NATIONAL BIORESOURCE DEVELOPMENT BOARD
Dept. of Biotechnology
Government of India, New Delhi

For office use:

MARINE BIORESOURCES
FORMS DATA ENTRY**:** Form- 1(general**)**

Fauna: √	Flora	Microorganisms

General Category: Invertebrata (Zooplankton) Pelagic amphipod

Scientific name &Authority: *Spinoscina echinata* (Vinogradov, 1964)
Common Name (if available):

Synonyms:	Author(s)	Status
Spinoscina echinata (*Ctenoscina*)	Vinogradov	1964:140

Classification:

Phylum: Arthropoda	Sub- Phylum: Mandibulata	Sub- Class: Malacostraca
Super class	Class: Crustacea	Sub Order: Hyperiidea
Super Order: Peracarida	Order: Amphipoda	Sub-Family
Super Family: Scinoidea	Family: Scinidae	
Genus: *Spinoscina*	Species: *echinata*	

Authority: (Vinogradov, 1964)
Reference No.: Vinogradov, M.E. 1964. Hyperiidea Physosomata severnoi chasti Indiiskogo okeana [Hyperiidea Physosomata from the northern part of the Indian Ocean]. *Tr. In- ta Okeanol. AN SSR,* vol, 65, PP. 107-151.

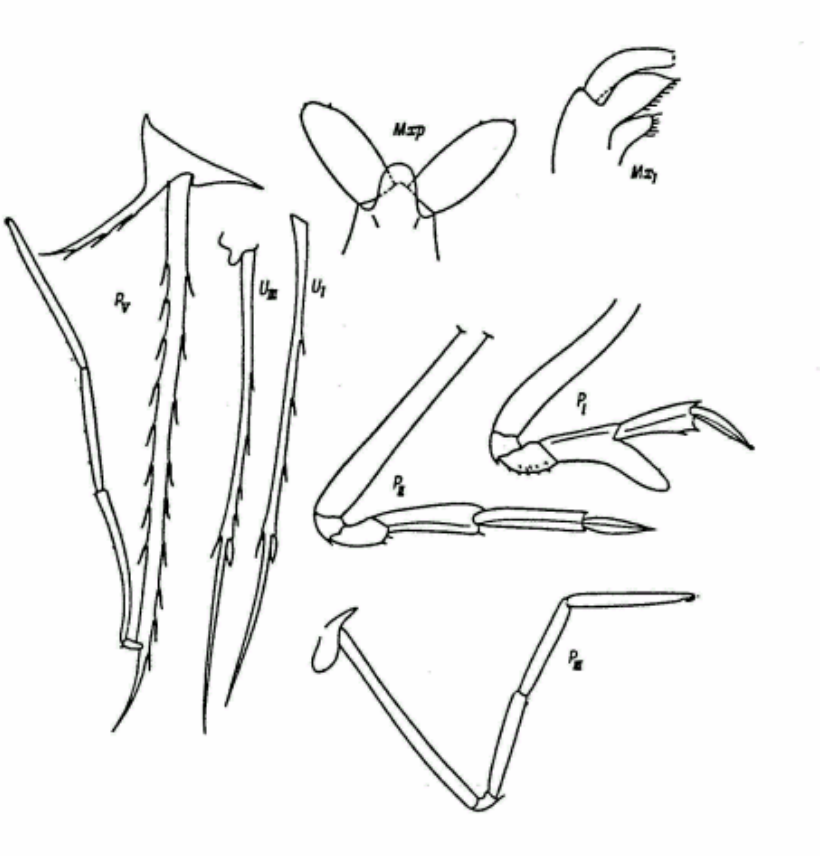
Geographical Location: Found in the Indian Ocean in the central region (16°03'S, 90°06' E) and in the Arabian Sea in catches from depths of 2,020-2,990 and 0-2,010 m.

Latitude:	Place:
Longitude:	State:

Environment

Freshwater:	Yes/ No	Habitat: Marine	Salinity:
Brackish:	Yes/No	Migrations:	Temperature:
Salt Water:	Yes√/ No	Depth range :	

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



Spinoscina echinata (Vinogradov, 1964)

DATA ENTRY FORM: Form –2 (Fish/ Shell fish/ 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: This species is close to *S. spinosa.* The following differences were noted: the lateral spines on the head and the dorsal denticles on the pereon and pleon somites are longer than in *S. spinosa*. One spine occurs on each side of the distal surface of pereon somites III-VI and pleon somites I-III. The outer lobe of maxillae I is armed on the distal margin with only a single spine while the distal end of the inner lobe is almost straightly truncated. The outer lobes of the maxillipeds are amygdaloid and in the distal part of the inner margin bear only two short setae; the unarmed inner lobes f all far short of ½ the length of the outer lobes, and their distal margin is rounded.

The claws of pereopods I and II are longer and broader than in *S. spinosa;* the lobe on the 5^{th} segment of pereopods I is strongly developed and, moreover, the 6^{th} segment also has a weakly developed lobe. In pereopods III-V the 6^{th} segment is longer than the 5^{th}, which in turn is shorter than the 4^{th} segment. The basipodites of the uropods bear curved spines only on the anterior margin; on the posterior margin there is a solitary spine opposite the place of attachment of the exopodite.

Sex attributes:
Dimorphic
Male: 1^{st} antenna well developed, female: 1^{st} antenna reduced.
Descriptive characters:

Meristic characteristics:
Feeding habit:
Main food:
Feeding type:
Additional remarks:
Size and age:
Maximum length (cm) (male/ female/ unsexed) Ref. No.:
Length of sexually mature specimens 5-6 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 relation ships:

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.)
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