INFLIBNET &

Open Access Initiatives

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Celebrate Open Access Week with ORCID, 25th October 2022
Presentation overview

✓ Higher Education Institutions in India
✓ INFLIBNET Centre
✓ Open Access Initiatives
  • Research Resources
  • eLearning Resources
  • Bibliographic Database
✓ ORCID membership & Data integration
Indian Higher Education Institutions an overview

- 1100 Universities
- 54000 Institutes
- 1.5 million Faculty members
- 30 million Students
- 2.8 million publications
- 0.6 million Open Access
- 2.2 million Closed Access

54000 Institutes

1.5 million Faculty members

30 million Students

2.8 million publications

0.6 million Open Access

2.2 million Closed Access
INFLIBNET & its Journey

- **Born** 1991: Started as a project under IUCAA
- **Growth** 1996
- **Stronger** 1997-2002: Known for library automation, Union Catalogue
- **Bigger** 2002-2007: UGC Infonet & Consortium
- **Greater** Today: Connecting Higher Education Institutions through New Schemes and Initiatives
Started in the year 2010 through UGC notification to archive the PhD thesis submitted by the scholars in the Indian Higher Education institutions
202,000 PhD scholars enrolled
39,000 scholars graduated

-AISHE Report 2020
Incentives to Eligible Universities

✓ Access to Plagiarism Detection Software (2014 onwards)
✓ Funds for Digitization of Backlist (Five Years) of theses
✓ Funds for Setting-up an ETD Laboratory
✓ Regular follow-up with universities to upload their theses
✓ Universities deposit their theses directly into the repository
✓ Policy Guidelines to Handle Plagiarism in Universities
Repository of Research in Progress/Synopses
MRPs/ PDFs/ Emeritus Fellowship Reports

Search Synopsis in Shodhgangotri

TOTAL SYNOPSIS PDFs Fellowship
9468 9297 24 31 5

About Shodhgangotri

Repository of Research in Progress/Synopses MRPs/ PDFs/ Emeritus Fellowship

The word “Shodh” originates from Sanskrit and stands for “research and discovery”. “Gangotri” is one of the largest glaciers in the Himalayas and the source of origination of the Gangas, the holiest, longest, and largest of rivers in India. The Gangas is the symbol of age-long culture, civilization, ever-aging, ever-flowing, ever-living, and loved by its people.

Under the initiative called “ShodhGangotri”, research scholars/research supervisors in universities are requested to deposit an electronic version of the approved synopsis submitted by research scholars to the universities for registering themselves for the Ph.D. programme now it is expanded to MRPs/PDFs/Emeritus Fellowship, etc. The repository on one hand would reveal the trends and directions of research being conducted in Indian universities, on the other hand, it would avoid duplication of research. Synopsis in “ShodhGangotri” would later be mapped to full-text theses in “ShodhGanga”. As such, once the full-text thesis is submitted for a synopsis, a link to the full-text theses would be provided from ShodhGangotri to “ShodhGanga”.

Universities Contributed to Shodhgangotri

<table>
<thead>
<tr>
<th>University</th>
<th>Number of Contributions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shri Jagdishprasad Jyotirao Tibrewala University</td>
<td>399</td>
</tr>
<tr>
<td>Swami Ramnund Teerth Marathwada University</td>
<td>119</td>
</tr>
<tr>
<td>Dnyanvedan College, Nagpur</td>
<td>107</td>
</tr>
<tr>
<td>College of Engineering and Technology</td>
<td>102</td>
</tr>
<tr>
<td>Jai Bhoj Women’s University</td>
<td>77</td>
</tr>
</tbody>
</table>
ICSSR Data Services

- Initiative of ICSSR and implemented by INFLIBNET Centre
- Indian Council of Social Science Research (ICSSR)
- Ministry of Statistics and Programme Implementation (MoSPI).
- Social Science Data Repository” and hosting of NSS and ASI datasets into the data repository.

Welcome to ICSSR Data Service

The “ICSSR Data Service” is culmination of signing of Memorandum of Understanding (MoU) between Indian Council of Social Science Research (ICSSR) and Ministry of Statistics and Programme Implementation (MoSPI). The MoU provides for setting-up of “ICSSR Data Service: Social Science Data Repository” and host NSS and ASI datasets generated by MoSPI. Under the initiative, social science research institutes, NGOs, individuals and others dealing with social science research are also being approached to deposit / provide their research datasets for hosting into the repository of ICSSR Data Service. The ICSSR Data Service includes social science and statistical datasets of various national-level surveys on debt & investment, domestic tourism, enterprise survey, employment and unemployment, housing condition, household consumer expenditure, health care, etc., into its repository.

