



Project SJPI: Demonstrating Significance of OAI Framework for Indian Open Access Journals

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Overview

- Introduction
- About Project SJPI
- Background
- OAI-PMH
- Objectives of the Project
- Open Journals System (OJS) features
- Project Implementation
- Future Work
- Conclusion



The man behind the vision...



Late Dr. T.B. Rajashekar
(2nd November 1954 -
3rd June 2005)



SJPI : The Project



- **Timeline:**
 - Oct 2004 - March 2006
- **Sponsors:**
 - Asian Media and Communications Center (AMIC), Singapore and their partners.
 - <http://www.amic.org.sg>
- **Collaboration:**
 - The Public Knowledge Project's Open Journals Systems (OJS) at UBC & SFU, Canada
 - <http://pkp.sfu.ca>
- **Our Team:**
 - Headed by Prof. N.V. Joshi with guidance from Prof. A.G. Menon, Thomas Abraham, Madhuresh Singhal, Suvarsha Walters



Background...

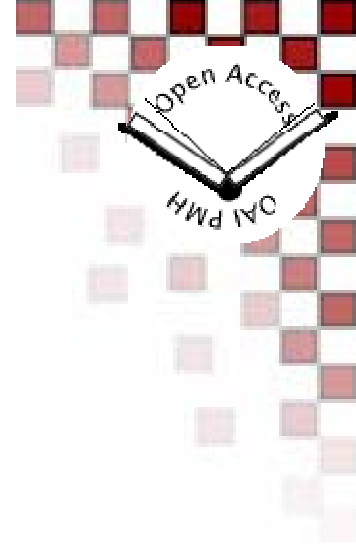
- OA Journals in India > 70
 - (Source: DOAJ & Kumari, Lalitha. 'Global Access to STM Research: Indian STM Journals Online' *ISTL, No. 42, sprg05*)
- Simple html pages
 - No structured metadata
 - Poor search interfaces
- Not compliant to OAI-PMH
 - Invisible to new services in Scholarly publishing

OAI-PMH

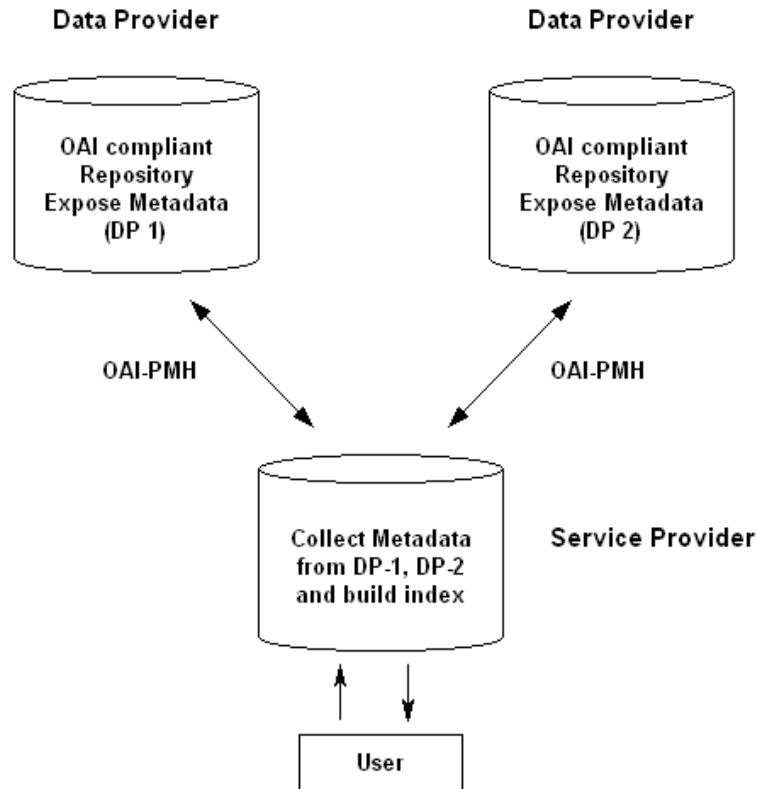
(Open Access Initiative – Protocol for Metadata Harvesting)



