

ETD Policies, Strategies and Initiatives in India: A Critical Appraisal

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Public Funded Research in India

- Doctoral Research is supported through:
 - Junior Research Fellowship (JRF)
 - Senior Research Fellowship (SRF)
 - State Scholarship
 - Study Grants
- Pre-Doctoral Research (such as, M.Phil., M.Tech., M.D., MS Research) is supported through monthly scholarship, study grants, etc.
- Public funded doctoral and pre-doctoral research produce a considerable amount of scholarly literature, such as dissertations and theses
- National Knowledge Commission and other advisory bodies recommend to disseminate these literature through open access channels

Research Fellowship Schemes available during 11th Five Year Plan (2007-2012) - Examples

Name of the Scheme	Responsible Agency	Amount in INR (Crore)	USD (Million)
Research Fellowships in Basic Sciences & Interdisciplinary areas	CSIR	870.00	213.14
GATE qualified Junior Research Fellowship (JRF-GATE) Scheme	CSIR	50.00	12.25
Trans-disciplinary Fellowship Scheme	CSIR	14.00	3.43
Shyama Prasad Mukherjee Fellowship Scheme (SPMF)	CSIR	16.00	3.92
Research Fellowships in all Major Subjects & Interdisciplinary Areas	UGC	1500.00	367.49
Teaching Assistantship for Doctoral Students (Non Fellowship)	UGC	150.00	36.75

Policy Framework in India

- UGC (Submission of Metadata and Full-text of Doctoral Theses in Electronic Format) Regulations, 2005
 - Recommends
 - Creation of Indian National Theses Database (INTED)
 - Submission of PhD Theses in Electronic Form

Implications of UGC Regulations

- A roadmap in achieving wide dissemination of results of doctoral research conducted in Indian universities
- Bibliographic control of theses and dissertations of research degrees
- Quality control in public funded research
 - Avoiding duplication of research efforts
 - Avoiding malpractices, such as plagiarism
- Proper utilization of infostructure in Indian universities, particularly subscribed electronic resources

INDEST Consortium

- A strategic alliance of elite institutions, maintaining S&T education grid, improving access to subscription-based electronic resources, partnered with Ministry of Human Resource Development (MHRD) and All India Council for Technical Education (AICTE)
- An advocacy group for open access movement in India
- Consortium Consists of:
 - Core Members (supported by MHRD) (37)
 - Such as, IISc, IITs, IIMs, IIITs, etc.
 - AICTE-supported Members (government institutions) (60)
 - Self-supported Institutions (private institutions recognized by AICTE) (517)

Advocacy Roles of INDEST

- Recommended establishment of ETD Repository in each core member institution
- Retrospective digitization of back volumes of thesis and dissertation collections on project basis and make them available through open access or campus-wide institutional/ETD repositories.
- Prepared a number of guidelines on the ETD and organized training workshops for implementations of open access repositories across member institutions
- Now, member institutions accept electronic submission of theses and dissertations for archiving in respective IR and ETD repository
- Consortia provides consultative supports to other Indian consortiums, research agencies and individual institutions in formulation of open access policies and implementation of ETD/institutional repositories

Open Access to ETDs in India

Name of Initiative	Name of Institution	No. of Full-text Theses	No. of Other Items	URL	Software Used
Vidyanidhi	Univ. of Mysore	4151	0	http://dspace.vidyanidhi.org.in:8080/dspace/	DSpace
Dspace@TIET	Thapar University	259	33	http://dspace.tiet.ac.in/dspace/	DSpace
ETD@IISc	Indian Institute of Science	229	0	http://etd.ncsi.iisc.ernet.in/	DSpace
DSpace@NCL	National Chemical Laboratory	208	149	http://dspace.ncl.res.in/dspace/	DSpace
Open Access Repository of IIAP	Indian Institute of Astrophysics	83	1389	http://prints.iiap.res.in/	DSpace
Eprints & ETD@IIT Delhi	Indian Institute of Technology Delhi	30	2106	http://eprint.iitd.ac.in/dspace/	DSpace
DSpace@NITR	National Institute of Technology Rourkela	13	388	http://dspace.nitrkl.ac.in/dspace/	DSpace
OpenMED@NIC	National Informatics Centre	8	1491	http://openmed.nic.in	EPrints



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DSPACE at Vidyanidhi >

DSpace is Live

Welcome to our digital repository of My University research!
More exciting news to appear here.

Search

Enter some text in the box below to search DSpace.