ICSSR Data Service aims to facilitate data sharing, preservation, accessibility and reuse of social science research data collected from entire social science community in India & abroad. The Information and Library Network (INFLIBNET) Centre, Gandhinagar has been assigned the task of setting up the data repository.
Source of Acquisition of Data

MoSPI
(MoU in Process)

Educational Institutes and Universities

NGOs
Non-Governmental Organizations

Individuals
Researchers, Students, Others

Data Repository
Data Source

Private & Government Organizations

Upload Interface
INFLIBNET’s Institutional Repository
Welcome to Institutional repository of INFLIBNET Centre, here you can find articles published in all conventional proceedings of INFLIBNET Centre. More over you can also look for various training material, press clippings, news letters etc.

IR @ INFLIBNET

- Host the papers published in the INLFIBNET conference
- CALIBER
- PLANNER
- Project Report
- Newsletter Article
- 2000 + full text papers
e-PG Pathshala
- Content hosting
- 23000+ video
- 23000+ e-Text

Vidya-Mitra
- 66000+ Video
- 44500+ e-Text
- Best OER 2018 Global Award

SWAYAM
Prabha
- 34 DTH channel
- Web portal for Archival of tutorial and
- Program schedule

Open Access e-Learning resources

LMS
ePG Pathshala
E-Content for Post Graduate Level Subject
http://epgp.inflibnet.ac.in
E- PG Pathshala: Current Status

Subjects: 70

- E-text: 22,500+
- Video: 22,200+
- Subject Experts: 5,100+
- No. of Papers / Courses: 710+

INFLIBNET administers the project and maintains LMS for e PGP. It is anchor institute for five Subjects including Library and Information Science.
Web portal for programme schedule and archiving videos for 32 channels with SWAYAM-Prabha Management System.

Role & Responsibilities

- **Portal**
- **Hosting of Video content**
- **API for program schedule**
- **Mobile-App / Integration with UMANG**
Open Access / Biographical Database

VIDWAN

IRINS
VIDWAN: Expert Database and National Researcher’s Network

- Technology
- SOLR based search with faceted result

- 1,40,000+ experts
- 13000 organization including academic and R&D organization
- Categorized as per WOS
- Integrated with ORCID for publication update
- Integrated Altmetrics
- Co-author network
Web based Research Information Management System developed under NME-ICT;

it captures scholarly communication artifacts of the **faculty members and scientists**
including Personal Information; Areas of Expertise; Qualification; Experience; Academic Identities; Honour & Awards; Projects; Membership in Profession bodies; Research Guided; Patent; Publications, citations and social media metrics;

IRINS is available as “software as service” for all the Higher Education Institutions and R&D organisation in India;

Phase I – 2019-2021

Phase II – 2021-2026
Data integration with external Sources

- ORCID: Publications
- Altmetric: Social Media Metrics
- Scopus: Publications, Citations
- Dimensions: Social Media Metrics
- Crossref: Citations, Authors & Affiliations
- BASE: Publication Venue
- Google Scholar: Citations Metrics
- scite: Smart Citation
IRINS Data workflow

Personal Information

CV, HR, ORCID ID

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Dr Murugesan A

Profile

Personal Information

CV, HR, ORCID ID

Experience

Academic Identity

ID

Orcid Id

Scopus Id

Researcher Id

Google Scholar Id

Publications

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Dr Murugesan A

Head of the Department

KS Rangasamy College of Technology (Autonomous)

Professor

Mechanical Engineering

KS Rangasamy College of Technology

Assistant Professor

Mechanical Engineering

KS Rangasamy College of Technology

Lecturer - Senior Scale

Mechanical Engineering

KS Rangasamy College of Technology

Lecturer

Mechanical Engineering

KS Rangasamy College of Technology

Publications 2006 - 2022

Namakkal, Tamil Nadu, India - 637215

https://scholar.google.com/citations?user=PBdXhMIEAAAAJ&hl=en

Department of Mechanical Engineering KS Rangasamy College of Technology, KSR Kavi Nagar, Trichy 620020

Kumaravel A

Mylasami G

Venkatesan S

Mohan K

Kanthiramkumar Manickam

Kathiresan Manickam

Mahendran P

Prakash R

Prasath M
IRINS Data workflow

Personal Information
CV, HR, ORCID ID

Publication Information

Dr. Murugesan A
Head of the Department
K S Rangasamy College of Technology (Autonomous)

- Personal Information
- Experience
- Education Qualification
- Honors and Awards
- Membership in Committee
- Research Project
- Patents
- Publications

Academic Identity
ORCID ID
Scopus ID
Researcher ID

Effect of nanoparticles on DI-Ci engine characteristics fueled with biodiesel-diesel blends—A critical review
Mothoo M., Murugesan A., Agugma A.

Enhancement of fuel properties of Manilkara zapota biodiesel blend by doping green-synthesized silver nanoparticles
Mothoo M., Murugesan A., Agugma A.

