Open Access in India

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STATISTICAL INSTITUTE
INDIAN
UNITY IN DIVERSITY

PUBLIC DOMAIN

Government of India initiatives

http://data.gov.in

- The National Data Sharing and Accessibility Policy [NDSAP]
- NDSAP applies to all data and information created, generated, collected and archived using public funds provided by Government of India directly or through authorized agencies by various ministries/Departments/Organizations/ Agencies and Autonomous bodies.

Indian Council of Agricultural Research

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ICAR at a Glance

▷ About us
- Vision 2020
- Vision 2030
- Vision 2050
- AICRPs & Network Projects
- Research Institutes
- Agricultural Technology Application Research Institutes
- Krishi Vigyan Kendras
- Technologies & Products for Commercialization
- Technologies and Knowledge Resources
- IP&TM and PME
- ICAR Award 2016
- ICAR Awardees

ICAR adopts Open Access Policy

- Each ICAR institute to setup an Open Access Institutional Repository.

- ICAR shall setup a central harvester to harvest the metadata and full-text of all the records from all the OA repositories of the ICAR institutes for one stop access to all the agricultural knowledge generated in ICAR.

- All the meta-data and other information of the institutional repositories are copyrighted with the ICAR. These are licensed for use, re-use and sharing for academic and research purposes. Commercial and other reuse requires written permission.

- All publications viz., research articles, popular articles, monographs, catalogues, conference proceedings, success stories, case studies, annual reports, newsletters, pamphlets, brochures, bulletins, summary of the completed projects, speeches, and other grey literatures available with the institutes to be placed under Open Access.

- The institutes are free to place their unpublished reports in their open access repository. They are encouraged to share their works in public repositories like YouTube and social networking sites like Facebook ®, Google+, etc. along with appropriate disclaimer.

- The authors of the scholarly articles produced from the research conducted at the ICAR institutes have to deposit immediately the final authors version manuscripts of papers accepted for publication (pre-prints and post-prints) in the institute's Open Access repository.

- Scientists and other research personnel of the ICAR working in all ICAR institutes or elsewhere are encouraged to publish their research work with publishers which allow self- archiving in Open Access Institutional Repositories.

**Department of Biotechnology and Department of Science & Technology
Ministry of Science & Technology
Government of India**

DBT and DST Open Access Policy
Policy on open access to DBT and DST funded research

The Department of Biotechnology ("DBT") and the Department of Science and Technology ("DST") are constituent departments within the Ministry of Science and Technology, Government of India.

An important function of the DBT and DST is to support basic, translational and applied scientific research through the creation of suitable infrastructure, by providing funding to individual scientists, institutions and start-ups, and through any other means deemed necessary.

Since all funds disbursed by the DBT and DST are public funds, it is important that the information and knowledge generated through the use of these funds are made publicly available as soon as possible, subject to Indian law and IP policies of respective funding agencies and institutions where the research is performed[1].

The DBT and DST recognize the right of researchers to publish their work in journals of their choice, because researchers are the best judges of where to publish their work. The DBT and DST expect that the recipients of funding will publish their research in high quality, peer-reviewed journals.

The DBT and DST affirms the principle that the intrinsic merit of the work, and not the title of the journal in which an author's work is published, should be considered in making future funding decisions. The

Council of Scientific & Industrial Research (CSIR)

CSIR constitutes a chain of about 40 laboratories and 50 field stations across the country in different fields of Science and Technology. Each of these laboratories generates huge data and have data repositories, partially/fully available in public domain.

INFLIBNET
(http://www.inflibnet.ac.in/)
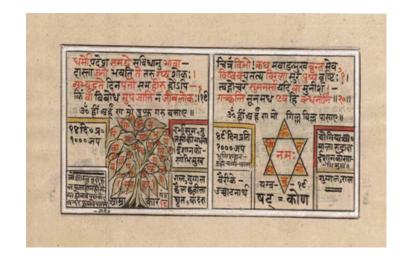
- **Information and Library Network (Inflibnet)**
  - A gateway to India's Academic & Research Community

  - 433 participating university libraries in INFLIBNET eShodh Sindhu consortium

  - creating **infrastructure** for sharing of library and information resources and services among Academic and Research Institutions

