

**INTERSESSIONAL REPORT FROM NIO/NICMAS, GOA, INDIA
(for the year 2004)**

ASFA ADVISORY BOARD MEETING

at

Food and Agriculture Organization of the United Nations (FAO), Rome, Italy

during

4-8 October 2005

1. Institute and Library

National Institute of Oceanography (NIO) is completing 40 years of its service to the nation on 01 January 2006 as one of the National Laboratories of Council of Scientific and Industrial Research (CSIR) laboratories. The headquarters of NIO is at Dona Paula, Goa and three regional centers at Mumbai, Kochi and Visakhapatnam.

Since 1990, the institute Library is acting as an Indian National Coordinating center for ASFA to monitor literature published in India along with a collaborating center at Central Institute of Fishery Technology (CIFT) at Kochi.

In 1995, the institute library was recognized as one of the Sectoral Information Centres (SIC) of NISSAT (National Information System for Science and Technology) in the field of marine sciences, as NICMAS (National Information Center for Marine Sciences).

The library has a responsibility of maintaining NIO's website. Besides this, other projects such as biodiversity, database of mangroves (www.mangroveindia.org) and coastal hazards portal (www.coastalhazards.info) are being handled by NICMAS. Recently, library acquired a face-up scanner (Zeutschel) and has plans to archive old literature.

2. Board Member and input staff

Board member

Gajanan H. Sainekar
Library Officer, NIO, Dona Paula, Goa-403 004, India
e-mail:saine@nio.org
Phone: +91 (0)832 2450 370 (Direct)
+91(0)832 2450 450 (EPBX)
Fax : +91 (0)832 2450602/03
URL: <http://www.nio.org>

Input staff at National Coordinating Input Centre (NIO):

- i. Gajanan H. Sainekar
- ii. Atmaram K. Gawas

Input staff at the collaborating center (CIFT):

Ms. T. Silaja
Central Institute of Fisheries Technology
Willington Island, Matsyapuri P.O.
Kochi – 682 029
E-mail: silut65@rediffmail.com

3. Input statistics:

During the year 2004 a total of 783 bibliographic records were monitored. The breakup of the records sent is as follows:

Centre	Journal Articles (AS)	Monographs (M)	Analytical Monographic Serials (AMS)	Conf. Proc. Articles	Dissertations	Total
NIO	343	59	-	173	6	581
CIFT	202	----	---	--	--	202
Total	545	59	---	173	6	783

For the year 2005 (as of this date), 501 records have been completed by using WWW-ISIS-ASFA and sent to CSA. Another batch of 100 records is in the pipeline and would be sent to CSA soon after the Board Meet.

4. Distribution List:

NIO receives ASFA CD.
CIFT receives one set of ASFA CD.
Last ASFA CD update received June 2005.
Access to ASFA on Internet.

5. Problems:

5.1 The newly supplied CDs cannot be used over LAN. This would prevent the use of ASFA on a large scale. Facility of searching over two CDs (1971-1993 and 1994-current) simultaneously is not possible, as each ASFA CD has independent software. Thus making user to repeat the search twice. This is against principle of 'Save the time of the User'. This item was raised by us and discussed in the last ASFA Board meeting at Argentina and CSA had agreed to look into the possibility of searching two CDs simultaneously. (see **ASFA Advisory Board Meet. Final Report, Item No. 8.2 page 14**). However the problem is not yet resolved. The use of CDs is extremely useful where the bandwidth is low. Hence we still insist for solution on item No. 5.1.

- 5.2 Our servers are getting switched over to LINUX, hence we need LINUX compatible ASFA CD version. We also raised this item in the last meeting in Argentina and CSA had agreed to look into this. (see **ASFA Advisory Board Meet. Final Report, Item No. 8.2 page 14**). However, we do not find any action on this. It seems that no initiative has been taken.
- 5.3 As mentioned in 5.2, we will welcome the ASFA data entry software (presently WWW-ISIS-ASFA) available on LINUX.
- 5.4 CSA had sent a mail on July 7, 2004, regarding modifications to ASFA entitlements and in reply we had asked to provide access to ASFA database to our collaborating centre (CIFT, Cochin) on (IP address: 203.200.146.49 to 56) vide our e-mail reply dt. 21 July 2004. However the CIFT so far cannot access the ASFA database on Internet.
- 5.5 We once again request for discontinuation of ASFA print journals, as we are running short of space and there are no users to print journals.
- 5.6 (a) Variation in representation of **Source** field in records on ASFA CD and Internet (**PDF files attached for Aneex-A and Annex-B**).
(b) Change in representation of Class Nos.

