

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), Copepoda																
Scientific name & Authority: <i>Acrocalanus gibber</i> Giesbrecht, 1888																
Common Name (if available) :																
Synonyms:	Author(s)	Status														
<p>Classification:</p> <table> <tr> <td>Phylum: Arthropoda</td> <td>Sub- Phylum</td> </tr> <tr> <td>Super class</td> <td>Class: Crustacea</td> </tr> <tr> <td></td> <td>Sub- Class: Copepoda (Milne Edwards 1840)</td> </tr> <tr> <td>Super Order: Copepoda</td> <td>Order: Calanoida (Sars 1903)</td> </tr> <tr> <td>Super Family:</td> <td>Family: Paracalanidae Sub-family:</td> </tr> <tr> <td>Genus: <i>Acrocalanus</i></td> <td>Species: <i>gibber</i></td> </tr> <tr> <td>Authority: Giesbrecht</td> <td></td> </tr> </table> <p>Reference No. Giesbrecht, W. 1888. Elenco dei copepodi pelagici raccolti dal tenente di vascello Gaetano Chierchia durante il viaggio della R. Corvetta "Vettor Pisani" negli anni 1882-1885, e dal tenente di vascello Francesco Orsini nel Mar Rosso, nel 1884. <i>Atti dell' Accademia nazionale dei Lincei. Rendiconti</i> 4: 284-287, 330-338.</p>			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>Acrocalanus</i>	Species: <i>gibber</i>	Authority: Giesbrecht	
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>Acrocalanus</i>	Species: <i>gibber</i>															
Authority: Giesbrecht																
Geographical Location: Widely distributed in the tropical waters.																
Latitude: 25°N -25°S	Place: Indian Ocean															
Longitude: 20° - 120°E	State:															

Environment

Fresh water : Yes/ No

Habitat : Marine

Salinity : > 35‰

Brackish : Yes/ No

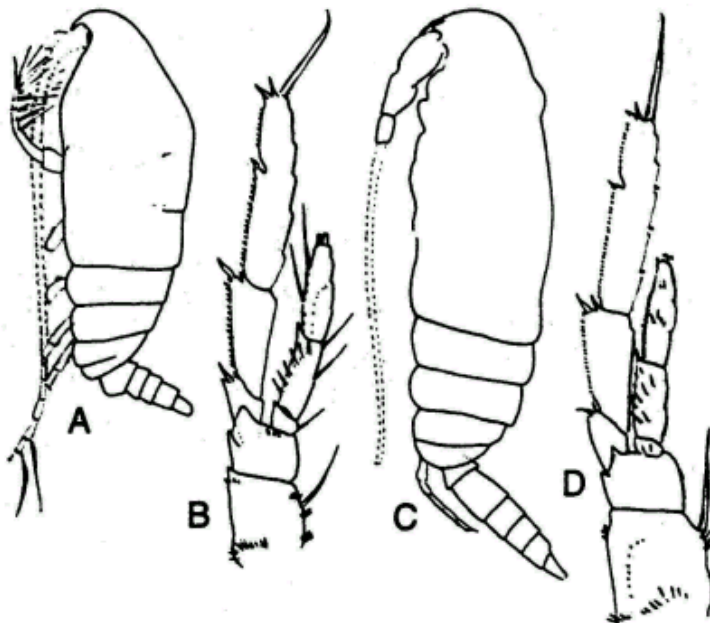
Migrations :

Temperature :

Salt water : Yes/ No

Depth range : Mostly epipelagic

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



Acrocalanus gibber (After Bradford-Grieve, 1994)

Female: A – lateral view; B – leg 4;

Male: C – lateral view; D – leg 4.

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:

Female : As in the generic description with the following additional points. The outline of the head is inflated in lateral view and the line of separation of the head from pedigerous segment 1 is apparent; antenna 1 exceeds the end of the caudal rami by the 2 terminal segments, segments 19-22 toothed outer border of exopod 3 of swimming leg 4 is about 60% of the length of the proximal part of the toothed border.

Male : Proportions of exopod segments 2 and 3 and the terminal spine to one another. Leg 5 extends to the end of urosome segment 3 or the middle of urosome segment 4 when this leg is fully extended. Males are very difficult to tell apart.

Diagnostic characteristics: -

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.:

Females 0.93 – 1.13 mm

Bradford-Grieve, 1994

Male 0.94 – 1.24 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.
SPAWNING INFORMATION:	
Locality:	Main Ref:
Season:	
Fecundity:	
Comment:	
MAJOR PUBLICATIONS (INDIAN): (Include review articles, monographs, books etc.)	
Sewell,R.B.S. 1929. "Copepoda of Indian Seas – Calanoida", <i>Mem. Indian Mus.</i> , Vol X.	
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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ACKNOWLEDGEMENT: (List of persons who contributed, modified or checked information)	