  - Shodh Ganga

National Mission for Manuscripts
(http://namami.nic.in/

- To save the most valuable (but less visible) cultural inheritances
  - **Indian Manuscripts**

Save Our Manuscript Wealth for India's Future

National Mission for Manuscripts

- Manuscripts digitized from:
  - Palm Leaf
  - Paper
  - Bamboo Leaves
  - Cloth

OERS – Open Educational Resources

SWAYAM and epthashala

MHRD, GoI
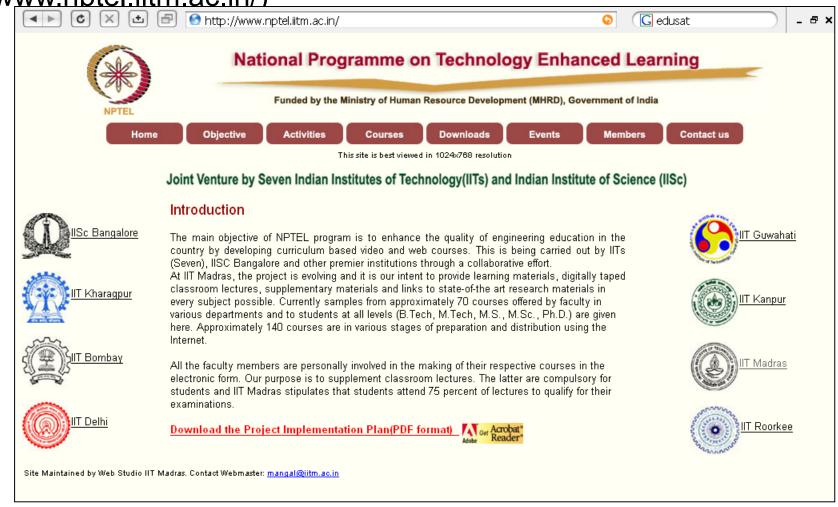
- SWAYAM is a MOOC programme initiated by Government of India

- The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged.

- SWAYAM seeks to bridge the digital divide for students.

National Programme on Technology Enhanced Learning (NPTEL) (http://www.nptel.iitm.ac.in/)
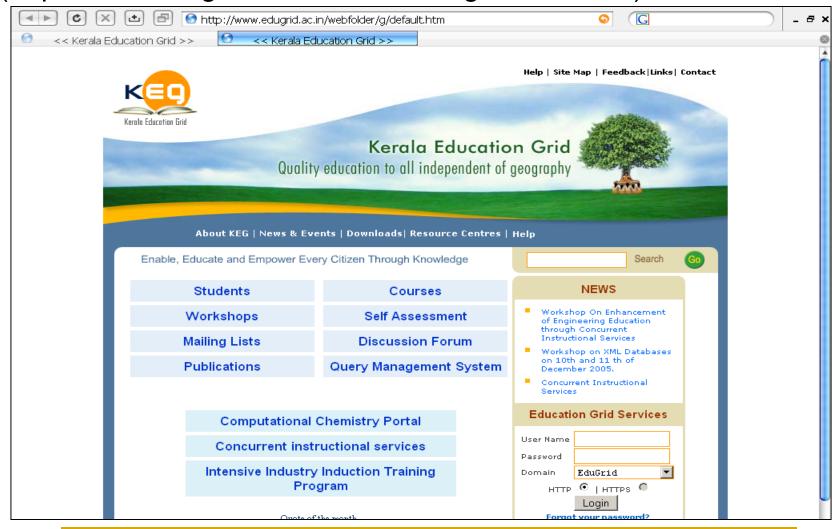
DRTC, Indian Statistical Institute, India

Education Grid

(http://www.edugrid.ac.in/webfolder/g/default.htm)

To provide quality education to all students independent of geography

Major Open Repositories in India

DRTC, Indian Statistical Institute, India

- Librarians' Digital Library (https:// drtc.isibang.ac.in)
  - ❑ DSpace Digital Library software
  - ❑ Open repository of LIS publications

