

**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>Spinocalanus magnus</i> Wolfenden, 1911 Common Name ( if available) :		
Synonyms:	Author(s)	Status
Classification:		
Phylum: Arthropoda	Sub- Phylum	
Super Class :	Class : Crustacea	Sub- Class: Copepoda (Milne-Edwards,1840)
Super Order: Gymnoplea	Order: Calanoida (Sars1903)	Sub Order :
Super Family:	Family : Pseudocalanidae	Sub-Family:
Genus : <i>Spinocalanus</i>	Species : <i>magnus</i>	
Authority: Wolfenden Reference No.: Wolfenden, R. N., 1911. "Die Marinen Copepoden. II Die Pelagischen Copepoden der Westwind – Drift und der Sudlichen Eismeers " <i>Dutsche Sud – Polar Expedition</i> , Vol. <b>XII</b> , Pt. 4., Berlin.		
Geographical Location: Recorded from the deep waters of Atlantic, Pacific and Indian Oceans.		
Latitude: 25°N to 30°S	Place: Indian Ocean	
Longitude: 20°E to 120°E	State:	

Environment

Fresh water: Yes/ No

Habitat : Marine

Salinity : >35‰

Brackish : Yes/ No

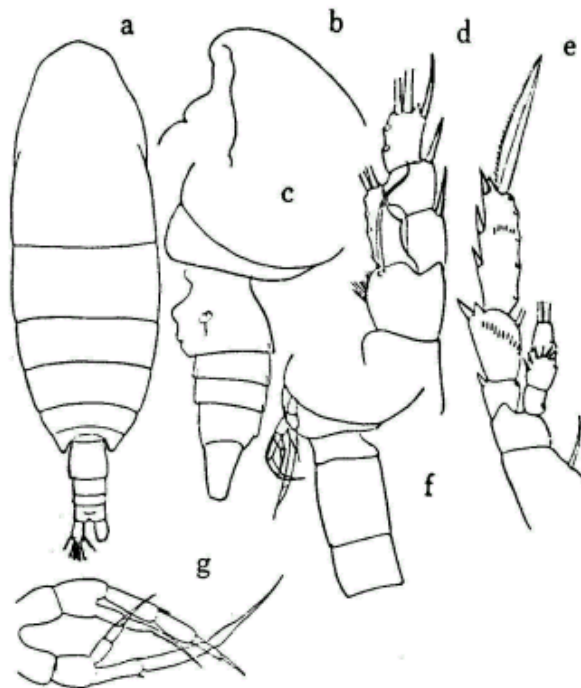
Migrations :

Temperature : <20°C

Salt water : Yes✓ / No

Depth range : Bathypelagic

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



*Spinocalanus magnus* (After Tanaka, 1956)

Female: a – dorsal aspect; b – prosome lateral aspect; c – last pedigerous segment and abdomen, lateral aspect; d – 1<sup>st</sup> leg; e – 2<sup>nd</sup> leg.

Male: f – last pedigerous segment and abdominal segments, lateral aspect; g – 5<sup>th</sup> pair of legs.

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.:	
<b>IMPORTANCE</b>  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:	
<b>SALIENT FEATURES :</b> Morphological:   Diagnostic characteristics: Female: The cephalothorax elongate ovate; the last pedigerous segment not produced as that figured by Sars. The urosome 4-segmented, the segments and furca in the proportions 36: 14: 11: 18: 21=100. the genital segment produced below; the genital part has irregular swellings; the furcal rami 1.5 times as long as wide. The second antennae has the exopodite about as long as the endopodite; the other mouth parts as described by Wolfenden. In the 1 <sup>st</sup> leg the 2 <sup>nd</sup> basal joint has several spinules on the inner distal margin. The 2 <sup>nd</sup> leg has 3-jointed exopodite and 2-jointed endopodite, the 2 <sup>nd</sup> and 3 <sup>rd</sup> joints of the exopodite, and the 2 <sup>nd</sup> joint of the endopodite are each furnished with a row of spinules. The 3 <sup>rd</sup> and 4 <sup>th</sup> legs have each 3-jointed exopodite and endopodite. The 5 <sup>th</sup> leg absent. Male: The general appearance as in the female. The urosome is contained 2.7 times in the length of the cephalothorax; the urosome 5-segmented, the segments and furca in the proportions 15: 19: 14: 21: 10: 21=100. The furcal rami 2 times as long as wide. The 1 <sup>st</sup> antenna reaches back to the end of the furca. The 1 <sup>st</sup> to 4 <sup>th</sup> legs as those of the female. The 5 <sup>th</sup> pair of legs have 3-jointed exopodite and 2-jointed endopodite on each side.	
Sex attributes:   Descriptive characters:	

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks:

Size and age:

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

Female: 2.50 mm

Male : 2.13 mm

Ref. No.:

Tanaka, 1956

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.)	
Madhupratap, M. and P. Haridas, 1986. Epipelagic calanoid copepods of the Northern Indian Ocean. <i>OCEANOLOGICA ACTA</i> , <b>9</b> (2): 105-117.	
<b>LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.)</b>	
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