Welcome to Session on Library Resources & Services at IIT Gandhinagar!
“Library is the heart of the University” Charles W. Eliot

“A university is just a group of buildings gathered around a library” Shelby Foote

“What a University thinks about its library is a measure of what it feels about education.” Harold Howe
What will be covered

- Library resources & services
- Citation & reference styles
- Citation & reference management software/tools
- Staying updated
- Plagiarism- how to avoid it
- Some resources to read
About the Library

- Serves as **Centre place** for library & information services
- Serves as an **innovative partner** in teaching, learning and research activities
- Responsible for acquisition, processing, organizing & providing access to **high quality scholarly information resources** both in **print & digital form**
- **Contributes** (directly & indirectly) to the achievement of Institute’s mission
Previous Location
Operational Divisions of Library

- Information Resource Acquisition & Technical Processing
- Information Resource Access & Users Services
- Information Technology Management & Scholarly Communication
Membership

Internal Membership

- Institute ID card holders (Faculty, Students, Staff & Project Staff)

External Membership

- Family of IITGN Community (Spouse, Children & Parents)
- Alumni Association (Registered Students)

Academic Membership (Educational Institute & Govt. organization)

Corporate Membership

Individual Membership (Faculty, Research Scholar)
Academic Institutions & Government Departments

Membership Fee
- Admission fee (one time) = Rs. 2,000/-
- Membership fee with borrowing facility (per annum) = Rs. 10,000/-
- Library Deposit (Refundable) for borrowing facility = Rs. 6,000/-

Services Offered
- Borrowing of 4 books for 30 days those who have the membership with borrowing facility.
- Reference, Referral and Information Service
- Consult library resources & guidance within the premises of library.
- Bibliographic search assistance on topics of interest.
- Photocopying & articles printing services will available at prevailing cost (i.e. Rs. 2/- per page + actual postage/courier charges).
- Any other assistance & guidance required in getting required information
Individual Membership (Academicians & Researchers)

- **Membership fee**
  - Admission fee (one time) = **Rs. 1,000/-**
  - Library Deposit (Refundable) for borrowing facility = **Rs. 3,000/-**

- **Borrowing privileges**
  - Borrowing of 2 books for 30 days those who have the membership with borrowing facility.
  - Reference, Referral and Information Service
  - Photocopying & articles printing services will available at prevailing cost (i.e Rs. 2/-per page + actual postage/courier charges).
  - Bibliographic search assistance on topics of interest.
  - Current Awareness Services such as recent additions list, selected journals Table of Content Service etc.
  - Literature Survey on specific research topic.
  - Any other assistance & guidance required in getting required information
Opening Hours

- **During Academic Session**
  - **Opening Hours**
    - Monday – Friday
      9:00 am - 02:00 am
    - Saturday, Sunday & Holiday
      9:00 am - 10:00 pm
  - **Issue & Return Hours**
    Monday-Saturday
    9:00 am - 8:00 pm
  - **Vacation Period**
    - **Opening Hours**
      9:00 am - 9:00 pm (all days)
    - **Issue & Return**
      9:00 am - 8:00 pm (Mon-Sat)
    - **No issue and return transactions on Sunday**
    - **Library remains closed on three national holidays & Diwali & Dusshera**
Resources at Glance

- Books – 23000+
- Reference Books (R)
- Course Readings
  - Course Reserve Collection (CR)
  - Short Loan Collection (SL)
- Children Books- 900+
- Journals, Magazines and Newspapers - 150+
- Theses & Dissertations - 90+
- Technical reports – 500+
- Digital Resources
  - CD, DVD, VCDs, etc. – 1300+
- Online Resource Collection - 60+
  - E-journals- 13000 +
- Open Access E-Resources
Bibliographic Databases

- ACM Computing Review
- MathSciNet
- Scopus
- J-Gate
- indiastat.com
- WEB OF SCIENCE™
- ISID
- SciFinder®
Full Text E-Resources: Multidisciplinary
Full Text E-Resources: Science
Full Text E-Resources: Hum. & Social Science