Librarians' Digital Library (LDL)
(https://drtc.isibang.ac.in)
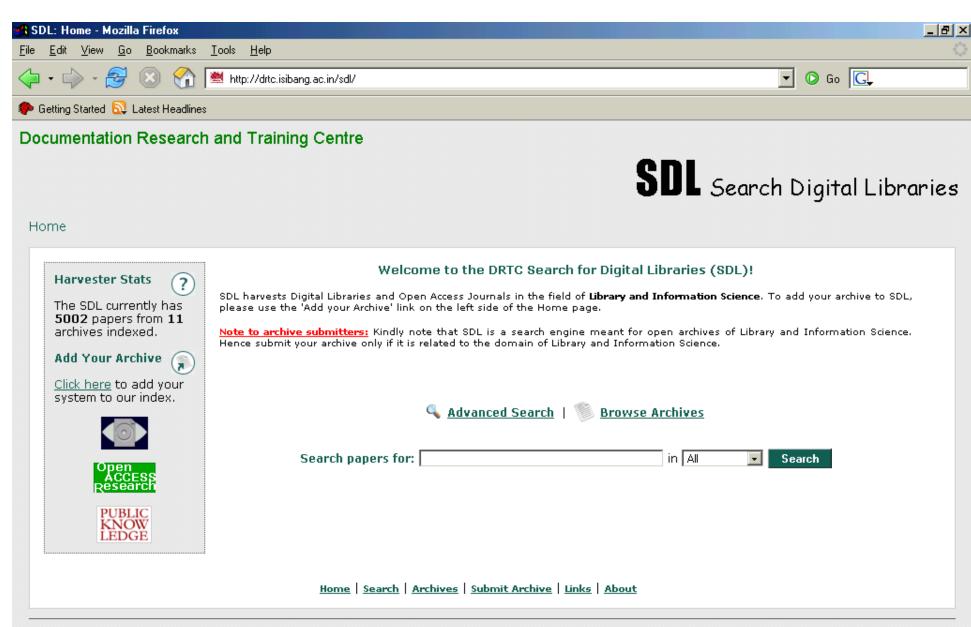
Harvester

- Search Digital Libraries [SDL]
  - http://drtc.isibang.ac.in/sdl
- First LIS harvester in the world

DRTC-ISI

- ❑ First DSpace Digital repository in India
- ❑ First thematic repository on LIS in the world
- ❑ Held about 54 workshops
- ❑ Brought up 15 repositories in India, Sri Lanka

Documentation Research and Training Centre

SDL Search Digital Libraries

Home

Harvester Stats   (?)

The SDL currently has **5002** papers from **11** archives indexed.

Add Your Archive

Click here to add your system to our index.

Open ACCESS Research

PUBLIC KNOW LEDGE

Welcome to the DRTC Search for Digital Libraries (SDL)!

SDL harvests Digital Libraries and Open Access Journals in the field of **Library and Information Science**. To add your archive to SDL, please use the 'Add your Archive' link on the left side of the Home page.

Note to archive submitters: Kindly note that SDL is a search engine meant for open archives of Library and Information Science. Hence submit your archive only if it is related to the domain of Library and Information Science.

🔍 **Advanced Search** | 📄 **Browse Archives**

Search papers for: [   ] in [All ▼]   [**Search**]