 Go

Communities in DSpace

Select a community to browse its collections.

[Collection by University](#)

[Indian ETD Collection](#)

Vidyanidhi

- An initiative of University of Mysore, supported by Department of Scientific & Industrial Research of India (DSIR) and Ford Foundation
- National Repository of full-text ETDs
- Also maintains a bibliographic database of Indian theses
- Has partnership with NASSDOC, University of Hyderabad, Jamia Millia Islamia, for sourcing ETDs
- A wide range of subject coverage

ETDs @ Thapar University

- An initiative of Thapar University, Patiala
- Institutional Repository of full-text ETDs; also contains other types of documents
- Subject coverage limited to engineering and technology

The screenshot shows the DSpace website interface. At the top left is the DSpace logo with a link to 'About DSpace Software'. Below the logo is a search bar with a 'Go' button and a link to 'Advanced Search'. The main content area is titled 'Electronic Theses & Dissertations @ TU' and is described as the 'Collection home page'. It features a search box with a dropdown menu set to 'Electronic Theses & Dissertations @ TU', a 'Search for' input field, and a 'Go' button. Below the search box are buttons for 'Titles', 'Authors', and 'By Date'. A 'Subscribe' button is also present. On the right side, there is a 'Recent Submissions' section with several links to documents. The footer includes the W3C XHTML 1.0 logo and copyright information for DSpace Software, MIT, and Hewlett-Packard.

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DSpace at Thapar University(TU) >
Research@TU >

Electronic Theses & Dissertations @ TU
Collection home page

Search DSpace

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[Home](#)

Browse

- [Communities & Collections](#)
- [Titles](#)
- [Authors](#)
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Sign on to:

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Recent Submissions

- [Procedure for submitting theses online](#)
- [Studies in Metallurgical and Magnetic properties of permalloys for industrial applications](#)
- [Design and Development of Compile Time Task Scheduling Algorithms for Grids](#)
- [A Framework for Measuring Hardening Capabilities of an Operating System](#)
- [Designing Masking Ruleset for Hiding Operating System Identity](#)

In: Electronic Theses & Dissertations @ TU
Search for
or browse

Subscribe to this collection to receive daily e-mail notification of new additions

[DSpace Software](#) Copyright © 2002-2005 [MIT](#) and [Hewlett-Packard](#) - [Feedback](#)

ETD@IISc

- An initiative of Indian Institute of Science, Bangalore (IISc), maintained by National Centre for Science Information (NCSI)
- Institutional Repository of full-text ETDs; also contains digitized collections
- Subject coverage limited to applied science, engineering and technology
- An showcase initiative from a core member INDEST Consortium for accelerating open access movement amongst INDEST members

ETDs @ National Chemical Laboratory

- An initiative of National Chemical Laboratory, Pune (NCL), a prominent laboratory of Council of Scientific and Industrial Research (CSIR)
- Institutional Repository of full-text ETDs; also contains other types of documents
- NCL has a large pool of CSIR research fellows, largest amongst 42 CSIR laboratories
- An showcase initiative from a CSIR lab for accelerating open access movement amongst CSIR research fellows

The screenshot shows the DSpace@NCL website interface. At the top, there is a header with the DSpace logo and the NCL logo. Below the header, the page is divided into several sections:

- Search DSpace:** A search bar with a "Go" button and a link to "Advanced Search".
- Navigation:** A "Home" link and a "Browse" section with links for "Communities & Collections", "Titles", "Authors", and "By Date".
- Sign on to:** Links for "Receive email updates", "My DSpace authorized users", "Edit Profile", "Help", and "About DSpace".
- Thesis Collection home page:** A central section with a search form. The search form includes a dropdown menu set to "In: Thesis", a "Search for" input field, and a "Go" button. Below the search form are options to "or browse" by "Titles", "Authors", or "By Date".
- Recent Submissions:** A list of recent submissions with links to various articles, such as "Studies on Electromechanical Sensors and Actuators based on Conducting Polymers", "Biosynthesis and Immobilization of Nanoparticles and Their Applications", "Structure and Properties of Nanoparticulate Mica-Thermoplastic Composites...", "SYNTHETIC STUDIES TOWARDS BIOACTIVE MOLECULES USING ASYMMETRIC DIHYDROXYLATION AND ORGANIC TRANSFORMATION USING YTRIA-ZIRCONIA AND OTHER HETEROGENEOUS CATALYST", and "SYNTHESIS AND CHARACTERIZATION OF MESOPOROUS MATERIALS AND THEIR APPLICATIONS IN FINE CHEMICALS".