[Logos of various publishers and resources]
Others: Single Titles
Others: Single Individual Titles
Open Access E-Resources (Free)

- **Video Courses**: NPTEL
- **Journals**: Directory of Open Access Journals
- **Books**: DOAB, Google Books, Hathi Trust, HighWire, Project Gutenberg, Digital Library of India
- **Theses**: Shodhganga, NDLTD & many other
- **Search Engines**: Google Scholar, Microsoft Academic Search Live, JURN, ChemSpider, BASE: Bielefeld Academic Search Engine, CORE: Connecting Repositories, OAISTERT
- **Library Catalogue**: IndCat, WorldCat, Trove, COPAC etc.
- **E-Prints**: arXiv.org, CogPrints, ChemXSeer, SSRN, RePEc
- **Many other scholarly sources**
Access Policy for E-Resources

- **Who can access e-resources?**
  - Faculty, students, staff & others directly associated with IITGN

- **How to access?**
  - IP based access on Campus & Some require login ID & Password
  - Remote access (off campus access available)

- **Copyright / License Agreement**
  - Copyright regulations apply same way as printed books & journals
  - Electronic journals & databases access is based on license agreements with publishers / vendors.

- **What's not permitted?**
  - Systematic downloading, sharing with outside users, using any software to download entire database, creating your collection of entire, using it for commercial purpose
Services offered

- Circulation services
- Reference & Information Services
- Current Awareness/Alert Services
- Inter Library Loan
- Document Delivery Service
- Information Literacy Sessions
  - Orientation
  - Special sessions- presentation-cum- demo
    - Scopus, Mendeley, SciFinder, ChemSpider, IEEEXplore, Turnitin
  - Focused group sessions
    - Research Scholars- Civil & Mechanical
Services offered

- Literature survey & literature search services
- Compilation of bibliographies on specific topics
- Library memberships- BCL & American Library
- Facilitating other library reference
- Creating Subject Resource Guides
- Managing scholarly publications- Digital Repository
- Scholarly communication support
- Research funding sources
- Building virtual collection- cataloguing internet resources
- Developing academic archives
IT Infrastructure

- Automated system for in-house operations – Koha- Open Source Software
- Good number of computers for accessing library resources
- Library Website- Drupal
- Digital Repository - DSpace
- Subject Resource Guides- SubjectPlus
- Wi-Fi facility
- High-speed connectivity to Internet- NKN
- Photocopier machines
- Scanners & Printers
- Remote Access (RemoteXS)
- E-resource Management System
Building partnership & Interaction

- Developing collection in your area of research
- Designing new services
- Holding training sessions & workshops
- Helping in getting feedback & improving services
- Increasing use of library resources & services
- Creating subject resource guides in your disciplines
- Integrating library resources in to course
- Teaching Assistantship
- Planning for the library services on new campus
- Seek your IT expertise & assistance
- Any other way that you can help us
Plans for immediate future

- Implementing RFID system - self check-out & return
- Providing Remote Access to E-Resources - RemoteX
- Web Scale Discovery Services - one point access
- Redesigning library website
- Introducing e-books collections & e-readers
- More sessions on finding, managing & using information
- Initiating virtual reference service
- Service on social network platforms
- Research data management services & many more...
Latest at IITGN

Events @ IITGN
- Convocation - 2015, August 01, 2015
- Tech/Teach postponed, new schedule will be communicated shortly
- Short Term Course cum Workshop on History, Science and Technology of Stone Beads, August 10-14, 2015
- More events

