

**NATIONAL BIORESOURCE DEVELOPMENT BOARD**

Dept. of Biotechnology  
Government of India, New Delhi

For office use:
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**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>Conchoecissa imbricata</i> (Brady), 1880 Common Name ( if available):		
Synonyms	Author( s)	Status
<i>Halocypris imbricata</i>	Brady (part)	1880
<i>Conchoecissa armata</i>	Claus	1981
<i>Conchoecia imbricata</i>	Muller	1890
<i>Conchoecia imbricata</i>	Deevey	1968
<i>Conchoecia imbricata</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>Conchoecissa</i>	Species: <i>imbricata</i>	
Authority: Brady		
Reference No. Brady, G.S., 1880. Report on the Ostracoda dredged by H.M.S. Challenger during the years 1873-1876. <i>Sci. Res. Voyage H.M.S. Challenger, Zool.</i> , <b>1</b> (3): 1-184.		
Geographical Location: Common species in the Atlantic, Pacific and Indian Oceans. But in the IIOE material it was found to be restricted to the equatorial belt.		
Latitude:		Place:
Longitude:		State:

Environment

Fresh water: Yes/ No

Habitat : Marine Salinity : 34.3-35.6 ‰

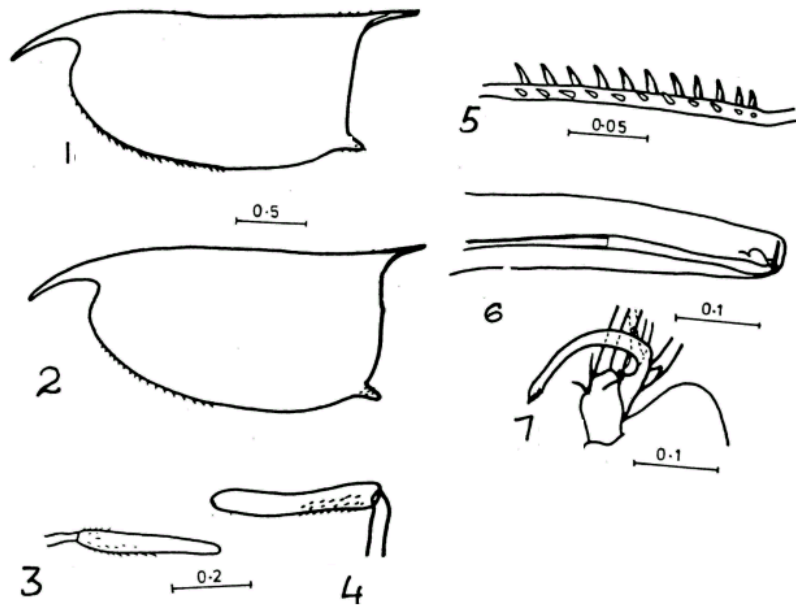
Brackish : Yes/ No

Migrations : Temperature : 12.8-28.7 °C

Salt water : Yes ✓ / No

Depth range :

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



*Conchoecissa imbricata* (Figs. 1-7)

Fig. 1. Male – carapace, lateral view      Fig. 2. Female – carapace, lateral view

Fig. 3. Female – frontal organ              Fig. 4. Male – frontal organ

Fig. 5. Male – armature of 'e' bristle of first antenna

Fig. 6. Male – copulatory limb              Fig. 7. Male – endopod of right second antenna

<p>DATA ENTRY FORM: Form- 2(Fish / shellfish / others )          (please answer only relevant fields ; add additional fields if you require)          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>Carapace:- Length 2.2 mm in male and 2,2-2.4 mm in female. Rostrum long and symmetrical. Postero-dorsal corner of each valve produced with long processes of which left one is longer. Postero-ventral processes are short and blunt. Carapace is distinctly sculptured, in the form of rectangular blocks. Antero-ventral margin is more spinous.</p> <p>First antenna:- Male: Armature of ‘e` bristle consists of 11 pairs of pointed spines, the middle ones slightly alternating.</p> <p>Second antenna:- Male: The ‘a` and ‘b` bristles are bare. One bristle (‘c` or ‘d`) of 2<sup>nd</sup> endopodite segment is exceptionally long. Clasping organs resemble that of <i>C. symmetrica</i> (Skogsberg, 1920). The ‘f` bristle is sword-shaped distally. The ‘h`, ‘i` and ‘j` bristles with shafts and at the joint of the shaft ‘h` bristle is swollen. In female ‘h`, ‘i` and ‘j` bristles with spines proximally.</p> <p>Frontal organ:- Both male and female capitulum are long and slender. Capitulum is separated from the shaft and with a rounded end. The proximal spines on ventral margin of female capitulum are larger.</p> <p>The setations of appendages are about the type described for <i>C. symmetrica</i> (Skogsberg, 1920).</p>			
<p>Sex attributes:</p> <p>Descriptive characters:</p>			

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks:

This species can be identified by the characteristic shape of having long processes. The presence of long processes are very rare among halocyprids.

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.
<b>SPAWNING INFORMATION:</b>	
Locality:	Main Ref:
Season:	
Fecundity:	
Comment:	
<p><b>MAJOR PUBLICATIONS (INDIAN):</b> (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>, <b>13</b>(1): 29-44.</p> <p><b>LIST OF INDIAN EXPERTS</b>(Name, address, phone, fax, e-mail etc.)</p> <ol style="list-style-type: none"> <li>1. Dr. Jacob George Pulickal Soonoro Church Road Elamkulam Kochi – 682 020</li> <li>2. Dr. Vijayalakshmi R. Nair HB/50, “Vijaya” South Bridge Avenue, Panampilly Nagar, Kochi - 682036 Tel: 0484 - 316999 Fax: 0484 - 324972 e – mail: <a href="mailto:vijayalakshmi40@hotmail.com">vijayalakshmi40@hotmail.com</a></li> <li>3. Dr. Rosamma Stephen Scientist, National Institute of Oceanography Regional Centre, Kochi – 682 014 Phone: 390814, Res – 203087 Email <a href="mailto:rosa@niokochi.org">rosa@niokochi.org</a></li> </ol> <p><b>ACKNOWLEDGEMENT:</b> (List of persons who contributed , modified or checked information)</p>	