	Shri Manibhai Virani and Smt. Navalben Virani Science College An Autonomous college affiliated to Saurashtra University, Rajkot	NAAC - Cycle-3
		Criterion- V
		Metric - 5.1.3

5.1.3	5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. Awareness of trends in technology
--------------	---

SEMESTER - I

DSC-Allied Skill 2: Office Automation Tools	03 hrs/wk	3 Credits
--	------------------	------------------

Unit -1 Introduction to MS Word

(08 hrs)

- Introduction to word
- The word window
- Create a new document
- Save, open and print document
- Editing document
- Formatting a Document
- Insert elements to word document
 - Insert and delete page break
 - Insert page numbers
 - Insert symbols
 - Insert Shapes, Clip art
 - Insert picture, resize and reposition a picture
- Changing Layout of document
 - Adjust page margin & page size
 - Change page orientation
 - Set and change indention
 - Insert and clear tabs
- Working with Tables
 - Insert a table
 - Navigate and select text in a table
 - Resize parts of a table
 - Align text in a table
 - Format a table
 - Insert and delete columns and rows
 - Borders and shading
 - Merge table cells
- Mail Merge
- Spelling and grammar check
- Auto correct



Unit -2 Internet

(08 hrs)

- Introduction to Internet
 - What is Internet?
 - Use of Internet?
- Applications of Internet
 - World wide web(web page, web site, web client and web server)
 - Web browsers
 - Search engines
 - Email
 - Blogs and forums
 - Social media and chatting
 - Bookmarks
- Internet Search
 - Basic search
 - Tips and Tricks for search
- How to download and upload?

Unit – 3 Spread Sheet Using MS Excel

(08 hrs)

- Sheet Introduction
- Selecting row, column, cell
- Inserting and deleting row, column, cell
- Hide & unhide row & column
- Changing height and width of row and column
- Print Preview and Page Layout
- Formula bar
- Cell Referencing - Relative, Absolute, Mixed
- Useful functions from Function Library

Unit – 4 Spread Sheet Using MS Excel

(08 hrs)

- What if Analysis
- Calculative Examples like salary sheet, mark sheet etc.
- Conditional formatting
- Data sorting and Filter
- Types of different chart & editing charts

Unit – 5 Presentation Using MS Power Point

(08 hrs)

- Inserting new slide
- Different layout of slide
- Inserting date, slide number, movie, sound, object, header and footer
- Designing slide
- Theme and background



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- Custom animation
- Slide transition
- Rehearse timings, Slide show, Setup slide show
- Hide slide, Different views of slide
- Use of slide master
- Printing handout, slide, etc

Reference Books

1. *Pc Software For Windows Made Simple* - R.K. Taxali



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Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot

Program Name : B.Voc. Chemical Technology SEM-I

Sr.No.	Enrollment No	Student Name
1	17BCT001	Andipara Paras Manharlal
2	17BCT002	Barasara Dharmik Sureshbhai
3	17BCT003	Beradiya Prashant Tulshibhai
4	17BCT004	Borad Gautam Arvindbhai
5	17BCT005	Chad Ranchhod Bhimjibhai
6	17BCT006	Chudasama Arvind Rajabhai
7	17BCT007	Chudasama Mahendrasinh Hemantsinh
8	17BCT008	Dhaduk Abhijit Laljibhai
9	17BCT009	Dhaduk Hemanshu Mukeshbhai
10	17BCT010	Dhanani Darshitkumar Dipakbhai
11	17BCT011	Dholariya Nirav Ashokbhai
12	17BCT012	Dobariya Jenish Rajeshbhai
13	17BCT013	Ghediya Hardik Vinodbhai
14	17BCT014	Goswami Ashish Hareshbharthi
15	17BCT015	Hirapara Dhruvik Ashvinbhai
16	17BCT016	Jadav Ajay Naranbhai
17	17BCT017	Karangiya Uday Devayat
18	17BCT019	Limbasiya Parag Mansukhbhai
19	17BCT020	Nakum Rajesh Narotam
20	17BCT021	Odedara Ramde Chhaganbhai
21	17BCT022	Panseriya Kevin Amitbhai
22	17BCT023	Parmar Sumit Govindbhai
23	17BCT024	Patel Yuvraj Amol
24	17BCT025	Savaliya Nirmal Dipakbhai
25	17BCT026	Savjiyani Fenil Hiteshbhai
26	17BCT027	Shiroya Harshit Pravinbhai
27	17BCT028	Shukla Shyam Jaydevbhai
28	17BCT029	Sisodiya Kishorbhai Vejanandbhai
29	17BCT030	Tank Ravikumar Jayantilal
30	17BCT031	Timbadiya Jayprakash Deepakbhai
31	17BCT032	Vaddoriya Jasmin Kamleshbhai
32	17BCT033	Vala Azadbhai Raysinhbhai
33	17BCT034	Varu Dharmesh Bhavesh
34	17BCT035	Vikiyani Yakin Salimbhai
35	17BCT036	Zalavadiya Yash Jitendrabhai



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Metric - 5.1.3

Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot

Program Name : B.Voc. Pharmaceutical Analysis & Quality Assurance SEM-I

Sr.No.	Enrollment No	Student Name
1	17BPA001	Akabari Khushali Rameshbhai
2	17BPA002	Gohil Abhayrajsinh Bhojrajsinh
3	17BPA003	Hemani Sonali Jagdishbhai
4	17BPA004	Jabvani Kajal Gautambhai
5	17BPA005	Jadhav Aswini Balbhim
6	17BPA006	Jobanputra Aastha Ashokkumar
7	17BPA007	Kansagara Khushaliben Ashvinbhai
8	17BPA008	Kumbhani Vimanshi Hareshbhai
9	17BPA009	Lakhlani Harsh Jitendrabhai
10	17BPA010	Pathak Mansiben Girishbhai
11	17BPA011	Patoliya Pinal Niteshbhai
12	17BPA012	Rabadiya Jigarkumar Rasikbhai
13	17BPA013	Rajani Akshari Miteshbhai
14	17BPA014	Ramani Bhargav Ramanikbhai
15	17BPA015	Rathod Dhaval Vallabhbhai
16	17BPA016	Rohilla Bhuneshwari Laxminarayan
17	17BPA017	Satasiya Disha Mansukhbhai
18	17BPA018	Sorathiya Hemanshi Rajeshbhai
19	17BPA019	Thumar Rinish Jayeshbhai
20	17BPA020	Thumbar Ishaben Hiteshbhai
21	17BPA021	Vaghasiya Tarang Vimalbhai
22	17BPA022	Vala Yagnik Maheshbhai