- OAI-PMH:
 - Lightweight protocol
 - based on open standards like http and XML
 - Data Provider (Archives, Journals, DLs)
 - Service Provider (Eg. OAIster)
 - Software complying : GSDL, OJS, DSpace, EPrints etc.
- <http://www.openarchives.org>



OAI-PMH



Interoperability through OAI protocol

Objectives of Project SJPI



- Installing a prototype Journal content Indexing system
 - Using sample OA journals
- Install a Harvester
 - to harvest and search across all the prototype journals
- Demonstration and Consulting editors:
 - Demo capture of metadata during the submission process
 - Demo power of OAI-PMH through harvester
 - Refine OJS with feedback
- Workshop
 - Transfer our knowledge to those who are in journal publishing

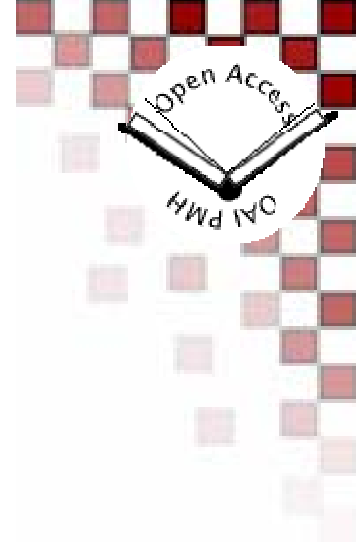


OJS – Open Journals System

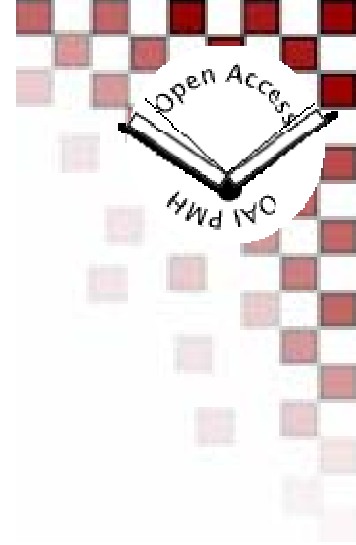
- Open Journal Systems (OJS)
 - Journal management and publishing system
 - Developed by the Public Knowledge Project
 - <http://pkp.ubc.ca/>
 - Open Source Software (free for use and modification)
 - > 350 journals (full or partially)
 - <http://pkp.sfu.ca/ojs/journals.html>

Why OJS

- Open Source Software
- Based on OSS – MySQL, PHP
- OAI-PMH Compliance
- Good Support Team
- Nice Features



OJS features >



- **Online Submission:**
 - Can be submitted online by Author
 - Supplementary files (like data, images etc)
 - PDF, PS, MSWord, HTML, Text, Images
- **Management**
 - Online Management for Each Stage
 - E-mail based communication between roles
 - User Management – incl. subscriptions
- **Roles**
 - Journal Managers
 - Editors
 - Section Editors
 - Layout Editors
 - Copyeditors
 - Proofreaders
 - Reviewers
 - Authors
 - Readers
 - Subscription Managers

OJS features >



- **Metadata**
 - Discipline, subject (keywords), approach/method, class numbers, Coverage
- **Indexing**
 - Fulltext
 - Inbuilt for text html
 - Third party software can be added for PDF, DOC etc.
- **Services**
 - Simple and Advanced searching
 - Email Notification
 - Research Support Tool for Each Article Published
- **Publishing**
 - Image as a cover page
 - Page numbers
 - Can be Closed, Open or delayed Open Access
 - OAI-PMH Compliant
 - LOCKSS Support
- **Customization**
 - OSS, MySQL and PHP, Unicode

OJS features >>



- **Statistics:**
 - Year wise reports:
 - Issues Published:
 - Items Published:
 - Total submissions:
 - Accept (%):
 - Decline (%):
 - Revise (%):
 - Undecided (%):
 - Days To Publication:
 - The above stats is also given for each section of the journal
 - Reviewers (For each):
 - No. Assigned:
 - No. of Reviews:
 - Editor Score:
 - Days Taken:
 - Registered Users:
 - Readers
 - Subscriptions:
 - Country Distribution

OJS features >>>



- **Research Support tool**
 - Appears as a toolbar with each article
 - provide links from the article to related and relevant resources
 - Can be modified to each journal
 - Some things you can do with RST
 - Capture citation for EndNote, RefManager etc.
 - Search for author/keywords in other sites, terms in dictionaries
 - Email author, add comment, email others etc.