Campus News
- Ultrathin Nano-sheets Developed by IITGN
- 60 Poor Students get IITGN Boost
- IITGN Grooms Health Researchers
- IITGN Developing Low-Cost Devices for Autistic Children
- Sudhir Jain: Building an Institution
- Programme for ‘Equitable World’ at IITGN
- Premier League
- Making Their Own Music
- IITGN to Launch Centre for Sustainable Development
- IITGN Designs New Barricades for Cops
- Latest Fellowship Sends IITGN Students on a 6-State Trip
- IITGN’s App to Show Frenzied the Way
- IITGN Holds Talk on Efficiency of Solar Cells
- IITGN Foundation Appoints First Executive Director

PROJECT ORIENTED LEARNING

Our students have undertaken innovative community and commercial projects both inside and outside the classroom, from teaching science to students at a neighborhood school to developing a digital walking stick for the blind.

ADMISSIONS

B.Tech 2015 Offer Letter
Prospective Students

QUICK LINKS:
- Permanent Campus Schedule
- Register for EOF Document
- The Campus on the Sabarmati
- Faculty Recruitment
- International Students
- Central Library
- Career Development Services
- IITGN Counseling Service
- Webmail
- Waste Management
- Subscribe to IITGN Newsletters
- Tenders/Auctions
- RTI
Library

The Central Library of IIT-Gandhinagar supports the main objective of the institute to become a world class institution in Engineering, Sciences and Humanities & Social Sciences.

The library has a rich collection of books on Electrical Engineering, Chemical Engineering, Computer Science, Mechanical Engineering, Chemistry, Physics, Mathematics, and Humanities & Social Sciences. The collection includes reference books, text books, CDs etc. We are constantly in a process of increasing our collection of books further.

IIT-Gandhinagar library has also started subscribing to research Journals in electronic as well as printed formats. E-Journals available with various reputed online scientific databases such as American Chemical Society, American Physical Society, American Mathematical Society, Annual Reviews, ASME, IEEE, JETOR, MathSciNet, Nature, Science-Direct and SpringerLink and can be accessed.
Welcome to the Digital Repository at Indian Institute of Technology Gandhinagar!

This Digital Repository is an Institutional Repository of IIT Gandhinagar which is responsible for collecting, organizing, preserving and providing access to, and promoting dissemination of the intellectual (scholarly) output of IIT Gandhinagar faculty, students, staff and others associated with the Institute. This Digital Repository serves as a platform to faculty, researchers, students and staff members of the Institute to share their research work with wider community.

Digital Repository accepts documents viz., journal articles, conference papers, book chapters, working/technical papers, reports, theses and dissertations, presentations and any other resources submitted as part of academic requirement at the Institute and other forms of scholarly documents. Wherever possible and available, we will make an effort to provide access to the full-text of the documents covered in the digital repository, without violating copyrights/rights of the author or publisher, as relevant to each work.

Please feel free to write to us, if you want to know more about this service or have any questions with regard to depositing your documents or accessing deposited documents.

Email: digitalrepository@iitgn.ac.in

Disciplines & Communities

Select a community to browse its collections.

- Archaeological Sciences (Centre)
- Biological Engineering
- Biomedical Engineering (Centre)
- Chemical Engineering
- Chemistry
Welcome to Resource Guides!

The Resource Guides listed here link you to the quality resources available in the library and on the Web. These have been created and updated by the library staff. Resources covered include both print and electronic, subscribed and freely available on the web. We hope you will find the resources listed here useful to you in support of your academic, research and professional work.

If you need assistance in searching & making use of these resources, please do write to us: librarian@iitgn.ac.in

List of Subjects & Resources

- Archaeological Science
- Civil Engineering
- Cognitive Science
- Electronic Thesis and Dissertation (ETD’s) Resources
- Open Access Resources

Search/Find Resources

Quick Search

Go

New Subject/Resource Guides

- Electronic Thesis and Dissertation (ETD’s) Resources
- Open Access Resources
- Civil Engineering
- Cognitive Science
- Archaeological Science

Library Links

- Library
- Online Catalogue
- A to Z Resources
- Digital Resources
- Digital Repository
- IITGN Publications
Welcome to Subject Resource Guide on Archaeological Science!