At the bottom of the page, there is a footer with the text: "DSpace Software Copyright © 2002-2004 MIT and Hewlett-Packard - Feedback".

CASSIR

Cross Archive Search Services for Indian Repositories

[Home](#) [About](#) [Search](#) [Browse](#) [Help](#)

Home > **CASSIR**

CASSIR

All Fields

Archives
Catalysis Database (ePrints@NCCR IIT Madras)
DRS at National Institute of Oceanography
DSpace at ICFAI BUSINESS SCHOOL (IBS), Ahmedabad
DSpace at IIMK

Title

Creator

Date From
Until January February March April May June July August September
October November December

Language
en
other
en_US
fr

Identifier

Description

Format

Publisher

Rights

Type

Subject

Relation

Contributor

Search

Cross Archive Search Service for Indian Repositories (CASSIR)

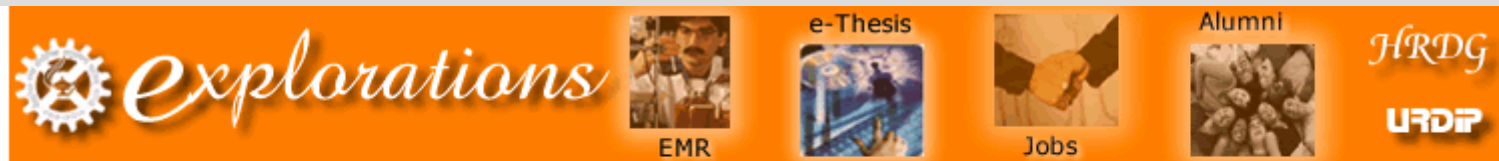
- An initiative of National Centre for Science Information (NCSI) of Indian Institute of Science (IISc) and supported by Department of Scientific & Industrial Research of India (DSIR)
- Has cross-searching functionality
- At present, CASSIR covers 18 open access repositories in India
- Can be searched by document type, such as, Thesis or Dissertation

Bibliographic Control of Information on Theses and Dissertations in India

- **CSIR e-Thesis**
 - CSIR Unit for Research and Development of Information Products (URDIP), Pune
- **National Online Union Catalogue of Doctoral Theses**
 - Information and Library Network Centre (INFLIBNET) of University Grants Commission (UGC)
- **Vidyanidhi Indian Theses database**
 - University of Mysore
- **DELNET Theses and Dissertations Database (Union Catalogue)**
 - Developing Library Network (DELNET)
- **Bibliographies of Doctoral Dissertations**
 - Published in University News (weekly journal of Association of Indian Universities)
- **Doctoral Theses Repository in NASSDOC (In-house Catalogue)**
 - National Social Science Documentation Centre (NASSDOC) of Indian Council of Social Science Research (ICSSR)

CSIR e-Thesis

- An online bibliographic database of doctoral theses submitted by CSIR research fellows
- An initiative of CSIR Unit for Research and Development of Information Products (URDIP) at Pune, India
- An authoritative source for information on doctoral research undertaken by CSIR research fellows
- Would be scaled up as a full-text digital library



e-Thesis

Go to..

- Home
- Jobs
- EMR
- Alumni

e-Thesis is a database of doctoral theses submitted by CSIR fellows. It is the only one central authoritative source for information about CSIR doctoral dissertations. The potential users of this database include doctoral candidates who would like to make sure that their proposed thesis topics have not already been written about. Students, faculty and other researchers may search it for titles related to their scholarly interests.

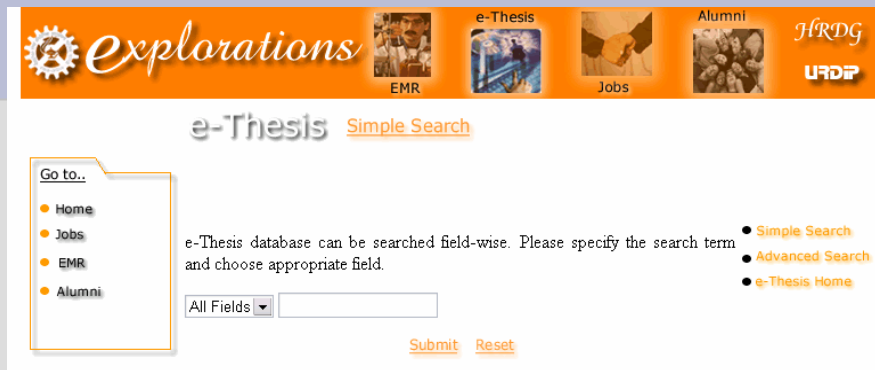
The database represents the work of authors from over 250 national laboratories, universities and research institutes in India.