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Criterion- V

Metric - 5.1.3

Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot
Program Name : B.Voc. Medical Laboratory and Molecular Diagnostic Technology SEM-I

Sr.No.	Enrollment No	Student Name
1	17BML001	Bamroliya Priyansi Harsukhbhai
2	17BML002	Baraiya Swatiben Dinesh
3	17BML003	Bhatt Purvi Bhadrashbhai
4	17BML004	Chadamiya Priyankaben Kantilal
5	17BML005	Chauhan Ankita Kishorbhai
6	17BML006	Chavda Shivani Dipakbhai
7	17BML007	Dalsaniya Purva Jayeshkumar
8	17BML008	Detroja Roshni Arvindbhai
9	17BML009	Dobariya Mansiben Bhikhubhai
10	17BML010	Dudhatra Krishna Vinodbhai
11	17BML011	Dudhatra Nikita Kanjibhai
12	17BML012	Herma Bhoomi Ranjitsinh
13	17BML013	Hinsu Arju Maganbhai
14	17BML014	Hirani Mitisha Rajnikantbhai
15	17BML015	Jadeja Rajendrasinh Sahdevsinh
16	17BML016	Jimuliya Dhruvi Vinaykant
17	17BML017	Joshi Radhika Anandbhai
18	17BML018	Joshi Shivani Ashokbhai
19	17BML019	Kalariya Jeenal Gautambhai
20	17BML020	Kalathiya Pritiben Bharatbhai
21	17BML021	Kamariya Siddharth Ashvinbhai
22	17BML022	Kathiriya Milan Nileshbhai
23	17BML023	Kothari Dimple Milan
24	17BML024	Laiya Kinjalben Danabhai
25	17BML025	Makwana Kajal Kishorbhai
26	17BML026	Manasara Priti Mansukhbhai
27	17BML027	Mer Meera Kishorbhai
28	17BML028	Nagar Pooja Harshadbhai
29	17BML029	Nananiya Nenseeben Dheerajlal
30	17BML030	Padaliya Ashvini Rajeshbhai
31	17BML031	Padia Vidhi Ashishbhai
32	17BML032	Pambhar Disha Jitendrabhai
33	17BML033	Panchasara Harita Girishbhai
34	17BML034	Parmar Dilipkumar Govindbhai
35	17BML035	Parmar Rashmiben Sureshbhai
36	17BML037	Rajpara Janvi Sureshbhai
37	17BML039	Ramoliya Rishita Maheshbhai
38	17BML040	Ranpariya Vibha Ashokbhai
39	17BML041	Sakhiya Dhruvi Bipinbhai
40	17BML042	Sardhara Ravi Navalbhai
41	17BML043	Shir Bhavesh Arshibhai
42	17BML044	Sonagara Bhakti Shaileshkumar
43	17BML045	Thakar Himanshi Hitendrabhai
44	17BML046	Timbadiya Keshvi Navalbhai
45	17BML047	Vadodariya Pinal Jiteshbhai
46	17BML048	Varsani Monika Deepakbhai
47	17BML049	Viradiya Vibha Sureshbhai
48	17BML050	Zalavadiya Shivangi Bhaveshbhai



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Metric - 5.1.3

Connect

WITH YOUR



Library Orientations

Dr. Varsha M Kanabar

Librarian

vmkanabar@vsc.edu.in

1



Outline

- About the Library
- The Collection
 - Physical
 - Online (Electronic Resources)
- Code of Conduct
- E-resources



About the Library

- Beautiful and welcoming ambience and approach.
- Open Access
- Open on all Week days (Monday to Saturday)
- A Separate Reading Room (Central library)
- Fully Automated using the software NewGenLib
- User-centered collection and services to support curriculum and research requirements.
- Well defined areas for different subject and types of documents in the collection with good navigation tools and displays.



Layout

- **The Library is divided into different Sections**

- Science Books Collection
- General Reading Collection
- Competitive Exam. Books
- Periodical Section
- Reference Section
- Reading Area
- E-Library
- Newspaper Reading Section
- Property Counter
- Technical Processing Room & Librarians Chamber





READING...

No alternative... a habit worth
cultivating



- “Good Reading leads to good thoughts; thoughts leads to actions; actions lead to habit and habit leads to character. The whole good character could be built by a reading habit.”

--As Dr.APJ Abdul Kalam



Timings

- **The Lending section**
- *Weekdays – Monday to Friday:*
8.00am to 6.00pm
- *Saturdays:*
 - 8.00am to 2.00pm



The Collection

- **Books**
 - Volumes – 33840
 - Titles – 13484
- **Project Reports – 314**
- **Periodicals (Print) – 59+**
- **Back volumes of journals – 2910**
- **Multimedia**
 - _ CD/DVD – 3259





E-resources (Online Resources)

- **E-Journals**
Under NLIST Programme (6000+ titles)
- **E-books** - Under NLIST Programme
Under NLIST Programme (31,35,000+ titles)



Searching the Books in the Library

- Through the WebOPAC – Online Public Access Catalog
 - A Single point search interface for our entire collection
 - Books
 - Multimedia
 - Periodicals
 - E-Resources
 - Bound Volumes of Periodical Archive

OPAC Address:

<http://10.9.150.35:8080/newgenlibctxt>



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The screenshot displays the Virani Central Library OPAC (Online Public Access Catalogue) website. The header includes the library's name and logo, along with a search bar and navigation links. The main content area features a 'New Arrivals' section with five book covers, each labeled 'NO IMAGE AVAILABLE'. The books listed are:

- Aapghatni ghat taliye/Trivedi, Maulik J.
- Adunik manav shantini shodham/Swami Nihilshwaranand
- Aprekshit Patra - gujarati translation of Unposted letter/Ra. Mahatma
- Arvachin bharatna ghadatama shikshakoni bhumiya ane temni javabdari/Swami, Bhambhani
- Bharatiya Amul gatha - The A Indian Story/Harediya, Ruff

The footer contains links for 'Library timings', 'About the library', 'About the organization', and 'Your library on your mobile'. The browser address bar shows the URL: 10.9.150.35:8080/newgenlibctst/.