This resource guide serves as a gateway to scholarly resources in the area of Archaeological Science. Resources listed here include those that are accessible through our library and also on the web. It enables you to access from one point, the resources such as books, print and e-journals, popular magazines, databases, theses and dissertations and other web-based resources. This guide by no means is a comprehensive list, but serves as a useful starting point. We strive to add newer resources and keep the entire range of resource lists updated from time to time.

We request your active participation in making this resource guide as most useful starting point for scholarly resources in the discipline and request for your comments and suggestions.

IIT Gandhinagar Library WebOPAC

Title  Textual Document  Search

Contains  Exact  Begins with  Ends with  Record Per Page 10

Archaeological Sites (Selected)

Major Archaeological Sites

All Items by Source

A-Z LIST OF E-JOURNALS  Electronic Journals

PROFESSIONAL BODIES  XAMPP Co.
Welcome to Subject Resource Guide on Civil Engineering!

This resource guide serves as a gateway to scholarly resources in the area of Civil Engineering and related subjects. Resources listed here include those that are accessible through our library and also on the web. It enables you to access from one point, the resources such as books, print and e-journals, popular magazines, databases, theses, and dissertations and other web-based resources. This guide by no means is a comprehensive list but serves as a useful starting point. We strive to add newer resources and keep the entire range of resource lists updated from time to time.

We request your active participation in making this resource guide as most useful starting point for scholarly resources in the discipline and request for your comments and suggestions.
Welcome to Subject Resource Guide on Cognitive Science!

This resource guide serves as a window to scholarly resources in the area of Cognitive Science. Resources listed here include those that are accessible through our library and also on the web. It enables you to access from one point, the resources such as books, print and e-journals, popular magazines, databases, theses and dissertations, and other web-based resources. This guide by no means is a comprehensive list, but serves as a useful starting point. We strive to add newer resources and keep the entire range of resource lists updated from time to time.

We request your active participation in making this resource guide as most useful starting point for scholarly resources in the discipline and request for your comments and suggestions.
Welcome to Subject Resource Guide on Electronic Theses & Dissertations (ETD)

This resource guide serves as gateway to various (bibliographic and full text) resources on Electronic Theses & Dissertations. Resources listed here include those that are accessible through our library and also on the web. It enable you to access from one point a large number of institutional, national and international resources on theses and dissertations submitted to various universities. This guide by no means is a comprehensive list, but serves as a useful starting point. We strive to add newer resources and keep the entire range of resource lists updated from time to time.

We request your active participation in making this resource guide as most useful starting point for scholarly resources in the area of theses and dissertations and request for your comments and suggestions.
Open Access Resources

Library Contact

LIBRARY
Indian Institute of Technology Gandhinagar
V GEC Campus, Chandkheda
Ahmedabad 382 424 | Gujarat | INDIA
Tel: +91-79-32454368 | 09328474224
Email: librarian@iitgn.ac.in & library.services@iitgn.ac.in

About Open Access Resource

Open Access is the context of research or scholarly literature that can be freely accessed by anyone via the internet. OA literature are available in digital online and free of charge and permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles.

Library Web OPAC

Title

Textual Document

Search

Contains Exact Begins with Ends with Record Per Page 10

What is Open Access?

Open Access (OA) literature is digital, online, free of charge, and free of most copyright and licensing restrictions.
Open access is information that is: [Cite: Suber, Peter. (2004). Open Access Overview]

Free to read
Unrestricted
Online

Open Access (OA) is the practice of providing unrestricted access via the Internet to peer-reviewed scholarly research. It is
Pathfinders (Bibliographies)

In order to promote the usage and to create awareness among the Institute user community, Pathfinders - bibliography listing various resources available in the library on different topics are compiled and hosted on library website. Some such Pathfinders compiled so far are placed below.
List of Books on

Research Methods

(Available in the Library)