6. **Monitoring List:**

There are 53 titles on the monitoring list. The list is given in **Annexure – A**.

7. **Usefulness:**

Researchers of this institute are using ASFA database on CDs and on Internet very frequently. More than 200 scientists and the supporting technical staff working with them use ASFA database over Internet and ASFA CDs thru LAN.

8. **Contractual Jobs:**

- (a) Contract of preparation of 505 bibliographic records of ICCAT (Spain) as per ASFA standards (using WWW-ISIS-ASFA) was undertaken and completed in the month of March 2005 as per schedule. The records were sent to Mrs. Luciana Lombardi (FAO) for spot check. Suggestions were incorporated and the file was sent to CSA and copy to ICCAT. The records have appeared on ASFA database as per the e-mail of Ms. Vicki Soto. Report of the work was sent to ICCAT. Thanks to Dr. Victor and other staff of ICCAT and Mrs. Luciana Lombardi for opportunities and suggestions.
- (b) Another contract of preparation of IOTC publications as per ASFA input standards was assigned by FAO, Rome. As per the proposal, 469 records have been prepared (using WWW-ISIS-ASFA) and sent to FAO for spot check. On receipt of the comments, the work will be finalized and the report would be sent to FAO. Thanks to Mr. Richard Pepe, Mrs. Luciana and Ms. Helen (FAO) for prompt replies to e-mails and resolving the problems. Thanks to Dr. Richard Grainger (FAO)
- (c) for giving us the opportunity.

9. **Suggestions:**

We need to have time bound action plan for the decisions taken at ASFA Board Meet.

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ASFA Monitoring List (INDIA)

List of Serials on the monitoring list of India (DP)

Annual Report. Central Institute of Fisheries Education,
Annual Report. Central Institute of Fisheries Technology, Cochin. Cochin
Annual Report. Central Marine Fisheries Research Institute, Cochin. Cochin
Annual Report. Fishery Survey of India. Bombay
Annual Report. Marine Products Export Development Authority of India. Cochin
Annual Report. National Bureau of Fish Genetic Resources (India). Allahabad
Annual Report. National Institute of Oceanography (India). Dona Paula-Goa
Applied Fisheries and Aquaculture
Bulletin of Electrochemistry. Karaikudi
Bulletin of Fishery Survey of India. Bombay
CIBA Bulletin.(Central Institute of Brackishwater Aquaculture. Madras)
CIFNET Annual Report. Cochin
CMFRI Bulletin. Cochin
CMFRI Special Publication. Cochin
Current Science. Bangalore
Defence Science Journal. New Delhi
Fishery Technology. Society of Fisheries Technologists (India). Kochi
Fishing Chimes. Visakhapatnam
Indian Journal of Biochemistry and Biophysics. New Delhi
Indian Journal of Chemical Technology. New Delhi
Indian Journal of Chemistry. Section B. Organic including Medicinal. New Delhi
Indian Journal of Earth Sciences. Calcutta
Indian Journal of Engineering and Material Sciences, New Delhi
Indian Journal of Experimental Biology. New Delhi
Indian Journal of Fisheries. Ernakulam
Indian Journal of Marine Sciences. New Delhi
Indian Journal of Microbiology. New Delhi
Indian Journal of Petroleum Geology
Indian Journal of Pure and Applied Physics. New Delhi
Journal of Aquaculture in the Tropics. Calcutta
Journal of Biosciences. Bangalore
Journal of Scientific and Industrial Research. New Delhi
Journal of the Bombay Natural History Society. Bombay

Journal of Earth System Science (Formerly: Proceedings of the Indian Academy of Sciences:
Earth and Planetary Sciences. Bangalore)
Journal of the Geological Society of India. Bangalore
Journal of the Indian Fisheries Association. Bombay
Journal of Indian Ocean Studies
Journal of the Marine Biological Association of India. Cochin
Marine Fisheries Information Service Technical and Extension Series. Cochin
Mausam. New Delhi
ONGC Bulletin
Occasional Papers of Fishery Survey of India. Bombay
Photonirvachak. Dehra Dun
Phykos. New Delhi
Proceedings of the Indian Academy of Sciences. Mathematical sciences. Bangalore
Proceedings of the Indian National Science Academy. Part A. Physical sciences.
New Delhi
Proceedings of the Indian National Science Academy. Part B. Biological Sciences.
New Delhi
Science Reporter (New Delhi). New Delhi
Seafood Export Journal. Cochin
Seaweed Research and Utilisation. Tamil Nadu (India)
Seshaiyana
Technical Report. National Institute of Oceanography (India). Dona Paula-Goa