The screenshot displays the Virani Central Library OPAC (Online Public Access Catalogue) interface. At the top, there is a navigation menu with options like Home, About, My Library, Discussions, Message, New arrivals, Top stories, and Contact us. Below this is a search bar with the text 'Microbiology' and a dropdown menu for search criteria. The dropdown menu is highlighted with a red circle, and the 'Books' tab is highlighted with a red box. The 'New Arrivals' section shows several book covers with the text 'NO IMAGE AVAILABLE' and titles in Gujarati. At the bottom, there are links for 'Library timings', 'About the library', 'About the organization', and 'Your library on your mobile'.



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The screenshot shows a library website interface. At the top, there is a navigation menu with links: Home, About, My Library, Discussions, Message, New arrivals, Top stories, and Contact us. Below this is a search bar with the text 'Microbiology' and a dropdown menu set to 'Title'. A search button is visible. The results section shows 'Found 415 Results' and a list of results. The first result is highlighted with a red box and a red arrow pointing to the title: 'A Dictionary of Microbiology/J.L. Sharma'. The details for this book are: Author(s): Sharma, J.L.; Buldini, P.L.; Jain, V.K.; Edition: 1st ed.; Subjects: UG Plan; UGC; Microbiology; Publisher: CBS Publisher & Distributor Pvt Ltd, New Delhi, 2002; ISBN: 81-239-0625-0; Call number: 579.03 SHA/Dic; Type: Book; Available At: Main Library -> Reference, Main Library -> Microbiology Stack; Availability: View Details; Reviews: (0 reviews) View/Add reviews. To the right of the search results, there is a 'Discover' section with links to Google Books, Springer Online documents, Springer Open Access documents, IEEE, and IEEE Open Access documents. Below this is a 'Refine results by' section with 'Sub location' (Main Library (413), Multimedia (2)) and 'Shelving location' (Microbiology Stack (231)).



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Holdings For Librarians (MARC Record View and Download)

VIRANI CENTRAL LIBRARY

Bar code	Accession number	Status	Location	Material type
L1411603	L1411603 579 DUB-MAH	Available	Main Library -> Reference	Book (Print, Microform, Electronic, etc.)
L1411604	L1411604 579 DUB-MAH	Checked out (Not Available)	Main Library -> Microbiology Stack (Currently present in Main Library)	Book (Print, Microform, Electronic, etc.)

Other books in the rack

Manual of Industrial Bacteriology, Bacteriology, Bacteriology, A text Book of Industrial Bacteriology, Text Book of Microbiology, Microbiology



Physical description: xvi, 912p ;
Edition: 1st ed ;
Author(s): Dubey, R.C ;
Maheshwari, D.K ;
ISBN: 81-219-2620-3 ;
Subjects: UG Plan; UGC; Microbiology ;
Publisher: : S.Chand & Company Ltd. New Delhi , 2008 ;
Call number: 579 DUB-MAH ;
Type: Book ;
Available At: Main Library -> Reference, Main Library -> Microbiology/Stack ;
Availability: View details ;
Reviews: (2 reviews) [View/Add reviews](#) ;
Quick view | Tag This Record | Add To Favorites | Reserve this item ;
Print Record | Email Record | Add Record To Buffer (You can print all records in buffer) (You can print all records in buffer)

Holdings For Librarians (MARC Record View and Download)

VIRANI CENTRAL LIBRARY

Bar code	Accession number	Status	Location	Material type	
L1411603	L1411603 579 DUB- MAH	Available	Main Library -> Reference	Book (Print, Microform, Electronic,	Request this item for check-



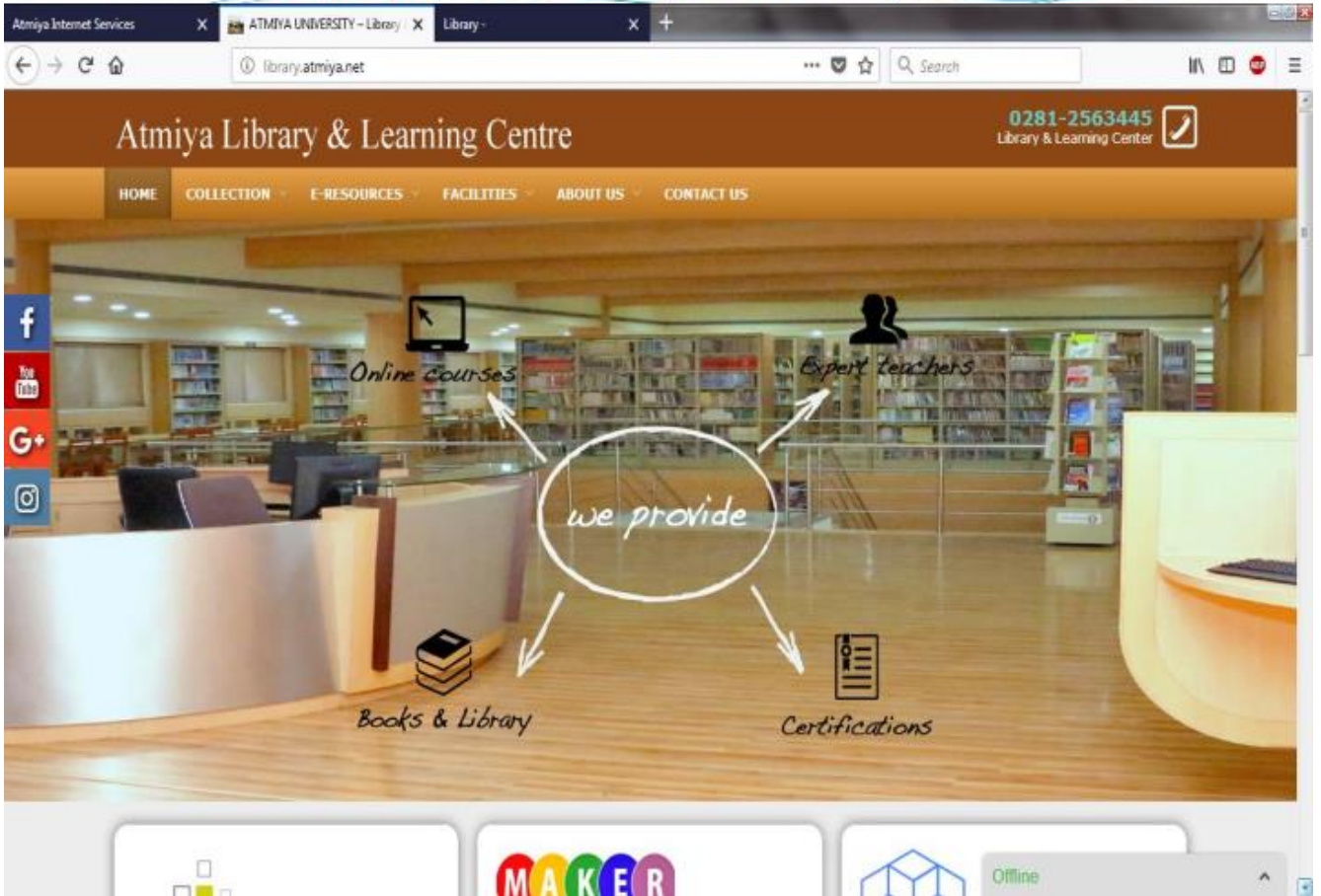
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<http://library.atmiya.net>





