

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>Euconchoecia chierchiae</i> Muller, 1890 Common Name (if available) :		
Synonyms:	Author(s)	Status
Classification: Phylum: Arthropoda Sub- Phylum Super Class : Class : Crustacea Sub- Class: Ostracoda Super Order: Order: Myodocopa Sub Order : Halocypridina Super Family: Family : Halocyprididae Sub-Family: Euconchoecinae Genus : <i>Euconchoecia</i> Species : <i>chierchiae</i> Authority: Muller Reference No. Muller, G.W., 1890. Uber Halocypriden. <i>Zool. Jb. Abt. System.</i> , 5 : 253-280.		
Geographical Location: Distributed all over the oceans. In the Arabian sea, it was present mainly off Somali coast and in the Gulf of Aden. In the Bay of Bengal it occurred in the Malacca Strait, and also in Andaman Sea in large numbers at random stations.		
Latitude:	Place:	
Longitude:	State:	

Environment

Fresh water: Yes/ No

Habitat : Marine

Salinity : 32.4-33.8‰

Brackish : Yes/ No

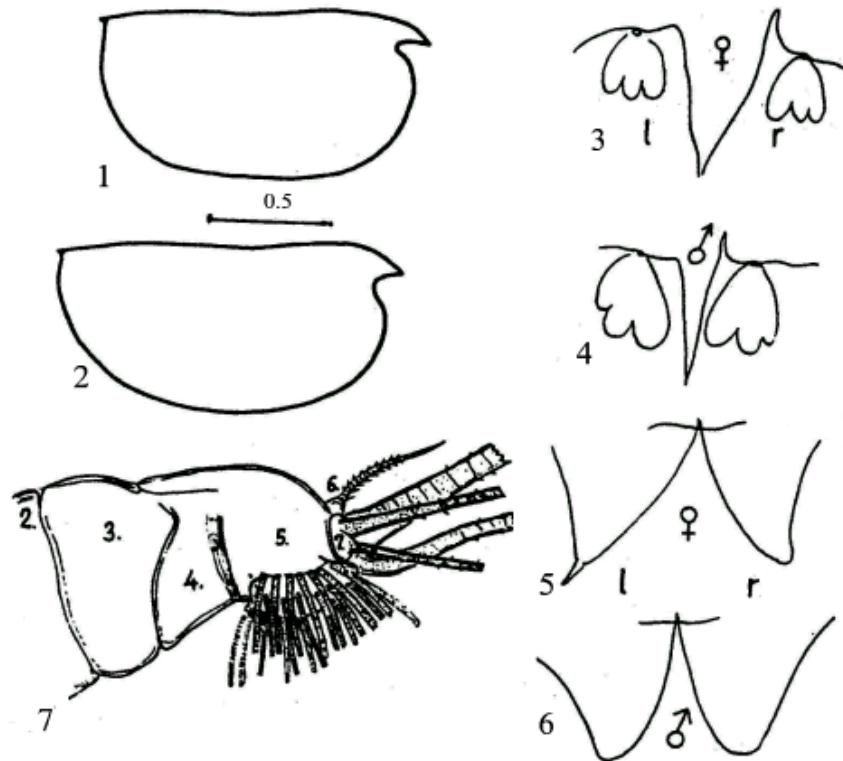
Migrations :

Temperature : 24.0-29.0°C

Salt water : Yes✓/ No

Depth range :

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



Euconchoecia chierchiae After George, 1977 (Figs.1-2) and Poulsen, 1969 (Figs.3-7)

1 – Male – carapace, lateral view; 2 – Female – carapace, lateral view;

3 & 4 – Dorsal view of the shell corners (ventral view) on the opened, flattened valves;

5 & 6 – Rostrum (ventral view) on the opened, flattened valves;

l – left valve; r – right valve;

7 – Distal part of first antenna, left limb, mv x 730.

DATA ENTRY FORM: Form- 2(Fish / shellfish / others) Ref.No.: (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 varies from 1.0 to 1.3 mm in male and 1.2-1.4 mm in female. The height of the shell in per cent the length is 55% for males and 46% for females. Posterodorsal corner of right valve with moderately long spine and left one with a minute spine and rostrum broad and rounded. First antenna: The stem in male built of 7 joints with that part bearing about 25 sensory filaments being the 5 th joint. The well defined end – joint with 4 longer bristles, then is the 7 th joint. A small process dorso – proximally of 7 th joint bears 9 ringed bristle with short marginal hairs and is considered as the 6 th joint. Second antenna: The 1 st endopodite joint has numerous exceedingly short hairs on its proximal part. The longest seta of the endopodite of the male second antenna is considerably longer than the shell. Copulatory limb: The anterior margin is straight and posterior margin convex. Frontal organ: It is uniformly thin with a pointed end reaching the disto – dorsal boundary of the second segment. Furca: Furca has seven claws.			
Sex attributes:			
Descriptive characters:			

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks:

Skogsberg (1920) did not include Muller (1906) in his list of synonyms, because he doubted that Muller had combined and confused two closely related forms. Moreover, the shape of female specimens of Muller (1906) and Skogsberg (1920) are slightly different. In the IIOE specimens, shape of the female, and the length of frontal organ are more similar to Muller's figures. Careful examination of the appendages of the present specimens do not show any remarkable difference to descriptions of Skogsberg (1920). Considering all these factors, *E. chierchiaae*, Muller (1906) is also included as a synonym.

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: Characteristics: Abundance:	Ref. No.:
Biochemical aspects: Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash Electrophoresis:	Ref. No. Ref. No.
SPAWNING INFORMATION:	
Locality: Season: Fecundity: Comment:	Main Ref:
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, 184pp.</i>	
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.	
Poulsen, E. M. 1969. Ostracoda – Myodocopa Part III A. Halocypriformes – Thaumatoocypridae and Halocypridae. <i>Dana Rep.</i> 75 : 1-100.	
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.	
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