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# **NSF gateway to Scientific literature**

Workshop on  
Proposal Writing

**National Science Foundation**

**19 June 2012**

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# Outline

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- NSF Literature
- Local Literature at the NSF
- Local Literature at Other institutions
- Global Literature collections – other local libraries
- Free Global literature – Journals ,reprint archives, theses collections etc
- Keeping up to date



# NSF Publications

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## For Scientists/Researchers

- Journal of the National Science Foundation [BROWSE](#) | [SEARCH](#)
- Sri Lanka Journal of Social Science |
  - [BROWSE](#) | [SEARCH](#)
- Research Reports of NSF Grants
  - [SEARCH](#)
- Conference papers - [SEARCH](#)
- Policy Research Studies/Policy reports
- Science Monographs [SEARCH2](#)
- Newsletters
- NSF Publications On-line [SEARCH](#)

## For Schools and the public

- Vidurava magazine | [BROWSE](#)
- Creative story books - [SEARCH](#)
- Mihimadala TV series (CD/DVD available)
- Science Book Series - [BROWSE](#)
- Monograph Series [SEARCH2](#)
- Science Education Series - [BROWSE](#)

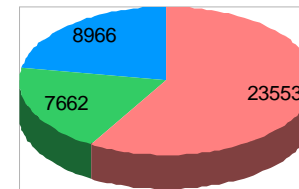
# Local Literature in the NSF National Repository

## Digitization of National Repository of S&T Literature

### Sri Lanka Science Index (40,000)

- Journal articles
- Conference proceedings
- Technical reports
- Research reports
- theses

### SLAAS Proceedings (8000)



- No. of Articles/Reports with Links to Full text
- No. of Articles/Reports Digitized & not Linked to the Full text
- No. of Articles/Reports to be Digitized & Linked to the Full text

The screenshot displays two web pages. The top page is the 'Sri Lanka Science Index' homepage, which includes a search bar and a list of search options: Title, Author(s), Source/Journal, Title Index, List of Authors, and Source Index. The bottom page is the 'National Science Foundation of Sri Lanka National e-Repository' homepage, featuring a search bar, a 'Browse' section with categories like Communities, Collections, Issue Date, Author, Title, Subject, and Type, and a 'Communities in DSpace' section listing various collections such as NSF Resources, Sri Lanka Conferences/Papers/Proceedings, Journals Published in Sri Lanka, and New Submissions.

## NSF e-repository

# Institutional e-repositories in Sri Lanka

**National Science Foundation**

<http://dl.nsf.ac.lk>

**Open University of Sri Lanka**

<http://digital.lib.ou.ac.lk/docs/>

**University of Colombo, Sri Lanka**

<http://archive.cmb.ac.lk/research/>

**University of Moratuwa, Sri Lanka**

<http://dl.lib.uom.lk/pastp>

**University of Sri Jayawardenapura Sri Lanka**

<http://dl.sjp.ac.lk:8080/dspace/>

**Health Information Network –**

<http://hellis.srilankahealthrepository.org>

**Sri Lanka Journals Online** <http://www.sljol.info>

**Arthur C Clerk Centre for Modern Technologies :**

<http://dl.accimt.ac.lk:8080/dspace/>

**SEARCH all Sri Lankan e-repositories**

<http://dl.nsf.ac.lk/ohs/>

The image displays a collage of screenshots from various Sri Lankan institutional e-repositories and journals. The top row shows the 'e-Repository Research & Publications' page of the University of Colombo, Sri Lanka, and the 'DIGITAL' page of the Open University of Sri Lanka. Below these are screenshots of the 'OUSL Digital Archive', the 'University of Moratuwa' library page, and the 'Sri Lanka Journals Online' (SLJOL) website. The bottom half of the image shows a search interface for 'Search Sri Lankan Repositories and Journals' with a search bar, a dropdown menu showing search results, and a search tips section.



# Theses collections of Sri Lanka

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- [Index to Post Graduate Theses \(National Library\)](#)
- [Post Graduate Institute of Medicine - theses \(Colombo \)](#)
- [Post Graduate Institute of Medicine/ Colombo \(theses\)](#)
- [Post Graduate Institute of Medicine/ Colombo \(Medical Index\)](#)
- [Health Information / Annotated Bibliography](#)
- [NSF Research Grants Database](#)
- [University of Colombo, Sri Lanka](#)
  - <http://archive.cmb.ac.lk/research/>
- [University of Moratuwa, Sri Lanka](#)
- <http://dl.lib.uom.lk/pastp>

