

**NATIONAL BIORESOURCE DEVELOPMENT BOARD**

Dept. of Biotechnology  
Government of India, New Delhi

For office use:
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**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 : Invertebrate (zooplankton) Ostracoda		
Scientific name & Authority : <i>Bathyconchoecia angeli</i> , George, 1977		
Common Name ( if available) :		
Synonyms:	Author(s)	Status
Classification:		
Phylum: Arthropoda	Sub- Phylum	
Super Class :	Class : Crustacea	Sub- Class: Ostracoda
Super Order:	Order: Myodocopa	Sub Order : Halocypridina
Super Family:	Family : Halocyprididae	Sub-Family:Euconchoecinae
Genus: <i>Bathyconchoecia</i>	Species : <i>angeli</i>	
Authority: Deevey		
Reference No.		
George, J. 1977. <i>Bathyconchoecia angeli</i> sp.nov. A new halocyprid ostracod from the Malacca Strait, Indian Ocean. <i>Crustaceana</i> , <b>33</b> (1) : 70-74.		
Geographical Location:		
A single female specimen obtained from IIOE collections from Malacca Strait Indian Ocean.		
Latitude: 06°36'N	Place:	
Longitude:98°03'E	State:	

Environment

Fresh water: Yes/ No

Habitat : Marine

Salinity :

Brackish : Yes/ No

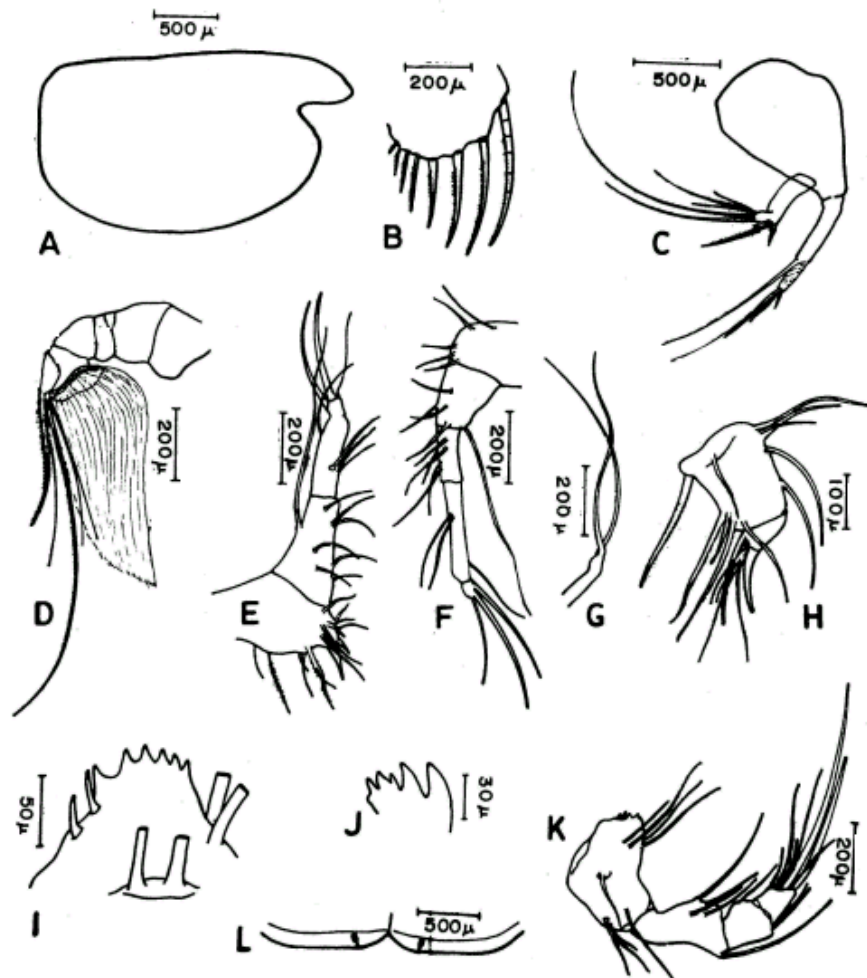
Migrations :

Temperature :

Salt water : Yes✓/ No

Depth range : 200-0 m

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



*Bathyconchoecia angeli* (After George, 1977)

- A – Carapace, lateral view; B – Caudal furca; C – Second antenna;  
D – First antenna; E – Fifth limb; F – Sixth limb; G – Seventh limb;  
H – Maxilla; I – Mandible, toothed edge of basale;  
J – Mandible, toothed edge of coxale; K – Mandible, endopodite;  
L – Carapace, posterior edge.