Compiled
By
LIBRARY

Indian Institute of Technology Gandhinagar
(List of books available in the Library)

Compiled
By
LIBRARY
Indian Institute of Technology Gandhinagar
Union Catalogue of E-Resources

An online database of e-journal collections available at IIT, IISc and IISER Libraries in India

Search eResources

Search  Show all Titles
Institutional Membership

- Professional Societies
  - American Concrete Institute, American Mathematical Society, Euro Graphics, FIB, Indian Academy of Sciences, IABSE, IATUL, NICEE, SIAM

- Library Networks & Consortia
  - DELNET- Developing Library Network
  - INFLIBNET e-resource consortium
  - ShodhSindhu- MHRD & INFLIBNET supported

- Libraries
  - American Library, Mumbai
  - British Library, Ahmedabad
Library Communications

- Through Institute email
- Library Website
- Bulletin Boards in the Library
- Suggestion Box
- Ask A Librarian!
- Email us:
  - General: librarian@iitgn.ac.in
  - Library Acquisition: libraryacquisition@iitgn.ac.in
  - Library Circulation: librarycirculation@iitgn.ac.in
  - Library Services: libraryservices@iitgn.ac.in

- Tel: 09328474224, 32454368
Reference & Citation Styles
Reference & Citation Styles

- Set of rules, guidelines, standards, best practices
- Bring uniformity in style & formatting of documents
- Set of rules- spelling, italics, punctuation, spacing, headings
- Styles are established by convention & group use
- Frequently revised to accommodate new changes
- Mandatory to follow while writing documents
Types of Citation & Reference Styles

- ACS Style Guide
- AIP Style Manual for Guidance in the Preparation of Papers
- APA Style Manual
- Chicago Manual of Style
- Harvard style
- IEEE standards Style Manual
- MLA Style
- Turabian
- Many others…
Reference and Citation Style Guides

Providing references and citations is an important and essential part of any type of academic writing. The main purpose is to acknowledge the original source of ideas and work that is not the author's own, and to direct the readers to the original sources of information. Whenever you use sources such as books, journals, research papers, web sites, e-resources and others in the writings, one must give credit to the original author by properly citing the sources.

There are a number of different reference and citation styles available. Styles are basically well established practices and conventions. Depending on the discipline in which one is working and also the widely used style in the respective discipline, one can decide to select and use a particular style.

Following links provide the list of varieties of styles and also the guidelines for using. If you have any questions or need guidance is using, please contact the library staff at librarian@iitgn.ac.in

1. AAA Style (American Anthropological Association)
2. ACS Style (American Chemical Society)
3. AIP Style (American Institute of Physics)
4. American Antiquity Style-Society for American Archaeology
5. AMS Style (American Mathematical Society)
6. AP Style (Associated Press Style)
7. APA Style (American Psychological Association)
8. APSA Style (American Political Science Association)
9. ASA Style (American Sociological Association)
10. ASABE Citation Style (American Society of Agricultural and Biological Engineers)
11. ASME Citation Style (American Society of Mechanical Engineers)
Websites (examples)

**APA Style**
- Official Website
  http://www.apastyle.org/
- Examples

**IEEE Style**
- Official Website
- Examples
- Reference & citation styles (examples)
  http://www.iitgn.ac.in/citation-style.htm
Reference/Citation Management
Software Tools
Citations, references, bib. - fundamental to a good research
They serve as foundation of scholarship
Collecting, organizing, using references is a tedious job
It is most complicated aspect of being a researcher
Producing bibliography was time consuming
Effective managing of these references is very important
Reference/Citation Management Software...

- RM Tools are essential for effective managing references
- Good number of reference management software exists
- Number of citation styles also exist
- RM resemble managing personal digital library
- Which one to use & how to select
- Some are widely used among S&T community
Broad Features & Functions of RMJs...

