

**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 : Ivertebrate (Zooplankton), Copepoda		
Scientific name & Authority: <i>Paracalanus parvus</i> Giesbrecht, 1892		
Common Name ( if available ) :		
Synonyms: <i>Paracalanus parvus</i>	Author( s) Giesbrecht	Status 1892
Classification:		
Phylum: Arthropoda	Sub- Phylum	
Super class	Class: Crustacea	
	Sub- Class: Copepoda (Milne Edwards 1840)	
Super Order: Copepoda	Order: Calanoida (Sars 1903)	
Super Family:	Family: Paracalanidae	Sub-family:
Genus: <i>Paracalanus</i>	Species: <i>parvus</i>	
Authority: Giesbrecht		
Reference No.		
Giesbrecht, W., 1892. Systematik und Faunistik der pelagischen Copepoden des Colfes von Neapel. <i>Fauna Flora Gulf Neapel</i> , <b>19</b> .		
Geographical Location: Shelf waters		
Latitude: 25°N - 30°S		Place: Indian Ocean
Longitude: 20° - 120°E		State:

Environment

Fresh water : Yes/ No

Habitat : Marine

Salinity : > 30‰

Brackish : Yes/ No

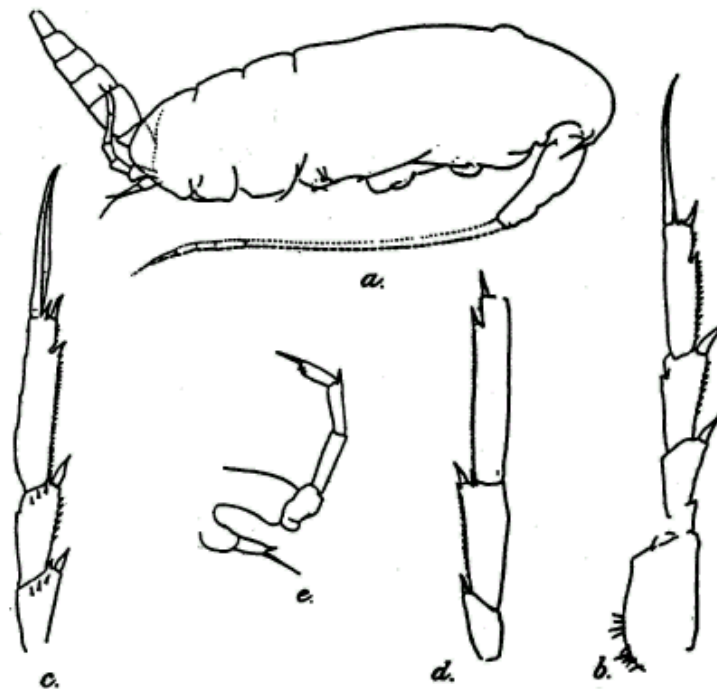
Migrations :

Temperature :

Salt water : Yes✓/ No

Depth range : 100 – 0m

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



*Paracalanus parvus* (After Sewell, 1999)

a – whole animal, right side; b – 2<sup>nd</sup> swimming leg, exopod;  
c – 3<sup>rd</sup> swimming leg, exopod; d – 4<sup>th</sup> swimming leg, exopod

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:

The proportional lengths of the cephalosome and urosome are as 31 to 9; the urosome being thus contained 3.44 times in the length of the anterior region of the body.

The body is comparatively robust and the forehead is uniformly rounded, terminating below in a pair of long and delicate rostral spines. The head and 1<sup>st</sup> thoracic segment are incompletely fused, traces of the original line of separation being clearly visible across the dorsal surface. The posterior border of the thorax is slightly emarginated.

The 1<sup>st</sup> urosomal segment is armed with a row of small spinules that runs parallel to and close to the posterior margin, except on the ventral aspect. The genital aperture is somewhat angular.

The 1<sup>st</sup> antenna reaches back to the 2<sup>nd</sup> urosomal segment.

Segment 12 bears a short oblique row of minute spinules and segments 13 to 23 inclusive each bear a longitudinal row of spinules along the proximal half of the segment.

The proportional lengths of the cephalosome and urosome were as 28 to 11, the urosome thus being contained 2.55 times in the anterior region of the body. The dorsal profile shown a uniform curve and there is present in the mid-dorsal line the same small transparent swelling. The posterior thoracic margin is somewhat sharply rounded. The urosome consists of five segments.

Male : The 5<sup>th</sup> thoracic segment is distinct from the fourth. The fifth pair of feet is uniramous and asymmetrical. The right foot consists of 2 segments, the left consists of 5 segments. The terminal 2 setae on both feet are different length.

Diagnostic characteristics: -

P2 – P4 the margin of the distal portion of the last segment, the margin of the 2<sup>nd</sup> segment of the exopod are fringed with small spines.

Sex attributes:

Descriptive characters:

Meristic characteristics :

Feeding habit:

Main food :

Feeding type :

Additional remarks :

Size and age :

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

Ref. No.:

Female: 0.7 – 1.20 mm

Sewell, 1999

Male : 0.8 – 1.2 mm

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:	
<b>MAJOR PUBLICATIONS (INDIAN):</b> (Include review articles, monographs, books etc.)	
Sewell, R.B.S., 1947. The Free swimming Planktonic Copepoda. Systematic Account. <i>The John Murray Expedition 1933-1934</i> , Scientific Reports. Vol. VIII, No.1.	
Rosamma Stephen, 1984. Distribution of Calanoid Copepods in the Arabian Sea and Bay of Bengal. <i>Mahasagar</i> 17(3): 161-171.	
Madhupratap, M. and P. Haridas, 1986. Epipelagic calanoid copepods of the Northern Indian Ocean. <i>OCEANOLOGICA ACTA</i> Vol. 9, No.2.	
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