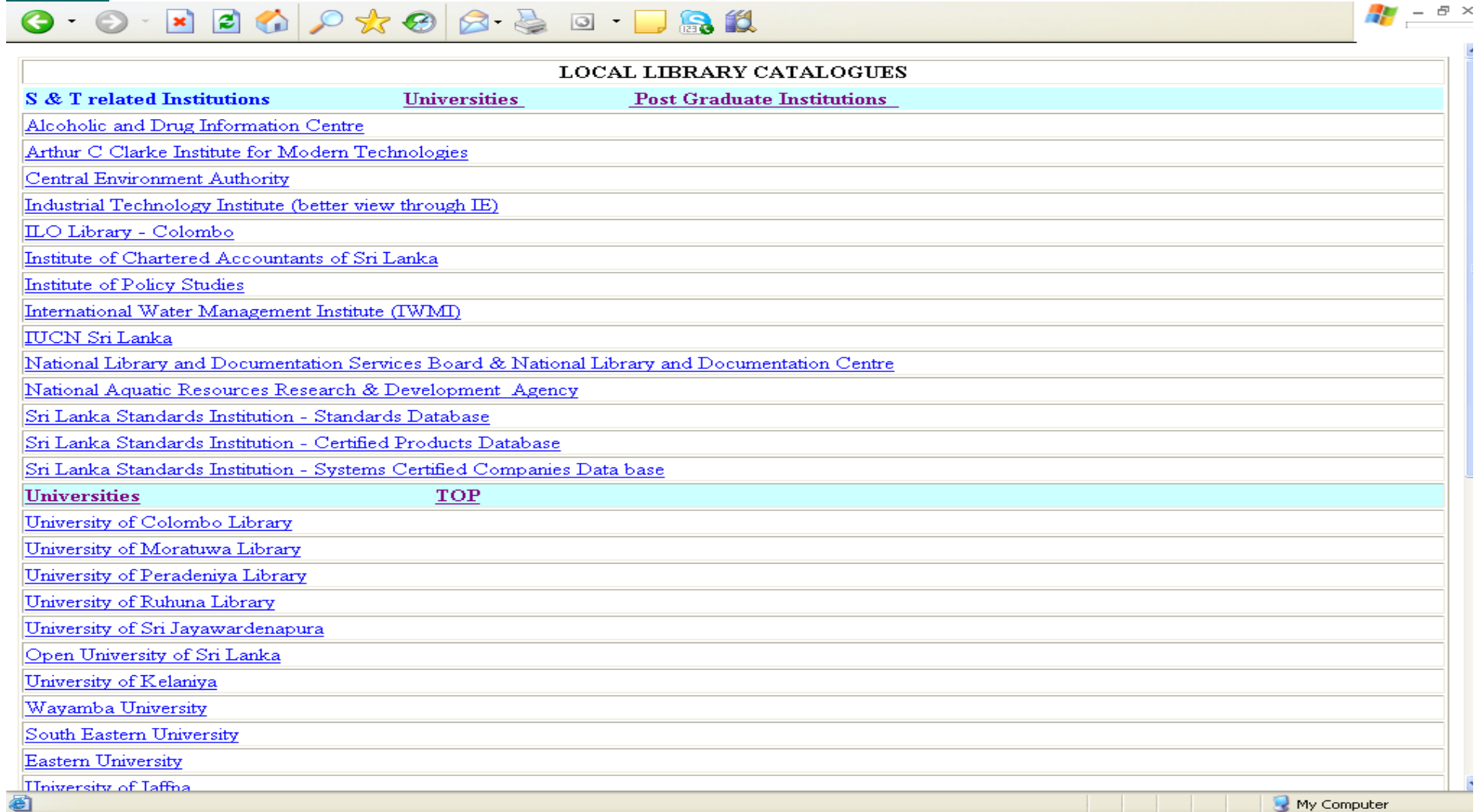


## Gateway to Local Library Resources

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- National Union Book Catalogue
- **Local Library catalogues** .....
- Health Information Network
- AGRINET (Agriculture Information Network)
- **Union List of periodical holdings**

# Local Library Catalogues (...)



The screenshot shows a web browser window with a taskbar at the top. The browser's address bar is empty. The main content area displays a list of local library catalogues under the heading "LOCAL LIBRARY CATALOGUES". The list is organized into three columns: "S & T related Institutions", "Universities", and "Post Graduate Institutions". The "Universities" column is currently selected and highlighted in light blue. The list includes various institutions such as the Alcoholic and Drug Information Centre, Arthur C Clarke Institute for Modern Technologies, Central Environment Authority, Industrial Technology Institute, ILO Library - Colombo, Institute of Chartered Accountants of Sri Lanka, Institute of Policy Studies, International Water Management Institute (IWMI), IUCN Sri Lanka, National Library and Documentation Services Board & National Library and Documentation Centre, National Aquatic Resources Research & Development Agency, Sri Lanka Standards Institution - Standards Database, Sri Lanka Standards Institution - Certified Products Database, Sri Lanka Standards Institution - Systems Certified Companies Data base, University of Colombo Library, University of Moratuwa Library, University of Peradeniya Library, University of Ruhuna Library, University of Sri Jayawardenapura, Open University of Sri Lanka, University of Kelaniya, Wayamba University, South Eastern University, Eastern University, and University of Jaffna. The taskbar at the bottom shows the "My Computer" icon.

