

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), Ostracoda		
Scientific name & Authority: <i>Paraconchoecia elegens</i> (Sars), 1865		
Common Name (if available) :		
Synonyms:	Author(s)	Status
<i>Conchoecia elegens</i>	Sars	1865
<i>Paraconchoecia gracilis</i>	Claus	1891
<i>Conchoecia elegens</i>	Muller	1906
<i>Conchoecia elegens</i>	Deevey	1968
<i>Paraconchoecia elegens</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>Paraconchoecia</i>	Species: <i>elegens</i>	
Authority: Sars		
Reference No.		
Sars, G.O., 1865. Oversight of Norges Marine Ostracoder Sectis 2. Myodocopa. <i>Farh. Vid. Selsk.</i> , 99-120.		
Geographical Location: Widely distributed in the Atlantic, Indian and Pacific Oceans. In the Indian Ocean found in the Arabian sea and Bay of Bengal, but distribution is rather sporadic in the Bay of Bengal. It is more abundant along the Arabian coast and the mouth of Persian Gulf.		
Latitude:	Place:	
Longitude:	State:	

Environment

Fresh water: Yes/ No

Habitat : Marine

Salinity : 33.2-37.4‰

Brackish : Yes/ No

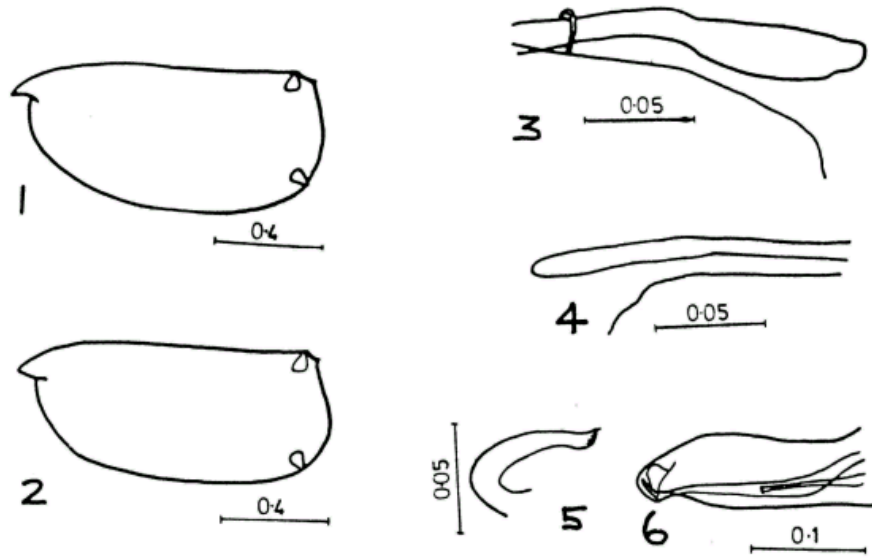
Migrations :

Temperature : 10.2- 30.5°C

Salt water : Yes ✓ / No

Depth range :

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



Paraconchoecia elegans (Figs. 1-6)

Fig. 1. Male – carapace, lateral view

Fig. 2. Female – carapace, lateral view

Fig. 3. Male – frontal organ

Fig. 4. Female – frontal organ

Fig. 5. Male – right clasp organ

Fig. 6. 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 1.1 to 1.3mm and 1.1 to 1.5mm in male and female respectively. Elongated shape narrowing anteriorly.

Mandible:- Toothed edge of coxale with 11 teeth. Distal tooth list with 2 large and about 14 smaller teeth. Proximal tooth list about 20 teeth, 2 or 3 posterior ones are larger.

Copulatory limb has a curved tip

Sex attributes:

Descriptive characters:

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks:

P. elegans closely resembles to *P. discophora*. Though not as numerically abundant as many other species, has been reported by most of the previous authors and it is known to have a very wide distribution

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>	