Home | **Search** | **Archives** | **Submit Archive** | **Links** | **About**

Done

INDUS

- ISI as part of AGINFRA an FP7 eInfrastructure project of the European Commission
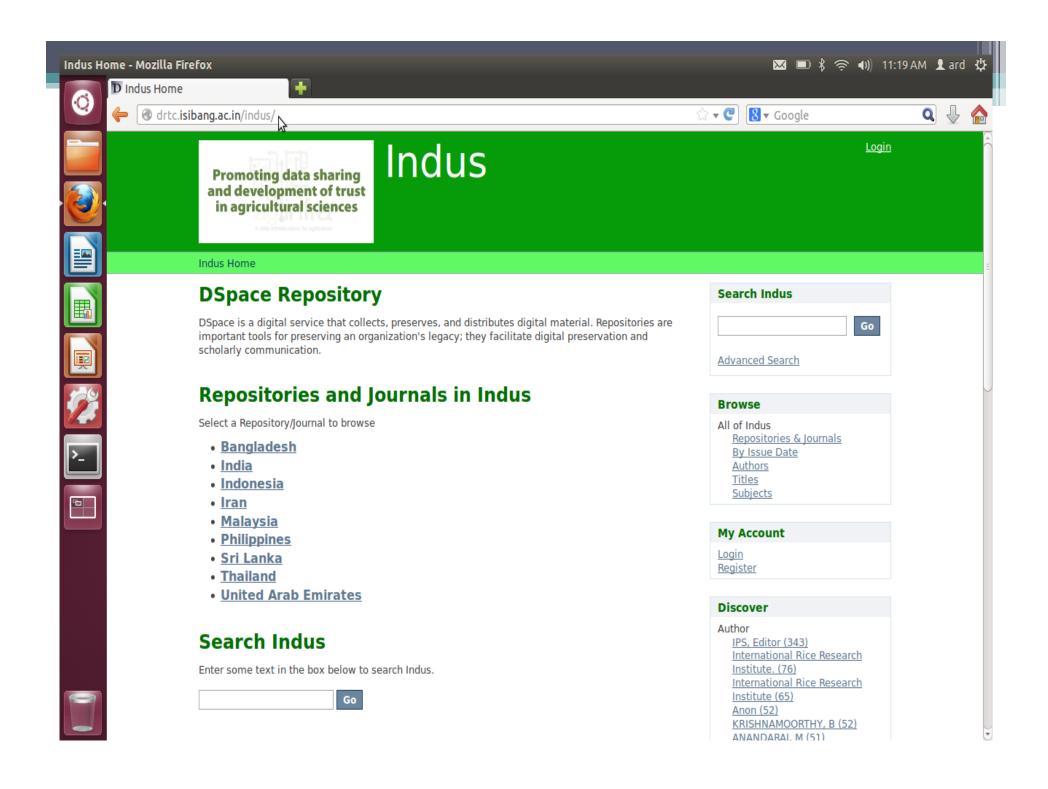
  - Contributed INDUS
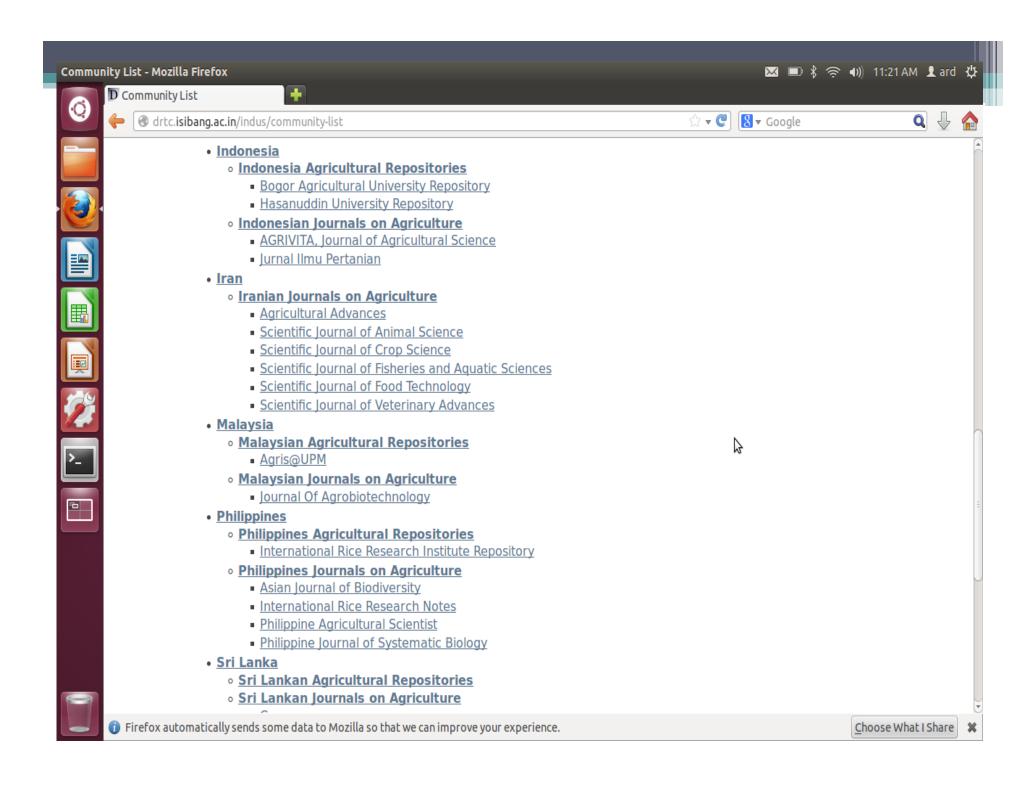
Harvesting Asian Agricultural Digital Repositories