- Importing/exporting of citations from databases & websites
- Gather metadata from PDF files/websites
- Offer data storage options
- Adhere to standard formats- RIS & BibTex
- Organization of citations within the RM database
- Adding notes & annotations to citations
- Searching & sorting within the database
Broad Features & Functions of RM\s

- Sharing of RM database in full or part
- Data interchange/migration with other RMs
- Producing formatted citations/bibliographies
- Integration with Word Processing software for in-text-citations
- Linking with full text- using link resolver technology
- Available- Open source/free/ fee based
- Different levels-Individual/institutions/web 2.0 versions
Selected & Most Popular RM Tools

- EndNote
  - http://endnote.com/
- RefWorks
- Mendeley
  - https://www.mendeley.com/
- Papers
  - http://papersapp.com/
- Zotero
  - https://www.zotero.org/
- Many others- JabRef, WebNotes…
What is important to you?

- Cost
- Format the occasional paper
- Open Source
- Manage documents
- Collaboration
- Social media

Online
Desktop
iPad
What do you want to do?

- What programs are your colleagues using? For example, if fellow researchers are all using Zotero to share citations, you might consider Zotero so that you can share your research, too.

- Use what you like! There is no one perfect program, so use what you are comfortable with.

- You can use more than one software. Records can be transferred from one program to another, so do not feel limited to choosing only one.
EndNote

- Oldest one & most popular for desktop owned by Thomson Reuters
- Small edition, desktop & web edition available
- Heavily used by S&T community
- Compatible with Win & Mac
- Has all major features & functionalities
- Extracts metadata from PDF files
- Search across PDF
- Has cite as you write feature
- Link resolver integrated
- Can handle large collections of citations
- Many library databases offer a direct export option for EndNote
Find, use and share research with EndNote

It's for more than bibliographies. Sync your EndNote library across your desktop, iPad and online. Work on your research from anywhere.

Buy EndNote  Try EndNote for free

Ask about group pricing options ➔
RefWorks

- First came in 2001 now owned by ProQuest
- Available Desktop/Web based versions
- Available on all platforms & Compatible with other RM
- Has
  - Bookmarklet, RefShare, File attachment, Write-N-Cite, Customization, link resolver
- Subscription based - individual & institutions
- Institution accounts provide more feature & options
- Many library databases offer a direct export option for RefWorks
- Small learning curve
- Not very good for managing PDFs
- Interface seems out-of-date
- Flow and RefWorks 3
RefWorks

Fast Facts
Integrated across the workflow
Comprehensive citation management
Powerful collaboration

Intended For
Academic  Government
Corporate

Get Started
CONTACT US

Explore:  What's New  New RefWorks Benefits and Features  Connect  Resources
RefWorks Flow

ProQuest Flow

- All Documents
- Recent
- Sharing
- Cancer and pain
- Dementia
- Wine Research
- Nanotechnology

More

Share collection...

- Share this collection with other people
- Create bibliography...
- Export references...
- Find duplicates
- Custom citation styles
Mendeley

- By a new start-up company Mendeley -2008
- Basic version Free - with an option to upgrade at cost
- Offers both desktop & web version but more than that, it is a community of researcher
- Compatible across platforms, Copy and paste feature, Extracts website data
- Great at managing PDFs can view & annotate directly in Mendeley
- Dashboard for collaboration & to watch research trends
- Cite as you write or use drag & drop, Generate individual statistics
- Ability to mark paper as read & unread
- Now owned by Elsevier - terrible reputation for supporting open research
- You can search through the millions of papers it contains from other Mendeley users, share your references and papers with collaborators, join public discussion groups, and discover other researchers in your field.
Your research, anywhere.
For students and researchers

Mendeley is a free reference manager and academic social network. Make your own fully-searchable library in seconds, cite as you write, and read and annotate your PDFs on any device.