- [Browse](#)
- [Simple Search](#)
- [Advanced Search](#)

Subject Coverage in CSIR e-Thesis Database

Research Area	Number of Records	Percent
Chemistry	541	82.22
Biology	54	8.21
Physics	40	6.08
Biotechnology	11	1.67
Pharmaceuticals	2	0.30
Engineering	2	0.30
Leather Processing	2	0.30
Botany	1	0.15
Earth Sciences	1	0.15
Environment	1	0.15
Medicine	1	0.15
Others	2	0.30
Total	658	100.00

Search and Display Interfaces of CSIR e-Thesis



Explorations EMR e-Thesis Jobs Alumni HRDG URDIP

e-Thesis [Simple Search](#)

Go to..

- Home
- Jobs
- EMR
- Alumni

e-Thesis database can be searched field-wise. Please specify the search term and choose appropriate field.

All Fields

[Submit](#) [Reset](#)

- Simple Search
- Advanced Search
- e-Thesis Home



Explorations EMR e-Thesis Jobs Alumni HRDG URDIP

e-Thesis [Advanced Search](#)

Go to..

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2 Theses found in this Search.

- [The molecular basis of mammalian sperm capacitation](#)
- [CHARACTERIZATION OF THE INTEGRASE GENE OF THE PHAGE PIS PIS136 AND ITS POSSIBLE USE AS A MOLECULAR TOOL](#)

- Simple Search
- Advanced Search
- e-Thesis Home



Explorations EMR e-Thesis Jobs Alumni HRDG URDIP

e-Thesis [Advanced Search](#)

Go to..

- Home
- Jobs
- EMR
- Alumni

e-Thesis database can be searched by combining various fields with Boolean operators. Please specify the search term and combine various fields with Boolean operator.

All Fields AND

All Fields AND

All Fields AND

All Fields [Submit](#) [Reset](#)

- Simple Search
- Advanced Search
- e-Thesis Home

All Fields

- Title
- Author
- Guide
- Institute
- University
- Synopsis

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e-Thesis

Go to..

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E-Thesis No ETN:T25A24

Title [The molecular basis of mammalian sperm capacitation](#)

Author Kula Nand Jha

Position SRF

Guide [Dr. S. Shivaji](#)

University Jawaharlal Nehru University(JNU)

Institute CCMB, Hyderabad

Area Biology

Specilization Molecular Biology

Submitted Year 2001

[Synopsis](#)

*Fertilization is a unique event in the life of an organism. It results from the reciprocal interaction of the sperm and the oocyte. Spermatozoon or the male

- Simple Search
- Advanced Search
- e-Thesis Home

Also gives links to Papers and Patents published by the researcher based on the thesis work

INFLIBNET National Online Union Catalogue of Doctoral Theses

- An online union catalogue and bibliographic database of doctoral theses submitted in Indian universities and available in university libraries across India
- An initiative of UGC's Information and Library Network Centre (INFLIBNET), India
- An authoritative source for information on doctoral research undertaken by UGC research fellows and other doctoral students
- Would be scaled up as a full-text digital library

The screenshot shows the INFLIBNET website interface. At the top, it says 'INFLIBNET' and 'Information and Library Network Centre (An IUC of UGC)'. The main heading is 'INFLIBNET's National Online Union Catalogue of Doctoral Theses'. There are navigation links for 'Books', 'Serials', and 'Theses'. A 'Participating Universities' section lists 20 universities, including Alagappa University, Aligarh Muslim University, Amravati University, Anna University, Annamalai University, Arunachal University, Assam University, Avinashilingam Institute for Home Science, Babasaheb Bhimrao Ambedkar University, Lucknow, Banasthal Vidyapeeth, Banasthal Vidyapeeth, Bangalore University, Bharathiar University, Bharathidasan University, Bhanuagar University, Birla Institute of Technology & Science, Pilani, Chhatrapati Shahu Ji Maharaj University, Devi Ahilya Vishwavidyalaya, and Dibrugarh University.