- 48 Asian Countries
- 26 Countries have repositories (openDOAR)
- Around one third of them have exclusive Agricultural repositories
- More OAI-based Ag. Journals

Indus

- Indus covers both repositories and OAI based Journals

- Presently,
  - About 10 countries metadata is harvested
  - 57 Journals on Agriculture
  - 18 Digital Repositories
  - About 100k records

drtc.isibang.ac.in/indus/

Google

Indus

Promoting data sharing
and development of trust
in agricultural sciences

A data infrastructure for agriculture

Indus Home

DSpace Repository

DSpace is a digital service that collects, preserves, and distributes digital material. Repositories are important tools for preserving an organization's legacy; they facilitate digital preservation and scholarly communication.

Repositories and Journals in Indus

Select a Repository/Journal to browse

- **Bangladesh**
- **India**
- **Indonesia**
- **Iran**
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- **Philippines**
- **Sri Lanka**
- **Thailand**
- **United Arab Emirates**

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Enter some text in the box below to search Indus.

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　By Issue Date
　Authors
　Titles
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Author
　IPS, Editor (343)
　International Rice Research Institute. (76)
　International Rice Research Institute (65)
　Anon (52)
　KRISHNAMOORTHY, B (52)
　ANANDARAJ, M (51)

- **Indonesia**
  - **Indonesia Agricultural Repositories**
    - Bogor Agricultural University Repository
    - Hasanuddin University Repository
  - **Indonesian Journals on Agriculture**
    - AGRIVITA, Journal of Agricultural Science
    - Jurnal Ilmu Pertanian
- **Iran**
  - **Iranian Journals on Agriculture**
    - Agricultural Advances
    - Scientific Journal of Animal Science
    - Scientific Journal of Crop Science
    - Scientific Journal of Fisheries and Aquatic Sciences
    - Scientific Journal of Food Technology
    - Scientific Journal of Veterinary Advances
- **Malaysia**
  - **Malaysian Agricultural Repositories**
    - Agris@UPM
  - **Malaysian Journals on Agriculture**
    - Journal Of Agrobiotechnology
- **Philippines**
  - **Philippines Agricultural Repositories**
    - International Rice Research Institute Repository
  - **Philippines Journals on Agriculture**
    - Asian Journal of Biodiversity
    - International Rice Research Notes
    - Philippine Agricultural Scientist
    - Philippine Journal of Systematic Biology
- **Sri Lanka**
  - **Sri Lankan Agricultural Repositories**
  - **Sri Lankan Journals on Agriculture**

CALIS

- Current awareness in LIS

Training Workshops and Conferences

- 54 DSpace workshops
- International workshop on Data repositories in collaboration with ICSU-CODATA
- International Conference on Big Data and Semantic web
- Next Workshop: International Training workshop on Data Repositories (Feb 2017)
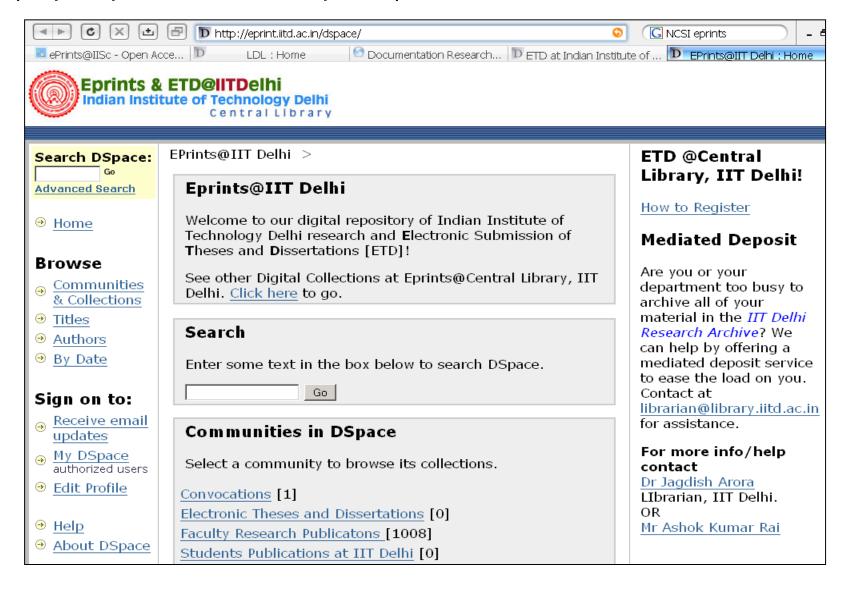
Data repositories

