

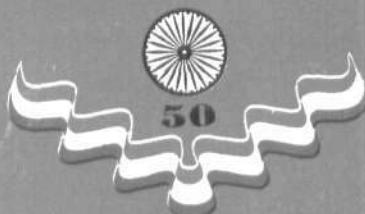


# समुद्री मात्स्यकी सूचना सेवा

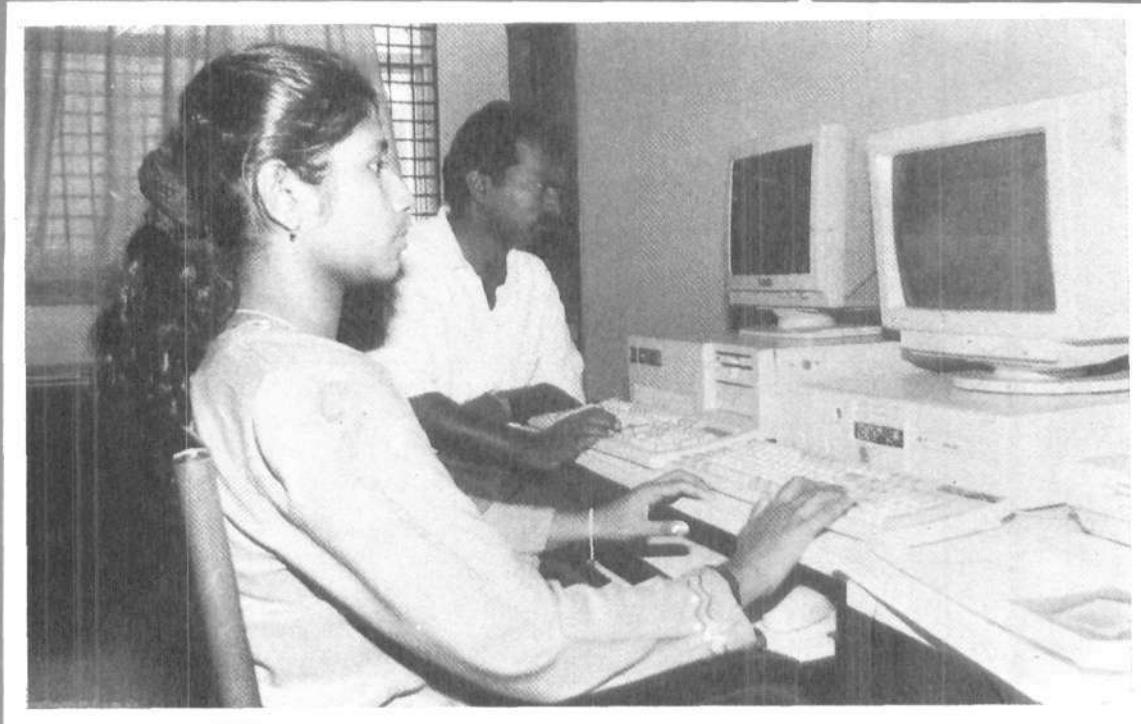
# MARINE FISHERIES INFORMATION SERVICE



No.151



DECEMBER 1997



तकनीकी एवं  
विस्तार अंकावली

TECHNICAL AND  
EXTENSION SERIES

केन्द्रीय समुद्री मात्स्यकी  
अनुसंधान संस्थान  
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CENTRAL MARINE FISHERIES  
RESEARCH INSTITUTE  
COCHIN, INDIA

भारतीय कृषि अनुसंधान परिषद्  
INDIAN COUNCIL OF AGRICULTURAL RESEARCH

**समुद्री मात्रियकी सूचना सेवा :** समुद्री मात्रियकी पर आधारित अनुसंधान परिणामों को आयोजकों, मत्स्य उद्योगों और मत्स्य पालकों के बीच प्रसार करना और तकनीलजी का प्रयोगशाला से श्रमशाला तक हस्तांतरित करना इस तकनीकी और विस्तार अंकावली का लक्ष्य है।

**THE MARINE FISHERIES INFORMATION SERVICE :** Technical and Extension Series envisages dissemination of information on marine fishery resources based on research results to the planners, industry and fish farmers and transfer of technology from laboratory to field.

*Abbreviation - Mar. Fish. Infor. Serv., T & E Ser., No. 151 : December 1997*

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<b>Front cover photo</b>	Developing a system for the computerisation of information on books and journals at the CMFRI headquarters library in progress. The system would facilitate easy location of publications by the users and would help regulating issue/return of publications more efficiently.	
<b>मुख्यालय चित्र</b>	सी एम एफ आर आइ मुख्यालय के पुस्तकालय में पुस्तकों एवं पत्रिकाओं की सूचनाओं के कंप्यूटरीकरण की व्यवस्था। संदर्भ लेने वालों को किताबों के स्थान पहचानने और किताबों की जारी/वापसी और भी सुचारू बनाने के लिए यह व्यवस्था सहायक निकलेगी।	
<b>Back cover photo</b>	A view of the CMFRI headquarters library in Cochin. The library has about 8,000 books and over 10,000 volumes of journals and subscribers 120 journals regularly while another 190 are received free from all over the world. Besides the staff of the Institute the library is being extensively used by scientists, technicians, teachers, students, fish farmers, business entrepreneurs, industrialists etc. from all over the country.	
<b>पृष्ठ आवरण चित्र</b>	सी एम एफ आर आइ मुख्यालय, कोचीन के पुस्तकालय का एक दृश्य। पुस्तकालय में लगभग 8,000 पुस्तकें एवं 10,000 पत्रिकाओं के खंड हैं। लगभग 120 पत्रिकाओं की चंदा की जाती है और दुनिया के कई भागों से मुफ्त मिली 190 पत्रिकाएं यहाँ प्रदर्शित की जाती हैं। संस्थान के कर्मचारियों के अतिरिक्त संदर्भ लेने के लिए देश भर के वैज्ञानिक, तकनीशियन, अध्यापक, छाल, मछुआरे, व्यापार व उद्योग में लगे हुए लोग इसका उपयोग करते हैं।	

**819 INDEX FOR MARINE FISHERIES INFORMATION  
SERVICE, TECHNICAL AND EXTENSION SERIES,  
NOS. 101 - 150 (November 1989 - November 1997)**

**Compiled by : P. Suvarna,**  
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**Cochin - 682 014, India**

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**Erratum**

The species name *Metapenaeus andamanensis* given in the caption for front cover photo on the cover inside of MFIS No. 150 may be read as *Metapenaeopsis andamanensis*.

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The articles intended for publication in the MFIS should be based on actual research findings on long-term or short-term projects of the CMFRI and should be in a language comprehensible to the layman. Elaborate perspectives, material and methods, taxonomy, keys to species and genera, statistical methods and models, elaborate tables, references and such, being only useful to specialists, are to be avoided. Field keys that may be of help to fishermen or industry are acceptable. Self-speaking photographs may be profusely included, but histograms should carefully selected for easy understanding to the non-technical eye. The write-up should not be in the format of a scientific paper. Unlike in journals, suggestions and advices based on tested research results intended for fishing industry, fishery managers and planners can be given indefinite terms. Whereas only cost benefit ratios and indices worked out based on observed costs and values are acceptable in journal, the observed costs and values, inspite of their transitionality, are more appropriate for MFIS. Any article intended for MFIS should not exceed 15 pages typed in double space on fullscap paper.

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