OJS features >>>>

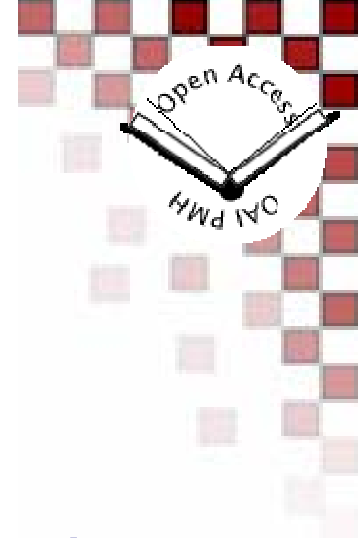


- **Limitations**

- PDF, Doc Indexing
- Special Characters handling
- Would require learning of the complex interfaces

Work done till now

13 Journals and a Harvester



- 11 IAS journals, JIISc, SJIM
 - 3 Volumes x 2 issues each = 6 issues
- Harvester: [SJPI Cross Journal Search Service](#)
- Demo the system to editors of journals and get their feedback
- Add new features to OJS
 - Classification Scheme
- Workshop – Scientific Journal Publishing in India
 - 10th and 11th Feb, 2006
 - 20 participants



Open
Page

Scientific Journal Publishing in India: Indexing and Online Management (SJPI)

**A Pan Asia ICT
R&D Grants
Project**

Open Pages

[About Project](#)

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Journals](#)

**Project
Prototype**

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Use these links to

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• **Prototype Journals set up with OJS**

- [Journal of Indian Institute of Science \(JIISc\)](#)
- [SRELS Journal of Information Management \(SJIM\)](#)
- [Current Science \(CS\)](#)
- [Journal of Chemical Sciences \(JCS\)](#)
- [Sadhana \(Sadhana\)](#)
- [Journal of Astrophysics and Astronomy \(JAA\)](#)
- [Proceedings - Mathematical Sciences \(PMS\)](#)
- [Proceedings - Earth and Planetary Sciences \(PEPS\)](#)
- [Journal of Genetics \(JGEN\)](#)
- [Journal of Biosciences \(JBS\)](#)
- [Bulletin of Materials Science \(BMS\)](#)
- [Pramana: Journal of Physics \(Pramana\)](#)
- [Resonance - Journal of Science Education \(resonance\)](#)

• **Harvester service for the above Journals**

- [Harvester using PKP Harvester](#)

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Project Website

Date this site was first put up: 1.10.2004



Journal of the Indian Institute of Science

The journal website is at <http://journal.library.iisc.ernet.in>
developed as part of a project. To know more visit <http://144.16.72.144/>

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JIISC Home

Project SJPI: Scientific Journal Publishing in India

Published by the [Indian Institute of Science](#), Bangalore, India



Prototype of
Journal of IISc
setup with OJS 1.18

The Journal of the Indian Institute of Science was started in 1914 with the objective of publishing quality research papers in science and engineering. Research papers and review articles are selected through a stringent peer review process overseen by the editorial board. The Journal is a multi-faceted publication with content likely to be of interest to research students as well as academic and R & D professionals. The Journal invites original contributions in science and engineering. The following types of articles are considered for publication:



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Snapshot of the present
Current Science site



This is a prototype developed for the [SJPI project](#). The journal is at: <http://www.ias.ac.in/currsci/>

CS Home > Vol. 87, No. 2 (2004)

Project SJPI: Scientific Journal Publishing in India

Current Science, founded in 1932 is published by the Current Science Association in collaboration with the Indian Academy of Sciences. The journal is also intended as a medium for communication and discussion of important issues that concern science and scientific activity. All articles published in Current Science, especially editorials, opinions and commentaries, letters and book reviews, are deemed to reflect the individual views of the authors and not the official points of view, either of the Current Science Association or of the Indian Academy of Sciences.