LOCAL LIBRARY CATALOGUES		
<u>S &amp; T related Institutions</u>	<u>Universities</u>	<u>Post Graduate Institutions</u>
<a href="#">Alcoholic and Drug Information Centre</a>		
<a href="#">Arthur C Clarke Institute for Modern Technologies</a>		
<a href="#">Central Environment Authority</a>		
<a href="#">Industrial Technology Institute (better view through IE)</a>		
<a href="#">ILO Library - Colombo</a>		
<a href="#">Institute of Chartered Accountants of Sri Lanka</a>		
<a href="#">Institute of Policy Studies</a>		
<a href="#">International Water Management Institute (IWMI)</a>		
<a href="#">IUCN Sri Lanka</a>		
<a href="#">National Library and Documentation Services Board &amp; National Library and Documentation Centre</a>		
<a href="#">National Aquatic Resources Research &amp; Development Agency</a>		
<a href="#">Sri Lanka Standards Institution - Standards Database</a>		
<a href="#">Sri Lanka Standards Institution - Certified Products Database</a>		
<a href="#">Sri Lanka Standards Institution - Systems Certified Companies Data base</a>		
<u>Universities</u>	<u>TOP</u>	
<a href="#">University of Colombo Library</a>		
<a href="#">University of Moratuwa Library</a>		
<a href="#">University of Peradeniya Library</a>		
<a href="#">University of Ruhuna Library</a>		
<a href="#">University of Sri Jayawardenapura</a>		
<a href="#">Open University of Sri Lanka</a>		
<a href="#">University of Kelaniya</a>		
<a href="#">Wayamba University</a>		
<a href="#">South Eastern University</a>		
<a href="#">Eastern University</a>		
<a href="#">University of Jaffna</a>		



## Access to Global Resources

Databases subscribed by the NSF

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### Citation & Abstracting Databases

SCOPUS



### Full Text databases

- TEEAL (The Essential Electronic Agricultural Library)  
*over 250 titles*
- AGORA –Agriculture JOURNALS - 1900 titles
- HINARI - OVER 8000 RESOURCES in Medical and Health Sciences



# Gateways/Directories

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## BUBL Information Service

(<http://www.bubl.ac.uk>)

A UK oriented information service for the higher education community.

Links to over 10,000 quality Internet resources covering all subject areas, and sub-divided by type of resource. Search or browse functions.

## INTUTE <http://www.intute.ac.uk>

Gateway to evaluated web resources

## **WorldWideScience.org**

(<http://worldwidescience.org/indextext.html>)

## **Strategic Guide**

(<http://www.strategian.com/>)

Quality Information in Biology, Chemistry, Computer Science, Mathematics, Medicine, Physics, and Psychology is another popular subject such gateway.

- **The WWW Virtual Library**
- **Librarians' Index to the Internet**
- **Open Directory**



# INTUTE Subject Gateway ...

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- Agriculture, food and forestry
- Architecture and planning
- Biological sciences
- Business and management
- Communication and media studies
- Creative and performing arts
- Education and research methods
- Engineering
- Geography and environment
- Humanities
- Law
- Mathematics and computer science
- Medicine including dentistry
- Modern languages and area studies
- Nursing, midwifery and allied health
- Physical sciences
- Psychology
- Social sciences
- Veterinary medicine



# Citation databases

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- **SCOPUS**
- **Web of Science – Web Citation Index**  
<http://science.thomsonreuters.com/press/2005/8298416/>)
- **Google Scholar** – free + non free resources  
(<http://www.google.com> )
- **CiteSeerX** – Indexes Academic/Scientific free web resources – 1.5 documents  
(<http://ksuseer1.ist.psu.edu/index;jsessionid=2E035E69C3D6889FE6D96B370FDB9C50>)
- **Citebase Search** – Harvests Open Access reprints  
(<http://www.citebase.org/> )
- **Open Access Journals Search Engine**  
[http://www.oajse.com/about\\_us.html](http://www.oajse.com/about_us.html)
- **Open Science Directory**



# Free Global resources

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- **Open Access Journals**
- **Hybrid Journals**
- **Literature archives**
  - **Institutional repositories**
  - **Subject repositories**
  - **Journal repositories**
    - **Immediate access after publication**
    - **Access after an embargo period**
  - **Theses repositories**
  - **Books and other materials**



## Open Access Journals

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Open access journals are distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