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 :
Main source of landing: Yes/ No			Coast: east/ west
Importance to fisheries:			Ref . No.:
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:			
<p>Carapace: Length 2.5mm and height 1.35 mm. Large and blunt rostrum pointed forwards. Dorsal margin straight with a concavity at hinge line at about middle of its length. Antero-ventral and postero-ventral corners rounded. Sculpturing faintly visible. with irregular striations and minute hollowed out pits all over carapace. Very faint traces of sculpturing in a scale like pattern present around the rostral area. ‘Asymmetric glands’ open asymmetrically on posterior margin, level with carapace margin 0.23 mm below the postero-dorsal corner.</p>			
<p>First antenna: Shaft about 19% of carapace length and bent distally. Disto-ventral margin of the first segment bulged out as shown for <i>B. baskiae</i> (Poulsen, 1969). Fifth segment (3<sup>rd</sup> according to Deevey, 1968) with a cluster of 250-300 sensory filaments arranged in 10-12 rows. Sixth segment with a plumose dorsal seta, 0.36 mm long. End segment with principal seta, 0.9 mm long and 3 setae shorter than sensory filaments.</p>			
<p>Second antenna: Protopodite about 33% of carapace length. First exopodite segment as long as rest of segments put together. End segment carried 3 spinose setae of differing length. First endopodite segment with 2 setae provided with small spinules. ‘b’ seta provided with long hairs proximally, 3 times as long as ‘a’ seta. End segment with 5 setae, two of which shorter than ‘b’ bristle of the first segment.</p>			
<p>Mandible: Coxale endite with a spherical masticatory pad of small denticles and spines. Toothed edge with 5 or 6 blunt uneven teeth. Proximal and distal tooth lists fused into a single row of 7 teeth, the 2 teeth of anterior end placed one in front of the other. Basale with 2 spine teeth and 6 broad teeth. 3 plumose setae present near the distodorsal margin of basale endite. Endopod, very much similar to other species of the genus. Out of 7 bristles of end segment, 2 are claw like, provided with spinules, and one of them extremely long.</p>			
<p>Maxilla: Endopod with a fine covering of small hairs in patches. Anterior stage of first endopodite segment with 4 setae proximally and one distally, posterior edge with</p>			

one proximally and 4 distally, provided with hairs. Second segment with 2 stout claws and 4 thin setae.

Furca: Furca with 8 pairs of thin claws decreasing gradually in length posteriorly. First claw 5 jointed. Long unpaired bristle present behind claws.

Sex attributes:

Descriptive characters:

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks:

A new species recorded from Malacca Strait collected by Indian Ocean Standard net in a vertical haul from 200-0 m.

Size and age:

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

Ref. No.:

Length: 2.5 mm Height 1.35 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: Characteristics: Abundance:	Ref. No.:
Biochemical aspects: Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash Electrophoresis:	Ref. No. Ref. No.
SPAWNING INFORMATION:	
Locality: Season: Fecundity: Comment:	Main Ref:
<p>MAJOR PUBLICATIONS (INDIAN): (include review articles, monographs, books etc.)</p> <p>George Jacob, 1977. Studies on planktonic ostracods of the Northern Indian Ocean. <i>Ph.D Thesis, University of Cochin</i>, 184pp.</p> <p>George, J and Vijayalakshmi Nair, R., 1980. Planktonic ostracods of the northern Indian Ocean. <i>Mahasagar-Bull. Natn. Inst. Oceanogr.</i>, <b>13</b>(1): 29-44.</p> <p>LIST OF INDIAN EXPERTS(Name, address, phone, fax, e-mail etc.)</p> <ol style="list-style-type: none"> <li>1. Dr. Jacob George Pulickal Soonoro Church Road Elamkulam Kochi – 682 020</li> <li>2. Dr. Vijayalakshmi R. Nair HB/50, “Vijaya” South Bridge Avenue, Panampilly Nagar, Kochi - 682036 Tel: 0484 - 2316999 Fax: 0484 - 2324972 e – mail: <a href="mailto:vijayalakshmi40@hotmail.com">vijayalakshmi40@hotmail.com</a></li> <li>3. Dr. Rosamma Stephen Scientist, National Institute of Oceanography Regional Centre, Kochi – 682 014 Phone: 2390814, Res – 2203087 Email <a href="mailto:rosa@niokochi.org">rosa@niokochi.org</a></li> </ol> <p>ACKNOWLEDGEMENT: (List of persons who contributed , modified or checked information)</p>	