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B Raja

[PDF](#)

2. Indian scholars boost S&T research in Taiwan

Minna J Hsu and Govindasamy Agoramoorthy

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Current Science site
setup using OJS



Scientific Journal Publishing in India Cross Journal Search Service

Home > Browse Archives

Powered by PKP Harvester

Select an archive to browse...

- ▶ [All Archives](#) (1047 records)
- ▶ [Bulletin of Materials Science](#) (105 records)
- ▶ [Current Science](#) (229 records)
- ▶ [Journal of Astrophysics and Astronomy](#) (45 records)
- ▶ [Journal of Biosciences](#) (86 records)
- ▶ [Journal of Chemical Sciences](#) (51 records)
- ▶ [Journal of Genetics](#) (60 records)
- ▶ [Journal of the Indian Institute of Science](#) (46 records)
- ▶ [Pramana - Journal of Physics](#) (158 records)
- ▶ [Proceedings Earth Planetary Sciences](#) (46 records)
- ▶ [Proceedings Mathematical Sciences](#) (62 records)
- ▶ [Resonance](#) (62 records)
- ▶ [Sadhana](#) (54 records)
- ▶ [SRELS Journal of Information Mangement](#) (43 records)

Quick Search


in All

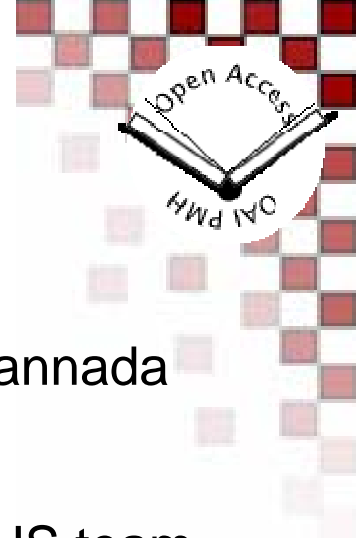
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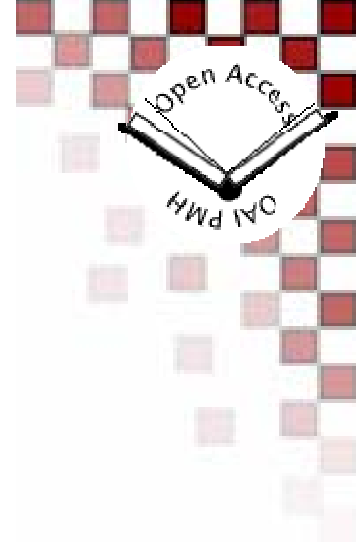
© 2003-2004 [Public Knowledge Project](#)

Harvester searching across all the journals



Future work

- Customization of OJS to **Indian languages like Hindi, Kannada and Tamil**
- **Add the new features** identified and developed by the OJS team into the official OJS software release
- Enhance OJS to **support special characters.**
- **Handhold a few journals** which are interested in publishing online to setup their site
- More intensive **training** for the editors of journals to use the system
- A centralized organization or support system for setting up online journals in India



Conclusion

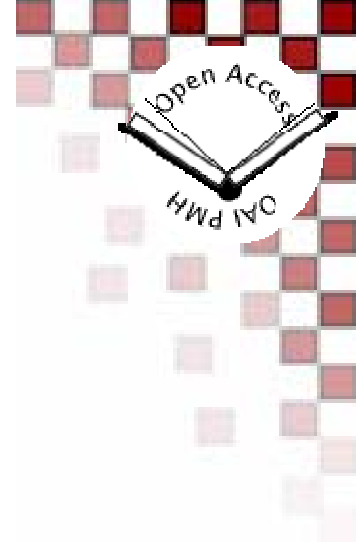
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Thank you