- CKAN: Mostly government

- Dataverse: Linking data to publications, allows data citation
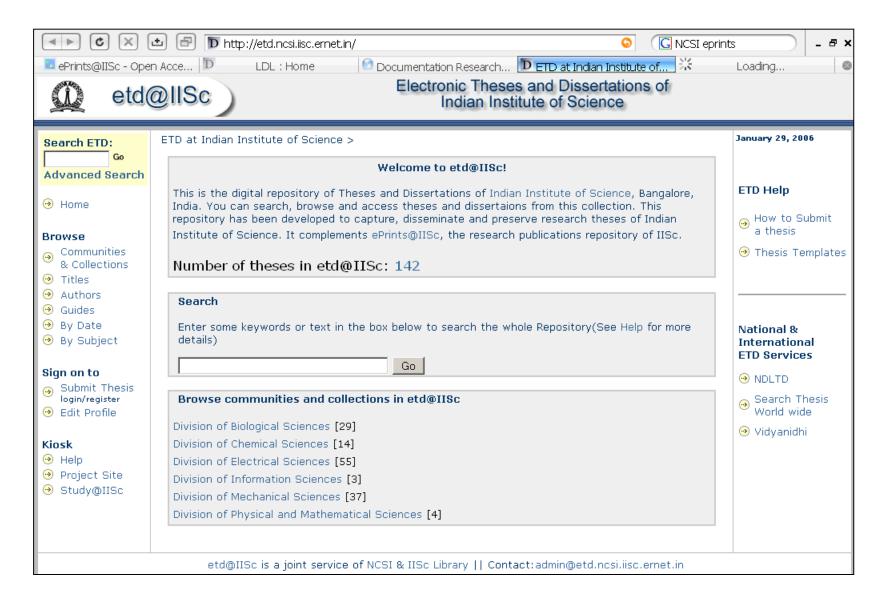
- Dryad: Based on DSpace

- Geonode

Many Others

- IIT Delhi (DSpace)
- etd@IISc (DSpace)
- NCRA, TIFR
- NCL
- ePrints@IISc
- OpenMed@NIC
- University repositories
- ...
- ...
- ...

Eprints & ETD @IIT Delhi

DRTC, Indian Statistical Institute, India

(http://eprint.iitd.ac.in/dspace/)

etd@IISc (http://etd.ncsi.iisc.ernet.in/)

DRTC, Indian Statistical Institute, India
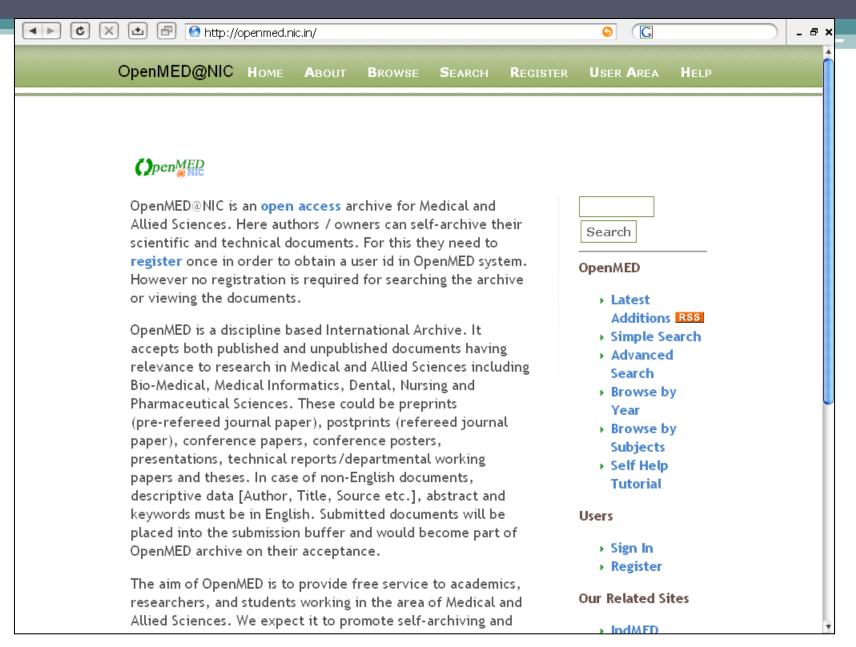
OpenMed@NIC (http://openmed.nic.in/)