Create a free account

Download for free on: Mac  Windows  Android
Papers

- Began as Mac software
- Best interface for both Mac and Windows
- Automatically downloads and organizes documents as they are viewed
- Includes built-in search and discovery tools
- Allows annotation of PDFs
- iOS app available for reading on the go
- Includes a slick, light-weight citation manager
- Works well with Google Docs
- Owned by Springer Nature Company
Papers

Your personal library of research

Papers helps you collect and curate the research material that you’re passionate about.

This award winning reference manager will improve the way you find, organize, read, cite and share.
Zotero

- By Librarians from Centre for History & New Media, George Mason University, in 2006
- Free (Open Source), charges for data storage
- Web and browser-based citation tool
- Plug in for Firefox browser
- Works best with Firefox, though standalone versions are available for use with Safari and Chrome.
- Best for extracting metadata from websites & Extracts metadata from PDF files
- Sharing, link resolving, cite as you write etc
- Free up to 300 MB of storage
- Automatically imports PDFs when possible
- Works well with non-traditional electronic sources
- Good for collaboration, especially at different institutions
Zotero [zoh-TAIR-oh] is a free, easy-to-use tool to help you collect, organize, cite, and share your research sources.

Download Now
Available for Mac, Windows, and Linux

Grab your research with a single click.

A personal research assistant.

Zotero is the only research tool that automatically senses content in your web browser, allowing you to add it to your personal library with a single click. Whether you’re searching for a preprint on arXiv.org, a journal article from JSTOR, a news story from the New York Times, or a book from your university library catalog, Zotero has you covered with support for thousands of sites.

Store anything.
Zotero collects all your research in a single, searchable interface. You can add PDFs, images, audio and video files, snapshots of web pages, and really anything else. Zotero automatically indexes the full-text...
For more details about Zotero

- https://www.zotero.org/
- https://www.zotero.org/support/installation
- https://www.zotero.org/support/quick_start_guide
- https://www.zotero.org/support/screencast_tutorials
- http://libguides.mit.edu/references

Comparison

https://www.library.wisc.edu/services/citation-managers/comparison-chart/

https://www.imperial.ac.uk/media/imperial-college/administration-and-support-services/library/public/Reference_management_software_comparison.pdf
Sources for Staying Current
Sources for Staying Current

- Journal TOC Service
- Database Alert services - Scopus
- Google Scholar Alerts

- Journals Publisher websites
  - IEEE Journals
  - ACM Journals
  - ScienceDirect
  - SpringerLink & others

- Many other sources
Finding right journal to publish- some criteria

- **Subject area(s) covered by the journal** (particularly when the research is cross-discipline)
- **Types of articles published** (original research, review, case study)
- **Reputation of the journal** (editorial, impact factor, size of readership/open access, peer review, quality of accepted articles and authors, indexing level)
- **Audience** of journal
- **Time to publication**
- **Others**: Language, cost & appearance, Copyright restrictions, Fee for publications, Subscription by your library
Sources to check

- Web of Science Sources
  http://ip-science.thomsonreuters.com/mjl/
- JCR - Journal Citation Reports from Thomson's InCites
- Scopus Sources
- Elsevier's ScImago Journal & country rank
  http://www.scimagojr.com/journalrank.php?country=IN
- Directory of Open Access Journals (DOAJ)
  http://doaj.org/
- Potential, possible, or probable predatory scholarly open-access publishers (avoid these publisher titles)
  http://scholarlyoa.com/publishers/
- SHERPA/RoMEO - Journals' and Publishers' Open Access Policies
- SHERPA/JULIET - Research funders' open access policies
  http://www.sherpa.ac.uk/
Plagiarism? Avoid it
What is Plagiarism?

Merriam-Webster Dictionary

- “to use the words or ideas of another person as if they were your own words or ideas
- to steal & pass off (ideas or words of another) as one's own
- to use (another's production) without crediting source
- to commit literary theft
- to present as new & original an idea or product derived from an existing source”

http://www.merriam-webster.com/dictionary/plagiarize
How to Avoid Plagiarism?