<http://nptel.ac.in/>

Click here to open NPTEL Web Courses

Discipline-Wise Video Courses

Aerospace Engineering	Atmospheric Science	Basic courses(Sem 1 and 2)	Biotechnology
Chemical Engineering	Chemistry and Biochemistry	Civil Engineering	Computer Science and Engineering
Electrical Engineering	Electronics & Communication Engineering	Engineering Design	Environmental Science
General	Humanities and Social Sciences	Management	Mathematics
Mechanical Engineering	Metallurgy and Material Science	Mining Engineering	Nanotechnology
Ocean Engineering	Physics	Textile Engineering	

- Required Software**
 - Latest firefox browser: Click here to download | 32 bit | 64 bit
 - Install flash player in browser [Click here to download](#)
 - Click on the Discipline to view list of courses
 - The NPTEL index list may be modified by the institute, as required.
- Instructions**
 - Please read the Readme.txt for details on how to setup the NPTEL Index.
 - This index has been provided to refer the NPTEL Web and Video course contents.
 - Click on the Discipline to view list of courses
 - The NPTEL index list may be modified by the institute, as required.



http://nptel.ac.in/

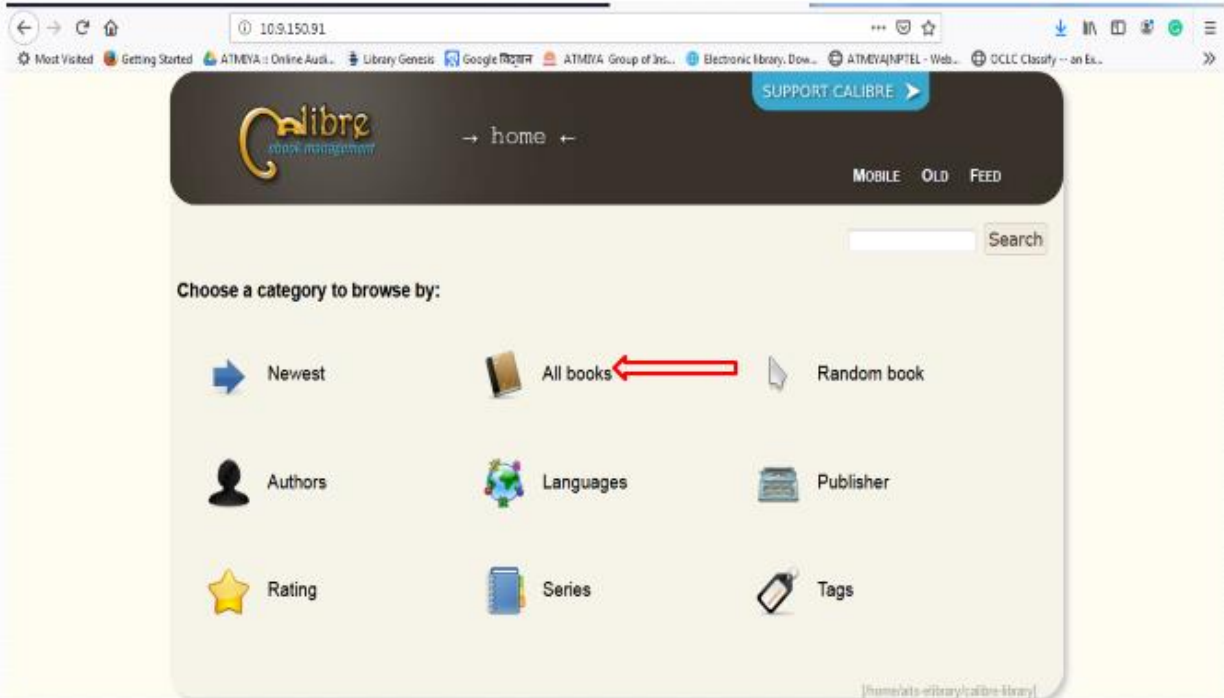
NPTEL - Web and Video Courses

subjectid	Discipline Name	Subject Name	Coordinators	Type	Institute	Content
10410406	Chemistry and Biochemistry	Advance Analytical Course	Dr. Padma S Vankar	Video	IIT Kanpur	Select
104104011	Chemistry and Biochemistry	Chemistry of Materials	Prof. S. Sundar Mansharan	Video	IIT Kar	Select
104105031	Chemistry and Biochemistry	Bio-inorganic chemistry	Prof. D. Ray	Video	IIT Kh	Lecture-01 Advance Analytical Course Lecture-02 Advance Analytical Course
104105033	Chemistry and Biochemistry	Co-ordination chemistry (chemistry of transition elements)	Prof. D. Ray	Video	IIT Kh	Lecture-03 Advance Analytical Course Lecture-04 Advance Analytical Course
104105034	Chemistry and Biochemistry	Heterocyclic Chemistry	Prof. D.R. Mal	Video	IIT Kh	Lecture-05 Advance Analytical Course Lecture-06 Advance Analytical Course
104105038	Chemistry and Biochemistry	Organic photochemistry and pericyclic reactions	Dr. N.D. Pradeep Singh	Video	IIT Kh	Lecture-07 Advance Analytical Course Lecture-08 Advance Analytical Course
104105041	Chemistry and Biochemistry	Rate processes	Dr. M. Halder	Video	IIT Kh	Lecture-09 Advance Analytical Course
104106048	Chemistry and Biochemistry	Principles and Applications of Electron Paramagnetic Resonance Spectroscopy	Prof. Ranjan Das	Video	IIT Mas	Lecture-10 Advance Analytical Course
104108055	Chemistry and Biochemistry	Essentials in Immunology	Dr. R. Manjath,Dr. Dipankar Nandi,Prof. Anjali Karande	Video	IISc Ban	Lecture-11 Advance Analytical Course
104108057	Chemistry and Biochemistry	Introductory Quantum Chemistry	Prof. K.L. Sebastian	Video	IIT Ban	Lecture-12 Advance Analytical Course
104108062	Chemistry and Biochemistry	Introduction to Organometallic Chemistry	Prof. A.G. Samalson	Video	IIT Ban	Lecture-13 Advance Analytical Course
102105034	Chemistry and Biochemistry	BioChemistry I	Prof. S. Dasgupta	Video	IIT Kh	Lecture-14 Advance Analytical Course
104104026	Chemistry and Biochemistry	Mathematics for Chemistry	Dr. Madhav Ranganathan Dr. P.P. Thankachan	Video	IIT Kar	Lecture-15 Advance Analytical Course Lecture-16 Advance Analytical Course
104105039	Chemistry and Biochemistry	Polymer Chemistry	Dr. D. Dhara	Video	IIT Kh	Lecture-17 Advance Analytical Course
104108056	Chemistry and Biochemistry	Eukaryotic Gene Expression - basics and benefits	Prof. P.N. Rangarajan	Video	IISc Ban	Lecture-18 Advance Analytical Course
104106072	Chemistry and Biochemistry	NOC:Chemistry - I	Prof. K. Mangala Sunder	Video	IIT Mas	Lecture-19 Advance Analytical Course
104106074	Department of Chemistry	NOC:Chemistry - II	Prof. K. Mangala Sunder	Video	IIT Madras	Select
104106075	Department of Chemistry	NOC:Application of Spectroscopic Methods in Molecular Structure Determination	Prof. S. Sankararaman	Video	IIT Madras	Select