The search interface includes a 'Basic Search' and 'Advance Search' option. The search criteria are set to 'Union catalogue of Theses (Basic Search)'. The 'Select the Field' dropdown menu is open, showing options: Title, Creator [Researcher], Contributor [Guide], Subject [Keyword], Date [Year of Award], and Degree Discipline [Department]. The search term is empty, and the number of records is set to 10 per page. There are 'Click to Search' and 'Reset' buttons.

On the right, there is a text box explaining the database: 'This union database covers the bibliographic Metadata of Doctoral Theses submitted to more than 130 Universities/Institutes in India. It has over 1,53,206 unique records from all subject areas. This Data is contributed by participating Universities and we have collected more data from various reliable sources, university announcements etc. If the record of your Ph D is not available in this database, you are requested to send us a copy of your award letter from the concerned Universities. INFLIBNET as an IUC of UGC, request all research scholars and faculty members of Indian Universities and Librarians to contribute the Doctoral Theses information to us.'


Below the search interface is a 'Metadata Elements' table with a 'Brief Help' column. The table lists various metadata fields and their descriptions:













Metadata Elements	Brief Help
Title	Enter all or initial part of title, starting with the first word: e.g. Study of corrosion - Drop initial articles (a, an, the) - Truncation is automatic
Subject [Keyword]	Enter standard subject heading, name, or term: PHYSICS - Truncation is automatic
Creator [Researcher]	Enter surname or first name, e.g. Cholin or Veeranna
Contributor(s) [Guide(s)]	Enter surname or first name, e.g. Karisiddappa or C R
Degree Grantor [University]	Enter university name, e.g. Gujarat University - Start with the left-most word: - Truncation is automatic.
Degree Discipline [Department]	Enter department or faculty name, e.g. Department of Computer Science
Date [Year of Award]	Enter the year of Ph D awarded, e.g. 2001
Other Elements	Brief Help
Keyword in Title	Enter a keyword in title, e.g. corrosion
Place of University	Enter the Place, e.g. Ahmedabad

At the bottom, there are links for 'Home', 'Contact Us', 'Credits', 'Disclaimer', and 'Feedback'. The footer also contains the text 'Best view of this site in 1024 by 768 Pixels' and 'Copyright © 2006 INFLIBNET. All Rights Reserved'.

DELNET Theses and Dissertations Database

- An online union catalogue and bibliographic database of theses and dissertations available in member libraries
- An initiative of Developing Library Network (DELNET) – a major Library Network in India and South Asia
- Also covers Masters' dissertations and project reports

 [Return Home](#)

Search Now Clear

Title :
contains the phrase

Area of Responsibility :
contains the phrase

Subject Descriptors :
contains the phrase

Date of Publication :
contains the phrase











Location Code :
contains the phrase


Fields : Type of Material
contains the phrase

Fields : Part Statement
contains the phrase

Sort By: NONE Sorting Order: Ascend Field Connector: OR

Search Now Clear

 [Return Home](#)

DELNET- DEVELOPING LIBRARY NETWORK

DELNET DATABASES

 [Union Catalogue of Books](#)
 [Union Catalogue of Periodicals](#)
 [Article's Database](#)
 [Indian Specialists' : A Who's Who](#)
 [Theses & Dissertations Database](#)
 [DEVINSA Database](#)
 [National Bibliographic Database](#)

 [Union List of Periodicals](#)
 [Union List of CDROM's](#)
 [Union List of Videorecordings](#)
 [Union List of Soundrecordings](#)
 [Urdu Manuscripts](#)
 [Engg. & Technology E-Journals : Table of Contents](#)



[ONLINE HELP](#)
[DESK](#)
[THROUGH](#)
[YAHOO](#)
[MESSANGER](#)

[Abbreviations of](#)
[Participating](#)
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Conclusion

- The elite Indian institutions are forerunners in implementing ETD repositories, followed by national laboratories and central universities
- Not all universities and institutions are encouraging submission of electronic copies of theses and dissertations
- Those accepting electronic copies of theses and dissertations, are not fully prepared to implement ETD repositories or bibliographic databases at institutional level
- As number of universities and higher educational institutions is growing, a rush for research degrees observed. Thus, need for proper mechanism of quality assurance arises through implementation of ETD repositories and online bibliographic databases
- Centralized ETD repositories at the fellowship granting agency level
- Decentralized ETD repositories at the degree awarding university level
- Current (11th) Five Year Plan will provide necessary frameworks and infrastructure in achieving open access to scholarly literature of public funded research

Thank You

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