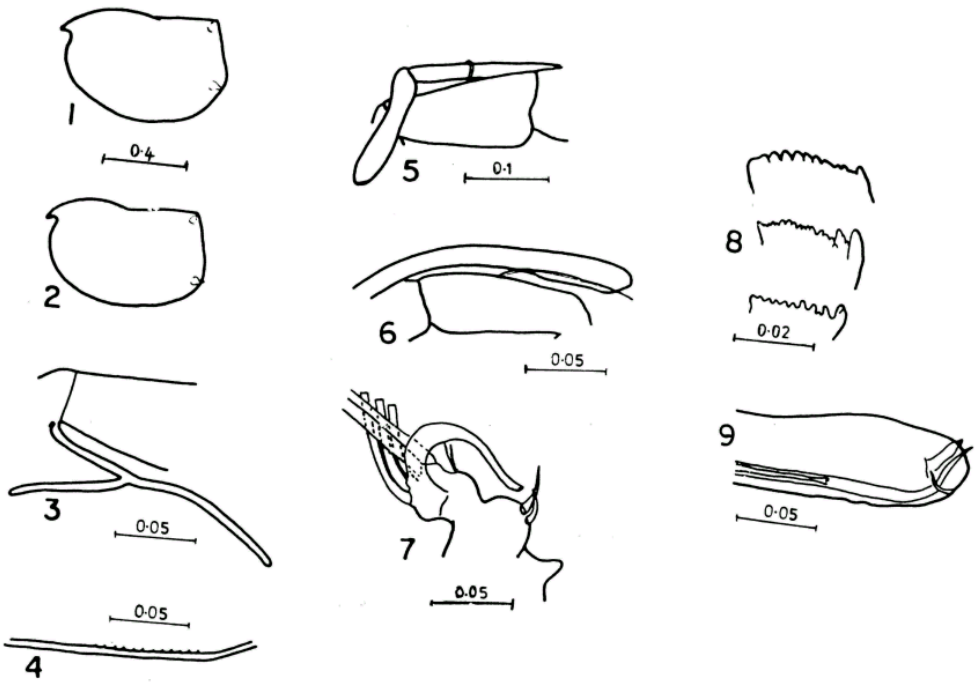
Geographical Location:
Recorded from the Atlantic, Pacific and Indian Oceans. In the Indian Ocean found off Somali and Arabian coast, off south west coast of India and southern Bay of Bengal.
Latitude: Place:

Longitude: State:

Environment

Fresh water: Yes/ No	Habitat : Marine	Salinity : 32.0-36.9 ‰
Brackish : Yes/ No	Migrations :	Temperature : 11.5-30.5 °C
Salt water : Yes √ / No	Depth range :	

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



Microconchoecia curta (Figs. 1-9)

Fig. 1. Male – carapace, lateral view Fig. 2. Female – carapace, lateral view
Fig. 3. Male- ‘a` bristle of first antenna
Fig. 4. Male – armature of ‘e` bristle of first antenna
Fig. 5. Male – frontal organ Fig. 6. Female – frontal organ
Fig. 7. Male – endopod of right second antenna
Fig. 8. Male – tooth-lists of mandible Fig. 9. Male – copulatory limb

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 0.7 to 0.9 mm. Height two-third of its length. Postero-dorsal corner distinct. Postero-ventral corner rounded. Carapace reticulated. Right asymmetric gland opens on the posterior margin dorsally of the posero-ventral corner, left one on the usual place.

First antenna:- Male: The hyaline ‘a` bristle is forked. The ‘b`, ‘d` and ‘e` bristles equally long. The ‘e` bristle with 13 spinules. The ‘b` and ‘d` bristles with a few spines.

Female: The dorsal bristle of the second segment only slightly shorter than this segment.

Second antenna:- Male: Protopodite about half as long as shell. Subequal ‘a` and ‘b` bristles very much curved. The ‘g` bristle is longer than ‘f` bristle and flattened distally. The ‘h` bristle has a little swollen base of spinous nature. Right clasping organ curved with a broad base and narrow distal end.

Mandible:- Toothed edge of pars incisiva of coxale with 10-12 teeth. Distal tooth list with 2 large teeth, one of wich is serrate and about 15 small teeth. Proximal tooth list with about 10-12 irregular teeth decreasing in size. Masticatory pad divided into 2 (or 3) ridgesd; 2 spines also present at its base. Two bristles of the 2nd endopodite segment comparatively long. Second and third segment with group of hairs.

Maxilla:- Basale without any bristle. First endopodite segment with 6 anterior and 4 posterior bristles.

Copulatory limb:- It has a rounded end with the pointed appendage protruding out.

Furca:- Claws bare. Unpaired bristles absent.

Frontal organ:- Male: Shaft reaches about the distal end of the second segment of first antenna. Capitulum somewhat narrow at the middle and has a rounded end.

Female: Not separated into shaft and capitulum and is only as long as the first antenna. It has a rounded end.

Sex attributes:

Descriptive characters:

Meristic characteristics:

Feeding habit:
Main food :
Feeding type :

Additional remarks:

Only one species of the genus *Microconchoecia* is present in the International Indian Ocean Expedition collections. The unique feature of having forked bristle on the first antenna, makes *Microconchoecia,* a well defined genus.

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 relationalships:

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:

MAJOR PUBLICATIONS (INDIAN):
(include review articles, monographs, books etc.)

George Jacob, 1977. Studies on planktonic ostracods of the Northern Indian Ocean. *Ph.D Thesis, University of Cochin,* 184pp.

George, J and Vijayalakshmi Nair, R., 1980. Planktonic ostracods of the northern Indian Ocean. *Mahasagar-Bull. Natn. Inst. Oceanogr.,* **13**(1): 29-44.

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