- Non commercial publishers
- Commercial publishers



# Free Global Resources

## Open Access Journals

- **Directory of Open Access Journals** <http://www.doaj.org> - over 2500
- **Asian Online Journals**
- **BioMed Central** - <http://www.biomedcentral.com/> 184 titles
- **Public Library of Science** - 7 titles - <http://www.plos.org/publications/journals/>
- **COOL – Central Online Open Access Library** – 12 titles in Geosciences
- **Wiley Open Access** - <http://www.wileyopenaccess.com/details/content/12f25d1df44/About.html>  
○ 12 titles
- **Hindawi** – <http://www.hindawi.com/journals/>  
more than 300 Open Access journals covering a wide range of academic disciplines
- **Oxford Open Journals** – 9 titles <http://www.oxfordjournals.org/oxfordopen/>
- **Springer Open** - <http://www.springeropen.com/journals> - 88 titles
- **Elsevier**
- **EBSCO** – many titles (Biological, Computer, Mathematics, Stats, Medical, Physics, Astronomy, Religion, Philosophy, Arts ....)

# Free Global Resources

## Journal Gateways

**J-STAGE** - 1642 titles

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<https://www.jstage.jst.go.jp/FF01S010Init?sourceurl=%2Fbrowse%2F>

- **Open Science Directory** — Open Access Journal 13000 titles  
<http://www.opensciencedirectory.net/>
- **Open J-gate** — Many titles (English) <http://www.openj-gate.com/> :  
The World's Largest Open Access English Language Journals Portal. links to full text at publisher sites.
- **Directory of Free Full-Text Journals in Chemistry** —  
<http://www.abc.chemistry.bsu.by/current/>
- **Free Medical Journals** <http://www.freemedicaljournals.com/>
- **American Chemical Society** : access to research articles published in its 33 scholarly journals. Unrestricted access via author-directed links 12 months after publication



# Free Medical Journals -

<http://freemedicaljournals.com/fmj/SPECIAL.HTM>

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- **3223 Journals**

- **Subjects**

- Medical
  - Biology
  - Cardiology
  - Endocrinology
  - Infectious Diseases
  - Genetics
  - Microbiology
  - Neurology
  - Oncology
  - Physiology

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- **Free access**

- Immediately
- After 1-6 months
- After 7-12 months  
Later



# Search Engines

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- Search engine <http://www.freefullpdf.com/>

Find free full text scientific articles in PDF Format.

indexes more than 80 millions of free references (mostly to journal articles, theses, patents and posters).

- **Open Access Journals Search Engine (OAJSE)**  
[http://www.oajse.com/about\\_us.html](http://www.oajse.com/about_us.html)

- 20% of peer-reviewed articles across all disciplines are now freely available.

these valuable collections are difficult to consult from a single platform.

# Free Global Resources Literature Archives

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## **ArXiv - Physics, Mathematics, Computer Science**

<http://arxiv.org/>

Open access to 761,110 e-prints in Physics, Mathematics, Computer Science, Quantitative Biology, Quantitative Finance and Statistics

## **Pub Med Central** : <http://www.ncbi.nlm.nih.gov/pmc/>

PMC is a free full-text archive of biomedical and life sciences journal literature at the U.S. National Institutes of Health's National Library of Medicine (NIH/NLM). **2.4 MILLION** Articles are archived in PMC.

## **Science Chemistry and Mathematics Preprint Server**

([http://www.chemweb.com/preprint\\_](http://www.chemweb.com/preprint_))

## **Highwire press** : <http://highwire.stanford.edu/lists/freeart.dtl?sa=X>

- As of 5/18/12, **2,117,642 free full-text articles** and 6,504,281 total articles.
- 21 sites with free trial periods, and
- 54 completely free sites. 275 sites have free back issues, and
- 1334 sites have pay per view

## **JSTORE** – Over 1000 titles (at Univ. Colombo, Univ. Peradeniya)



# Free Global Resources

## Theses repositories

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- **ETHOS - UK Dissertations/Theses** (<http://ref-notes.blogspot.com/2010/01/ethosfree-downloads-of-uk.html>)
- **DART** (<http://www.dart-europe.eu/About/info.php> ) single European Portal for the discovery of Electronic Theses and Dissertations
- **Vidya Nidhi** - <http://dspace.vidyanidhi.org.in:8080/dspace/>
- **Theses, Dissertations & Graduate Projects, Queens University, Canada :**  
<http://qspace.library.queensu.ca/handle/1974/196>
- **e-Asia Digital Library** (<http://e-asia.uoregon.edu/>) : collection of digitized e-books and a database of full text web resources
- **OAPEN** (Open Access Publishing in European Networks) : **online library and publication platform** (<http://www.oapen.org/>)



# Keeping Up to date

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- **NSF Literature Alert Service**
- **Alert Services of**
  - **Publishers**
  - **Database vendors**
  - **Citation Services**
- **Networking with peers**
  - **List Serves**
  - **Blogs**
  - **WIKIS**
- **Social Bookmarking**



*End*

*Thank You*