18

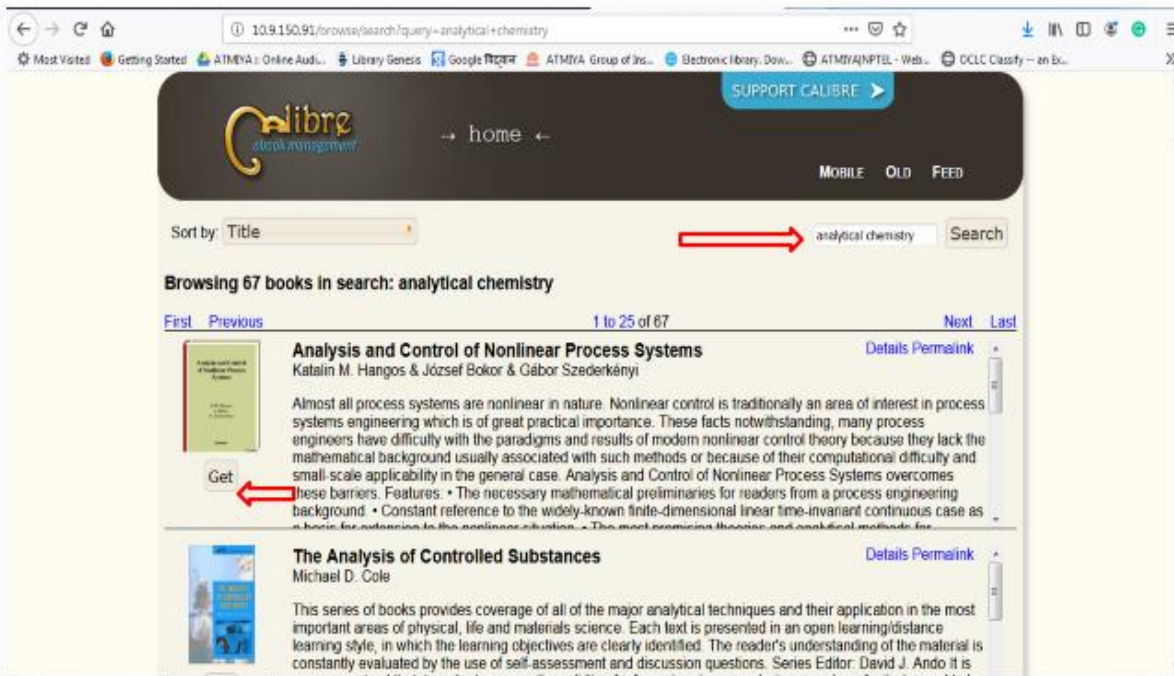


E-book : Calibre



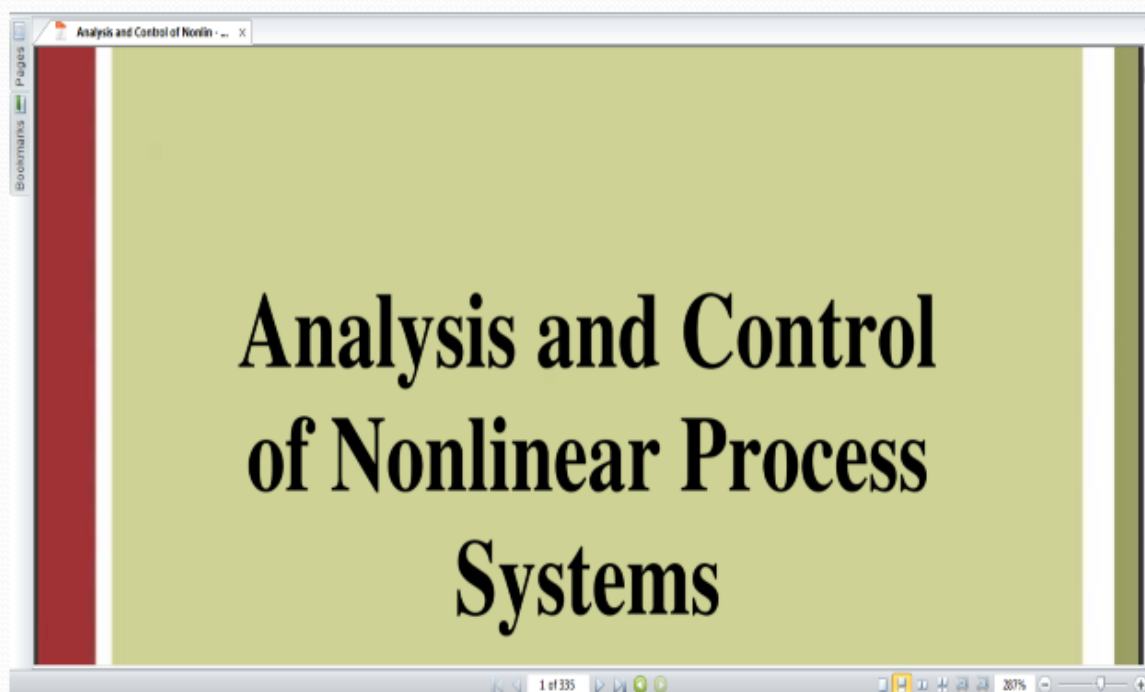


E-book : Calibre





E-book : Calibre



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Digital Library

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Criterion- V

Metric - 5.1.3

Digital Library (Institutional Repository)

<http://10.9.44.5:8080/dspace>

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.