New Addition during the year 2004:

Journal of Environment and Sociobiology

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- TI: Title
Studies on antagonistic marine Streptomyces.
- AU: Author
Chandramohan, D; Nair, S
- AF: Affiliation
NIO, Dona Paula, Goa 403 004, India
- CF: Conference
Int. Symp. on the Oceanography of the Indian Ocean, Natl. Inst. Oceanogr., Goa (India), 14-16 Jan 1991
- ED: Editor
Desai, BN (ed)
- SO: Source
OCEANOGRAPHY OF THE INDIAN OCEAN., OXFORD AND IBH, NEW DELHI (INDIA), 1992, pp. 37-45
- IB: ISBN
81-204-0735-0
- PB: Publisher
OXFORD AND IBH, NEW DELHI (INDIA)
- AB: Abstract
Sixty nine strains of Streptomyces sp. isolated from the sediments of Andaman and Nicobar islands (Bay of Bengal) were screened for their antagonistic property against a number of test cultures (Vibrio sp., Klebsiella sp., Escherichia coli, Shigella sp., Proteus vulgaris, Mycobacterium smegmatis, Staphylococcus albus and Bacillus sp.). Nearly 60% of the streptomycete cultures produced antibacterial compounds active against both Gram positive and gram negative bacteria. Among the positive cultures three strains inhibited all the test cultures. In addition to the above test cultures marine bacteria (Vibrio sp., Aeromonas spp., Flavobacterium spp., Bacillus sp. and Micrococcus sp.) resistant to few known antibiotics (tetracycline, penicillin, neomycin, kanamycin and gentamycin) were also used. Thirty three streptomycete cultures were found to inhibit one or more marine bacteria tested. The ecological distribution and importance of these antagonistic marine streptomyces are discussed.
- LA: Language
English
- SL: Summary Language
English
- PY: Publication Year
1992
- PT: Publication Type
Book Monograph; Conference
- DE: Descriptors
sediments; control resistance; inhibitors; ecological distribution; Streptomyces; ISW, India, Andaman I.; bacteria
- ER: Environmental Regime
Marine
- CL: Classification
Q1 01206 Physiology, biochemistry, biophysics; O 8050 CONFERENCES
- SF: Subfile
ASFA 1: Biological Sciences & Living Resources; Oceanic Abstracts
- AN: Accession Number



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Database ASFA: Aquatic Sciences and Fisheries Abstracts

Title **Studies on antagonistic marine Streptomyces.**

Author Chandramohan, D; Nair, S

Affiliation NIO, Dona Paula, Goa 403 004, India

Source OXFORD AND IBH, NEW DELHI (INDIA). pp. 37-45. 1992.

Descriptors sediments control resistance inhibitors ecological distribution bacteria

New Search Using Marked Terms: Use **AND** to narrow Use **OR** to broaden

Abstract Sixty nine strains of *Streptomyces* sp. isolated from the sediments of Andaman and Nicobar islar Bengal) were screened for their antagonistic property against a number of test cultures (*Vibrio* sp., *Escherichia coli*, *Shigella* sp., *Proteus vulgaris*, *Mycobacterium smegmatis*, *Staphylococcus*, *Bacillus* sp.). Nearly 60% of the streptomycete cultures produced antibacterial compounds active Gram positive and gram negative bacteria. Among the positive cultures three strains inhibited all cultures. In addition to the above test cultures marine bacteria (*Vibrio* sp., *Aeromonas* spp., *Flav* spp., *Bacillus* sp. and *Micrococcus* sp.) resistant to few known antibiotics (tetracycline, penicillin, kanamycin and gentamycin) were also used. Thirty three streptomycete cultures were found to ir more marine bacteria tested. The ecological distribution and importance of these antagonistic m streptomycetes are discussed.

Conference Int. Symp. on the Oceanography of the Indian Ocean, Natl. Inst. Oceanogr., Goa (India), 14-16 J

Editor Desai, BN (ed)

ISBN 8120407350

Publisher OXFORD AND IBH, NEW DELHI (INDIA)

Language English

Summary Language English

Publication Year 1992

Publication Type Book Monograph; Conference

Identifiers ISW, India, Andaman I.

Environmental Regime Marine

Classification Q1 01206 Physiology, biochemistry, biophysics; O 8050 Conferences

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Annexure - C



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Annexure - C

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