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Eprints@CMFRI: A Digital Repository of Central Marine Fisheries Research Institute

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CMFRI is the oldest Marine Fisheries Research Institute in India having devoted Scientists and Researchers. The main outcome of the marine research is to publish reputed scientific papers. The scientific papers published since 1948 are not well documented for wide spread utility of scientific community both inside as well as outside India. The research output must be applied to achieve the broader developmental objectives of the scientific society which may result in public accountability of the research. But the dissemination of research output is a major challenge and until it is known to the world the research has no meaning. Necessary arrangement has been made to publish bibliographies by staff in print form. In recent years Information, Communication and Technology (ICT) have made significant impact on all spheres of library service. The impact of ICT has been rather prominent in case of library activities such as Online Public Access Catalogue, WebOPAC, online bibliography, Online Document Delivery Service, Digital Library and Institutional Repository.

Management of Research output - Traditional way of publishing Bibliography

In order to bring the list of research publications in one bunch, the institute was publishing bibliographies. List of publications by the staff of CMFRI for the period from 1948 to 2006 was published in the form of CMFRI Special Publication Nos. 27, 51, 68 and 96 at various intervals. CMFRI Special Publication No. 96 was published during Diamond Jubilee Celebration with its release by Hon'ble Shri Sarad Pawar, Union Minister of Agriculture on 4th January 2008. Though we publish the list of papers in print copies of the bibliographies, the full text of the research paper was not reaching the global audience.

Online Bibliography

Realising the need of wide spread publicity to the papers world wide and following the recent trends of facilities available in the internet, CMFRI Library has taken initiation to keep the bibliographical details of the papers published by CMFRI in the internet. The software was developed by Mr. Manjesh, ARIS Cell, CMFRI during the year 2008 in MS Access format with keyword search facilities to create a database for CMFRI Bibliography. Online Database for CMFRI Bibliography was created for the period from 1948 - 2008. It was launched online during Diamond Jubilee Celebration on 4th January 2008. This is the first online bibliographical database for the papers published by our scientist. This may be accessed at the CMFRI Website : http://www.cmfri.org.in/html/cmfri_intraSPS.htm

Eprints@CMFRI: Institutional Repository (IR) at CMFRI

Though the online bibliography compiled by CMFRI Library was useful only for knowing the bibliographical details of the paper published by CMFRI, full text of these articles has not reached the global audience. As a result, citation index for these scientific papers are very poor. The value of a scientific paper is rated by the citation index. Realising this CMFRI Leadership strongly felt an institutional repository be established to provide open access to the Institute's scientific publications. CMFRI Library took the lead and made arrangements to digitize all publications published since 1948. The digitization work was started during June 2009. More than 4 lakh pages have been scanned and these scanned images were converted into pdf file.

To enable this repository in the INTERNET, the open source software developed by the University of

Southampton, UK is installed in library server. The CMFRI Institutional repository is given a name as Eprints@CMFRI. The scanned 7000 scientific papers have been uploaded as on December 2010. Now all the publications published by CMFRI right from the year 1953 can be downloaded at the Website: <http://eprints.cmfri.org.in/>

Interested users can freely download and use documents as most of them are directly accessible and full-text downloadable. 'Request copy' forms can be used for documents to which direct full-text download is restricted due to publisher embargo.

Document Types uploaded into Eprints@CMFRI

The following types of publications of CMFRI are uploaded/self archived by CMFRI Scientists who do research on fisheries and related areas.

- Article •Book •Book Section •Conference or Workshop Item •Dataset (Fisheries Statistics, Census etc) •Monograph •Other (Annual Reports, News letters etc) •Teaching Resource (Training manual, Lecture notes etc.) •Thesis

Benefits of Eprints@CMFRI repository

- Prestige of the Institute will be raised when a staff paper is included in Eprints@CMFRI
- Enhances the professional visibility of scientists of the institute
- Serves to demonstrate the breadth and depth of research output of CMFRI
- Open Access Repositories like Eprints@CMFRI offer the widest possible dissemination of scientific findings

- Research has demonstrated that open access online articles have appreciably higher citation rates than traditionally published articles
- Serves to establish priority of ideas and intellectual property, i.e. registering the work with a date stamp and identifier
- The centralized system of documenting the papers manages and presents the research output of the Institute in an organized fashion
- Students/Scientists can easily access faculty papers via Eprints@CMFRI. This provide easier access to the entire publications of CMFRI
- Preserves and provides long-term access to the scholars' research output
- All institutes' papers in one roof will facilitate the policy makers to select the non priority areas in Marine Fisheries
- Scientific output of institute is reaching the global audience immediately

Global Visibility of CMFRI Repository

Research publications in Eprints@CMFRI can immediately be found in global indexing and search services as it is being immediately browsed in international search engines.

CMFRI Open Access Institutional Digital Repository places "CMFRI" as the first ICAR Institute to reach this state. CMFRI also ranks first at national level and fifth at global level among the open access repositories on marine sciences.



Dr. S. Ayyappan, Secretary DARE & the Director General, ICAR launched CMFRI Institutional Repository on 26th November 2010.