- Effective management of time
- Developing good research skills
Effective management of time

- Every task has timeline, due date, deadline
- Note these dates & allocate time & follow schedule accordingly
  - Collecting information
  - Reading & taking notes
  - Drawing an outline
  - Preparing rough draft
  - Final draft
  - Extra time for last minute changes
Developing Good Research Skills...

- Follow instructions from your course instructor
- Use library & web-based resources
- Identify scholarly resources
- Search for information from these sources
- Evaluate & select right source of information
- Organize collected information sources
- Read & take proper notes of content & source
- Use right tools- databases, citation style & software
- Seek assistance from library staff
Developing good research skills...

- Take good notes
  - Note what ideas & language extracted from source
  - Note source(s) as you are taking notes
  - Indicate in your notes which ideas are taken from sources (S) and
  - Indicate which are your own insights, thoughts, ideas (ME)
- Write in your own words & ideas
- Give credit to sources wherever consulted/used
- Give credit using in-text citations
- Include sources in your references
- Follow style guides- APA, MLA, IEEE
- Avoid using someone else’s work with minor ‘cosmetic’ changes
- Be careful copying & pasting from online/electronic sources
Developing good research skills

Use Major Strategies

- Quoting
- Paraphrasing
- Summarizing
- Using content in Common knowledge/domain
Plagiarism Detection Software

Commercial


Free tools

- DupliChecker
- PaperRater
- Plagiarism Check
- Plagiarism Detector
- Viper
Some interesting books
Books on Education - Teaching, Learning & Research
Education (Science, Engineering & Technology) Journals

- Advances in Engineering Education
- Bioscience Education
- Chemical Engineering Education
- Chemistry Education Research and Practice
- Current Issues in Education
- Education for Chemical Engineers
- Education in Chemistry
- Educational Studies in Mathematics
- Higher Education
- IEEE Transactions on Education
- Innovative Higher Education
- International Journal of Environmental and Science Education
- International Journal of Management Education
- International Journal of Science and Mathematics Education
- International Journal of Technology and Design Education
- Journal of Chemical Education
- Journal of Computing in Higher Education
- Journal of Mathematics Teacher Education
- Journal of Professional Issues in Engineering Education and Practice
- Journal of Science Education and Technology
- Journal of Technology Education
- Mathematics Education Research Journal
- Research in Higher Education
- Research in Science Education
- Science and Education
Some papers to read

  http://www.nature.com/news/how-to-tame-the-flood-of-literature-1.15806

  http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=736875&quryTe xt%3DPERFORMING+A+LITERATURE+REVIEW

  http://www.nature.com/news/the-top-100-papers-1.16224

Engineering Educators Must Evolve, Too!

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Foremost papers are thought-provoking opinion pieces or essays focused on, sometimes controversial academic, or civil engineering topics of general interest and relevance to the readership of the journal. The views expressed in this Penman article do necessarily reflect the views of ASCE or the Journal.

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There is no need to study Darwin’s theory of evolution the notion that complex systems evolve and2 acquire constantly over time. By simply observing the accumulated wisdom of nature, it is a result. The computing tools evolved from the early calculators to the mainframe supercomputer to the laptop computer. Books have been made of paper clay tablets (1585 B.C.) (3400 BC) to hardwoods (A.D. 1496) to pocket books (1975) to tablets (2014). And all of it is now accessible.

Philosophy of Engineering: What It Is and Why It Matters

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Papers on Engineering Philosophy Committee shows that there is a need to engage engineers that have a background in engineering education, mathematics, and philosophy. Consequently, if this paper ultimately leads to more papers on the topic, that is a good thing. The most common theme will be the importance of the role of engineering education in developing engineers who can think critically, make ethical decisions, and have a deeper understanding of the complexity of engineering problems. The following discussion engineering philosophy into a science is consistent with the basic practitioners begin with the basic principles of engineering. While


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QUESTIONS AND CLARIFICATIONS?
THANK YOU!

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We Look Forward to Assisting You