Communities in DSpace

Select a community to browse its collections.

- [Atmiya Institute of Pharmacy](#)
- [Atmiya Institute of Technology and Science](#)
- [Atmiya Institute of Technology and Science - MBA](#)
- [Atmiya Institute of Technology and Science -MCA](#)
- [Atmiya Institute of Technology and Science for Diploma Studies \(AITSDS\)](#)
- [Gyanyagna College of Science & Management](#)
- [Information Technology - IT](#)
- [Shree M & N Virani Science College](#)

Recently Added

[VISHWAKARMAYOJNA: AN APPROACH TOWARDS RURBANISATION Khirasara Village](#)
Ahir, Nidhi; Jadeja, Vishwajetsinh (2018)
Vishwakarma Yojana is one of the approaches to reduce urban city Pressure and lower the migration by developing vilage with a "rural soul" but with all urban amenities that a citymay have. The main objective of this ...

Search DSpace

[Advanced Search](#)

Browse

All of DSpace
[Communities & Collections](#)
[By Issue Date](#)
[Authors](#)
[Titles](#)
[Subjects](#)

My Account

[Login](#)
[Register](#)

Discover

Author
[Atmiya Institute Of Technology & Science \(203\)](#)
[Acharya, G.D. \(73\)](#)
[Atmiya University \(32\)](#)
[Kothari, Ashish \(30\)](#)
[Gohel, Hardik \(29\)](#)
[Yora, Vishal \(27\)](#)



The screenshot displays the DSpace Repository interface for Shree M & N Virani Science College. The main navigation area includes a 'Browse by' section with links for 'By Issue Date', 'Authors', 'Titles', and 'Subjects'. Below this is a search box for the community and its collections. The 'Sub-communities within this community' section lists various disciplines: Biochemistry, Biology, Biotechnology, Chemistry, Computer, Industrial Chemistry, Mathematics, Microbiology (highlighted with a red arrow and box), and Physics. The right sidebar features a 'Search DSpace' section with a search input and 'Go' button, and a 'Browse' section with links for 'All of DSpace' and 'This Community', each with sub-links for 'Communities & Collections', 'By Issue Date', 'Authors', 'Titles', and 'Subjects'. The 'My Account' section includes 'Login' and 'Register' links. The 'Discover' section is partially visible at the bottom.



The screenshot shows a web browser displaying the DSpace Repository interface. The address bar shows the URL: library.atmya.net:8080/dspace/handle/123456789/286. The page title is "DSpace Repository" with a "Login" link. The breadcrumb trail is: DSpace Home → Shree M & N Virani Science College → Microbiology.

The main content area is titled "Microbiology". Under "Browse by", there are links for "By Issue Date", "Authors", "Titles", and "Subjects". Below this is a search box with the text "Search within this community and its collections:" and a "Go" button.

The "Sub-communities within this community" section lists four items: "A. Faculty Publication", "B. Students publication", "C. Events", and "D. Documentation". A red arrow points to "A. Faculty Publication", which is highlighted with a red box.

The "Recent Submissions" section shows a submission titled "CHARACTERIZATION OF α -AMYLASES OF THERMOPHILIC BACTERIA" by Rathod, Upasna (2015-05-19). The abstract text is partially visible: "of thermophilic bacteria from site Tulsii Shyam,Gujrat. The isolates could not grow at 37°C, indicating their true".

On the right side, there are several sidebar sections: "Search DSpace" with a search box and "Go" button; "Browse" with links for "All of DSpace", "Communities & Collections", "By Issue Date", "Authors", "Titles", "Subjects", and "This Community" with sub-links for "By Issue Date", "Authors", "Titles", and "Subjects"; "My Account" with "Login" and "Register" links; and "Discover" with an "Author" link.

The Windows taskbar at the bottom shows the time as 11:35 on 28-06-2018.



The screenshot shows a DSpace digital library interface. The address bar displays 'library.atmiya.net:8080/dspace/handle/123456789/364'. The page features a search bar with the text 'Search within this community and its collections:' and a 'Go' button. Below the search bar, there are sections for 'Collections in this community' (listing 'Upload Article Microbiology') and 'Recent Submissions'. The 'Recent Submissions' section lists three articles:

- Two-step purification of a highly thermostable alkaline protease from salt-tolerant alkaliphilic *Streptomyces clavuligerus* strain Mit-1**
Thumar, Jignasha; Singh, S.P. (2012-03-11)
An alkaline protease from a salt-tolerant alkaliphilic *Streptomyces clavuligerus* was purified to homogeneity by 141-fold with a yield of 127% using two-step method of salt precipitation and ion exchange chromatography ...
- Role of human papilloma virus in oral squamous cell carcinoma**
Parmar, Minaxi; Patel, Prabhudas; Pandhi, Neepa (2012-03-11)
Oral squamous cell carcinoma (OSCC) is sixth major cause of cancer morbidity and mortality worldwide and one of the most common - Indian subcontinent. We carried out a survey on various etiologic factors of OSCC ...
- Production of alkaline protease from an alkaliphilic actinomycete**
Mehta, V.J.; Thumar, J.T.; Singh, S.P. (2012-03-11)
The repression of alkaline protease synthesis from alkaliphilic actinomycete was studied by using glucose, peptone, yeast extract, KH₂PO₄ and amino acids; tyrosine, tryptophan, lysine, and arginine. There was a critical ...

