

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>Undeuchaeta major</i> Giesbrecht, 1888 | | |
| 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 : Aetideidae | Sub-Family: |
| Genus : <i>Undeuchaeta</i> | Species : <i>major</i> | |
| Authority: Giesbrecht | | |
| Reference No.: | | |
| Giesbrecht, W., 1888. "Elenco dei copepodi pelagici raccolti dal tenente di vascello G. Chierchia durante il viaggio della R. Corvetta "Vettor Pisani" negli anni 1882-1885, e dal tenente di vascello F. orisini nel Mar Rosso nel 1884" <i>Atti Accad. Lincei Roma.</i> , 4: 2 Sem. 1888. | | |
| Geographical Location: | | |
| 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

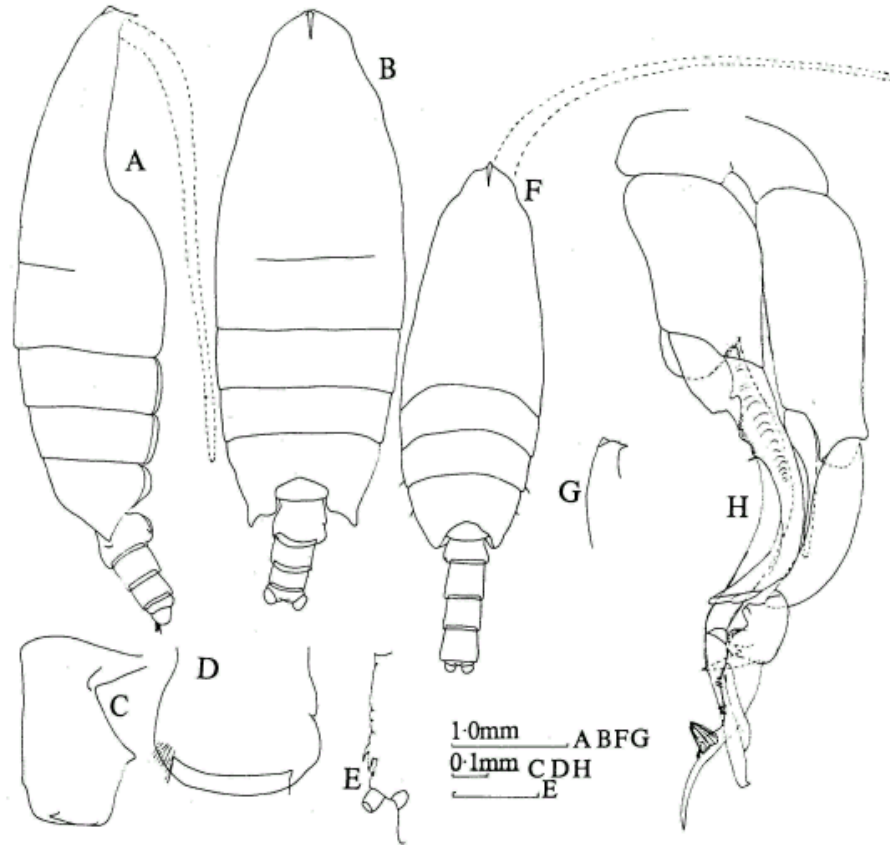
Migrations :

Temperature : <15°C

Salt water : Yes✓ / No

Depth range :

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



Undeuchaeta major (After Bradford and Jillett, 1980)

Female: A – lateral view; B – dorsal view; C – right side of genital segment;

D – dorsal view of genital segment; E – inner edge of basipod 1 of leg 4.

Male: F – dorsal view; G – lateral view of anterior of prosome; H – leg 5.

| | |
|--|--|
| 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: Female: Prosome and pedigerous segment 1 incompletely fused, prosome with low crest. Posterolateral metasomal margins triangularly produced, terminating in blunt slightly asymmetrical points, pointing slightly outwards on right. Urosome one quarter length of metasome; genital segment with tubercle on right, genital protuberance large with posteriorly directed spine on right of genital opening. Basipod 1 of leg 4 with internal border not quite smooth with 1-4 closely placed teeth at base of internal seta. Male: Prosome crest as in female, body more slender with posterior metasome regularly rounded. Right leg 5 endopod has peg-like basal tooth and two more distal processes differently shaped from that in <i>U. plumose</i> , right leg 5 exopod joint 2 one half length of exopod joint 1. | |
| Sex attributes: Descriptive characters: | |

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks:

Size and age:

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

Female: 4.2-5.5 mm

Male : 3.90-4.92 mm

Ref. No.:

Bradford and Jillett, 1980

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.) | |
| Madhupratap, M. and P. Haridas, 1986. Epipelagic calanoid copepods of the Northern Indian Ocean. <i>OCEANOLOGICA ACTA</i> , 9 (2): 105-117. | |
| LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.) | |
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| ACKNOWLEDGEMENT: (List of persons who contributed, modified or checked information) | |