Chemometric analysis of cow dung ash as an adsorbent for purifying biodiesel from waste cooking oil
Amrith A., Murugesan A.

Bio-diesel - A global scenario
Amrith A., Subramaniam D., Murugesan A.

Chemometric analysis of cow dung ash as an adsorbent for purifying biodiesel from waste cooking oil
Amrith A., Murugesan A.
IRINS Data workflow

01 Personal Information
CV, HR, ORCID ID

02 Publication Information

03 Impact

Profile
- Personal Information
- Experience Information
- Experience
- Education Qualification
- Honors and Awards
- Doctoral Theses
- Professional Bodies
- Membership in Committee
- Research Project

Profile
- Patents
- Publications

Personal Information
Dr Murugesan A
- Head of the Department
  K.S. Rangasamy College of Technology (Autonomous)

Experience
2021 - Present
- Head of the Department
  K.S. Rangasamy College of Technology (Autonomous)

2000 - 2001
- Mechanical Engineering
  K.S. Rangasamy College of Technology (Autonomous)

2004 - 2005
- Assistant Professor
  Mechanical Engineering
  K.S. Rangasamy College of Technology

2003 - 2004
- Lecturer - Senior Scale
  Mechanical Engineering
  K.S. Rangasamy College of Technology

1996 - 2003
- Lecturer
  K.S. Rangasamy College of Technology

Impact

Publications

Bio-diesel - A global scenario
Anurah A., Subramanian D., Murugesan A.
Renewable and Sustainable Energy Reviews, Volume 29, Year 2014, Pages 414-427
DOI: 10.1016/j.rser.2013.09.007

Chemometric analysis of cow dung ash as an adsorbent for purifying biodiesel from waste cooking oil
Anurah A., Murugesan A.
Energy Conversion and Management, Volume 76, Year 2014, Pages 160-169
DOI: 10.1016/j.enconman.2013.12.041

Experimental Investigation on Performance and Emission Characteristics of Lima Treated and Preheated Biodiesels
Murugesan A., Anurah A., Subramanian D.
Renewable and Sustainable Energy Reviews, Volume 17, Year 2014, Pages 107-112
DOI: 10.1016/j.rser.2013.05.057

A comprehensive survey of flexible manufacturing system scheduling using petri nets
Sukumaran T., Jayachandran T., Abraham A., Murugesan A.
Advanced Manufacturing Research, Volume 964-965, Year 2016, Pages 188-193
DOI: 10.1016/j.adma.2016.04.004
Key Features and Functionalities

Dashboard:
- Manage profiles
- Import profile information
- Generate report

Academic Identity:
- Integrated with Academic Identity to systematic update of publications.

Citation:
- Citation from Scopus, CrossRef
- Publication venue from Crossref
- OA articles link from BASE Search
- Citations from Dimensions

Search:
- SOLR based faceted search with number of filters to find an expert

Analytics:
- Research progress of the faculty, department, institute (publication)

Network:
- Co-author network based on publication collaboration

Social Media Metrics:
- Social media metrics from Altmetric

Link to IR:
- Full text Article link to Institutional repository & domain specific repository
Achievements and Impact

- Setup a national level searchable subject mater expert database to showcase the research activities and provide platform to share and discover scholarly communication activities. (28 States & 4 Union Territories)

614 Institutes

93,607 (140,370) Faculty Members

1.9 million Publications

16.6 million Citations

27.41% degree awarding institutes

614 instances- India is number one in terms of number of institutes using Current Research Information System

66% of India’s scholarly publications accumulated

110 crore cost saving per year
has students from all 50 states, Washington, D.C., and 172 countries.

INFLIBNET
Research Institute | India

The Information and Library Network (INFLIBNET) Centre, set up in May 1996, is an autonomous Inter-University Centre (IUC) of the University Grants Commission (UGC), Ministry of Education (MoE), Government of India, located at Infocity, Gandhinagar, Gujarat (INDIA). Major activities and services of the Centre are geared toward the modernization of academic libraries and information centres, to promote information transfer and access, and to support scholarship, learning and academic pursuits. The Centre acts as a nodal agency for networking of libraries and information centres in universities, institutions of higher learning and R&D institutions in India.

InfoEd
Repository/Profile Org | United States

Founded in 1991, InfoEd Global provides software that empowers institutions with world-class tools for managing research. Our flexible, configurable software suite includes an array of modules to support research administration: government-, foundation-, and corporate-sponsored funding opportunities; pre- and post-award grants and contracts;
ORCID Integration & Publication Import

- Import
- Update

**BibTeX**

- Use BibTeX file to import publications.
- Maintain the uniformity in the author name and separate the author by (, or , or and) to generate co-author network.
- Submit, Cancel

**CSV format**

- Use CSV file to import publications.
- Maintain the uniformity in the author name and separate the author by (, or , or and) to generate co-author network.
- Submit, Cancel
THANKS !!!

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