On the right side, there are navigation menus: 'Browse' (All of DSpace, Communities & Collections, By Issue Date, Authors, Titles, Subjects; This Community, By Issue Date, Authors, Titles, Subjects), 'My Account' (Login, Register), and 'Discover' (Author: Pandhi, Neepa (5), Rana, Archana (4), Singh, S.P. (2), Thumar, J.T. (2), Mehta, V.J. (1), Nandania, Trupti (1), Pandhi, N.D. (1), Parmar, Minaxi (1), Patel, Prabhudas (1), Rana, A.S. (1); Subject: Microbiology (6), Ill (6)). A red box highlights the article 'Role of human papilloma virus in oral squamous cell carcinoma' with a red arrow pointing to it.



library.atmiya.net:8080/dspace/handle/123456789/816

Search

DSpace Repository

[Login](#)

[DSpace Home](#) → [Shree M & N Virani Science College](#) → [Microbiology](#) → [A Faculty Publication](#) → [Journals Articles](#) → [Upload Article Microbiology](#) → [View Item](#)

Role of human papilloma virus in oral squamous cell carcinoma

Parmar, Minaxi; Patel, Prabhudas; Pandhi, Neepa

URI: <http://hdl.handle.net/123456789/816>

Date: 2012-03-11

Abstract:

Oral squamous cell carcinoma (OSCC) is sixth, major cause of cancer morbidity and mortality worldwide and one of the most common - Indian subcontinent. We carried out a survey on various etiological factors of OSCC with special emphasis on recent reports. We found that high incidence of OSCC is attributable to tobacco chewing, alcohol and betel nut consumption. However, large part of the population develops OSCC without exposure to these risk factors suggests that additional causes, such as genetic predisposition, diet and viral agents may participate in carcinogenesis of OSCC. Viruses that have been implicated in OSCC are Epstein-Barr virus, human herpes virus, Human Cytomegalovirus, and, particularly, Human Papilloma Virus (HPV). HPV the necessary cause of cancer in cervix, in particular HPV-16 and HPV-18, have now been detected in up to 70 % of OSCC. Our survey also revealed that several studies from India have demonstrated HF in OSCC and potentially malignant oral lesions, with wide variations from 15-70% prevalence in oral tissues. The data documented that patients with HPV-positive tumors have improved prognosis, higher response rates to chemotherapy and radiation and increased survival compared to those with HPV-negative tumors. HPV detection has future implications in diagnosis, prognosis, therapeutics and prevention of OSCC. Accordingly, HPV status will become standard component of routine diagnostic work-up of all OSCC. Numerous investigators have reported that tumor HPV status is prognostic factor for overall survival and progression-free survival which might also be a predictive marker of response to treatment. Less intense treatment strategies that do not

Search DSpace

- Search DSpace
- This Collection

[Advanced Search](#)

Browse

- All of DSpace
 - [Communities & Collections](#)
 - [By Issue Date](#)
 - [Authors](#)
 - [Titles](#)
 - [Subjects](#)
- This Collection
 - [By Issue Date](#)
 - [Authors](#)
 - [Titles](#)
 - [Subjects](#)

My Account

- [Login](#)
- [Register](#)





E-Resources



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NAAC - Cycle-3

Criterion- V

Metric - 5.1.3

N-LIST Programme

<http://nlist.inflibnet.ac.in>

N-LIST Programme at INFLIBNET Centre Ahmedabad Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://nlist.inflibnet.ac.in/

Most Visited Getting Started Latest Headlines Customer Links Free HTML Windows Marketplace Windows Media Windows

N-LIST Programme at INFLIBNET Centre

Home » Login | Licences and Fairuse | F.A.Q.s | Contact Us | Write Comment(s)

N-LIST Extending e-Resources to colleges in India
National Library and Information Services Infrastructure for Scholarly Content
An Initiative of Ministry of Human Resource Development under National Mission on Education through ICT

Home About Members E-Resources How to Join? Operation UserGuida/help Register College Status Search Downloads

Welcome to N-LIST Website
An Initiative of Ministry of Human Resource Development (MHRD) Under the National Mission on Education through ICT

Registered Member's login
to get access to e-resources

[Click here to Login >>](#)

Important for the colleges under firewall, the port nos 2048-2251 required to be open for login. Please ask your Network Admin/ISP.

If your college is not registered for the National Library and Information Services Infrastructure for Scholarly Content (N-LIST) programme, ask your college authorities to get registered and obtain login ID and password.

If already Registered [Check Status](#)

Further Help/query ?

N-LIST Winner of The eMentor Award
Department of Higher Education South Asia 2010 under e-LEARNING Category
[Watch Video](#)

Total number of registrations (1891)
Number of 128/22 Colleges (1845)
Only 22 Colleges (37)
Today's Registration: (3)

Programme formally launched by Honourable
As an authorised user from colleges registered under NLIST programme, you will have access to the following e-resources.

E-Journals (Fulltext)

- American Institute of Physics (18 titles)
- American Physical Society (10 titles)
- Annual Review (22 titles)
- Cambridge University Press (224 titles)
- Economic and Political Weekly (EPW) (1 titles)
- Indian Journal AIC (150 titles)
- Institute of Physics (46 titles)
- Oxford University Press (206 titles)
- Royal Society of Chemistry (1420 titles)
- H. W. Wilson (1420 titles)

E-Books

- Elekary (52000+ titles)
- Oxford Scholarship (902 titles)
- Stat Library (926 titles)
- MathLibrary-McGraw Hill (1308 titles)

Important Announcement Besides 902 purchased ebooks, Oxford Scholarship Online has set up access to 5000+ fulltext ebooks until June 30.

start | Final LIBRARY AND L... | Know your Library an... | Know your Library an... | Now Microsoft Office ... | N-LIST Programme at ... | 1:55 PM



The screenshot shows a web browser window displaying the N-LIST website. The address bar shows the URL <https://proxy.inflibnet.ac.in/menu>. The website header includes the INFLIBNET logo, the text "N-LIST National Library and Information Services Infrastructure for Scholarly Content extending access to e-resources to colleges in India", and the eShodh Sindhu logo. A navigation menu at the top contains links for Home, About, Members, E-Resources, How to Join, Operation, UserGuide/help, Register, College Status, Search, and Downloads. A "logout" link is visible in the top right corner. The main content area is titled "List of E-resources under N-LIST Programme" and includes a sub-heading "Click on the resource to get Fulltext Access". A list of resources follows, each with a green checkmark icon and a link: American Institute of Physics (18 titles and 10 years backfiles access), Annual Reviews (33 titles and 10 years rolling backfiles access), Cambridge Core (224 titles with 10 yrs backfiles), Institute of Physics (46 Journals), Oxford University Press (204 titles and 10 years backfiles access), Royal Society of Chemistry (29 titles and 10 years backfiles access), Economic and Political Weekly (1 title and access from 1966), Indian Journals (250+ titles and access from 2007), JSTOR (2500+ titles), EBSCOHOST(H W Wilson and NetLibrary) (2800+ and 936 titles), Library Ebook (134000+ titles) (highlighted with a red arrow), Cambridge Books Online (1800 titles), and Oxford Scholarly ebooks (1400+ titles). The Windows taskbar is visible at the bottom of the browser window.