DRTC, Indian Statistical Institute, India

- **Open access self-archive for Medical and Allied Sciences**
  - International Archive
  - Both published or unpublished research papers
    - Preprint, post-prints
    - Conference papers
    - Technical/Working Reports, & many more ...

Open Index Initiative (http://oii.igidr.ac.in/)

OII of the Indira Gandhi Institute of Development Research *(www.igidr.ac.in/)* is an initiative to develop an online and searchable bibliographic database for most of the Indian Social Science literature and resources available in Indian libraries.

http://openmed.nic.in/

OpenMED@NIC   **HOME**   **ABOUT**   **BROWSE**   **SEARCH**   **REGISTER**   **USER AREA**   **HELP**

OpenMED@NIC is an **open access** archive for Medical and Allied Sciences. Here authors / owners can self-archive their scientific and technical documents. For this they need to **register** once in order to obtain a user id in OpenMED system. However no registration is required for searching the archive or viewing the documents.

OpenMED is a discipline based International Archive. It accepts both published and unpublished documents having relevance to research in Medical and Allied Sciences including Bio-Medical, Medical Informatics, Dental, Nursing and Pharmaceutical Sciences. These could be preprints (pre-refereed journal paper), postprints (refereed journal paper), conference papers, conference posters, presentations, technical reports/departmental working papers and theses. In case of non-English documents, descriptive data [Author, Title, Source etc.], abstract and keywords must be in English. Submitted documents will be placed into the submission buffer and would become part of OpenMED archive on their acceptance.

The aim of OpenMED is to provide free service to academics, researchers, and students working in the area of Medical and Allied Sciences. We expect it to promote self-archiving and

Search

OpenMED

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> ▸ **Simple Search**
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> ▸ **Browse by Year**
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> ▸ **Self Help Tutorial**

Users

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Our Related Sites

> ▸ **IndMED**

Disciplines and Domains

- Agriculture
- Astrophysics
- Engineering
- Library and Information Science
- Medicine
- Meteorological

- University [multi disciplines]

Open Access India

- Advocating Open Access, Open Data and Open Education
- Launched as online advocacy facebook group on July 8th, 2011
  - ▫ Facebook group membership: 10248
- Grown into community of practice

Courtesy Sridhar Gutam, OAIndia

Aim and objectives

- Advocacy – sensitizing the students, researchers, policy makers and general public about Open Access, Open Data and Open Education.
- Development of community e-infrastructure, capacity building and framework for policies related to Open Access, Open Data and Open Education.

UNESCO collaboration

Guidelines for Open Data and Data Repositories

- A.R.D.Prasad and Devika Madalli

Open Access Principles

- Free knowledge from shackles of economic compulsions

  'Knowledge unto him who produces knowledge'.

- Making a case for OA material; no matter

  'Scholarship is the same; priced or open'.

- Be optimistic, working towards national level policies and Mandates

  'If one is convinced, others will be too'.

Adopting Open Mantra

- Use
    - Open Source tools
- With
    - Open Standards
- to create
    - Openly accessible Content

Challenges

- Cultural diversity and multilingualism
- Peer review is an accepted notion
- Awareness deficit
- Mandates of OA policy and funding is slack and slow
- Infrastructure levels are far below than desirable with non-affordability to Internet, poor electricity supply, quality of living among other factors
- Digital divide is wide and prevalent

Opportunities

- Embarking on ICT development – eGovernance, distance education, eLearning and online information services
- Government directly in the sector
- Growing Community

Possibilities

- **Collaborative platforms**: The networked world facilitates collaborative working in consortia mode enabling upscale economy, interoperability and at the same time proofing data.

- Late starters have great advantages!!

Recommendations

- COAR OS Support
  - Multilingual vocabularies
  - Integrate OpenURLs
  - OA scholarly publications+data??
  - Metadata for data repositories
  - Open Metrics

THANK YOU

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