Royal Society of Chemistry

The screenshot displays the Royal Society of Chemistry's website. The browser window shows the URL `iproxy.infnbnet.ac.in:2095`. The page title is "The Royal Society of Chemistry's Journals, Books and Databases".

Our journals section features a "View all journals" button and a grid of journal covers including:

- Hydrogen Energy Fuels
- ChemComm
- Chemical Science
- Materials Systems Design & Engineering
- Natural Product Reports

A search bar is provided with the text "Search our journals" and a search icon. Below the search bar, it says "eg Journal title, search term, author, DOI".

There is a section for "Jump straight to a journal" with a dropdown menu currently showing "Analyst".

About our publications section states: "The Royal Society of Chemistry publishes 45 peer-reviewed journals, more than 1,500 print books and a collection of online databases and literature updating services." It also mentions: "Our international publishing portfolio covers the core chemical sciences including related fields such as biology, biophysics, energy and environment, engineering, materials, medicine and physics. As a not-for-profit publisher, we reinvest surplus funds back into the global scientific community, supporting our mission to advance excellence in the chemical sciences."

Open access section is partially visible at the bottom.

The Windows taskbar at the bottom shows the time as 10:11 on 25-07-2018.

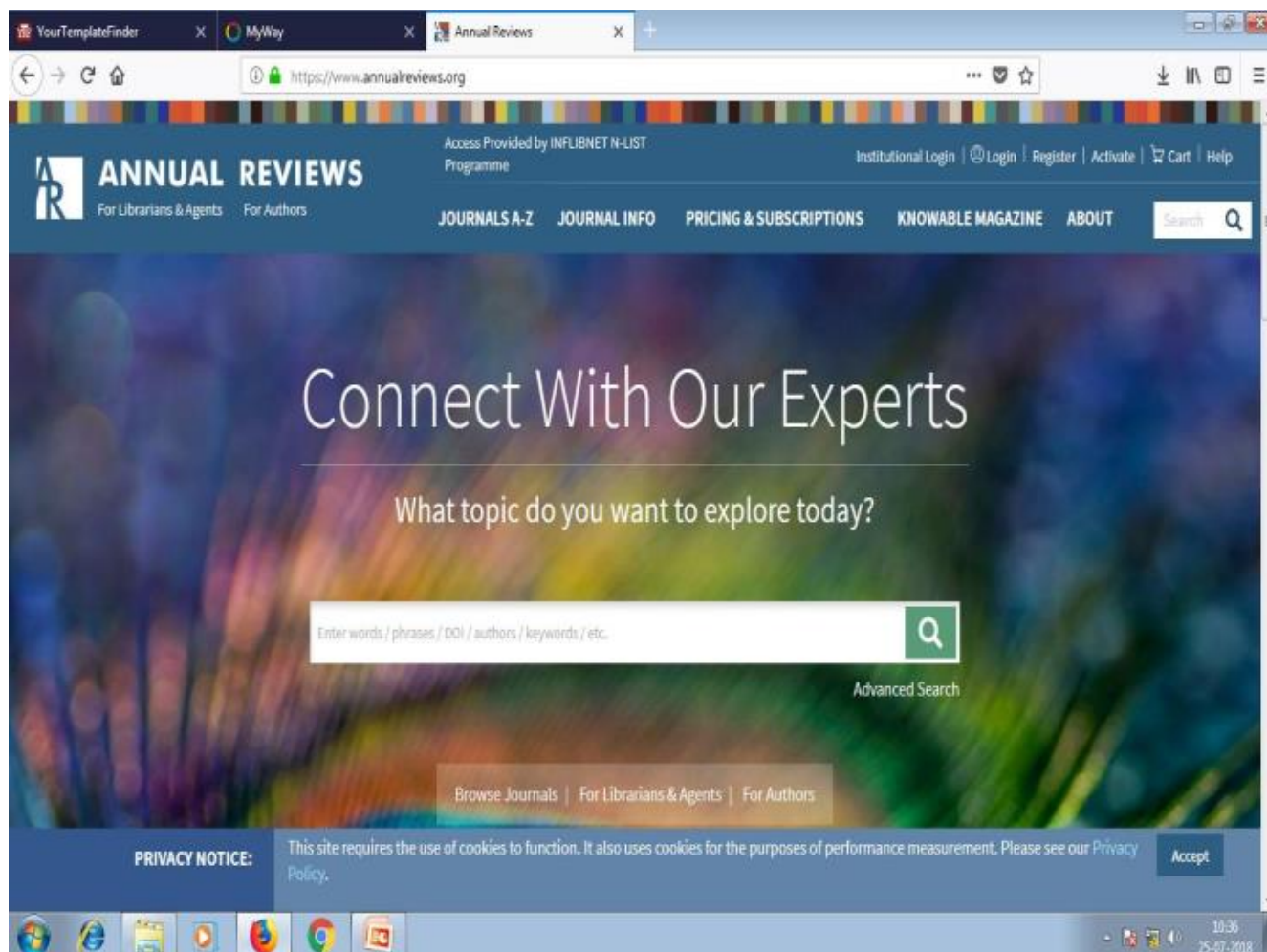


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Indian Journals.com
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Welcome! Gujarat University (Nlist Consortia) (IP) Last access: 23-Jun-2018 15:04 (210.212.125.125)
Users online: 1478

Home About us Products Article Submission Usage Statistics Price List 2018 Contact Us Tutorial

Gateway to access, disperse and preserve knowledge!

Search for: in Title Author Publication

Example: Plant OR "Nano technology"

Example: Sharma A OR Sharma A (enter lastname first then enter firstname)

Example: IJMS Journa... , arrowkeys to select then Enter

Search Clear

What's New

Advance Search Available Now.

Journals (355) Open Access (32) Subjects (23) Price List 2018

Most Read Article (11-Jun-2018 to 17-Jun-2018)

[Agriculture Science](#) [Animal Science](#) [Applied Science and Technology](#) [Business Economics and Management](#)

[Dental Science](#) [Library Science](#) [Medical Science](#) [Social Science](#)

Most Read Publication (11-Jun-2018 to 17-Jun-2018)

[Indian Journal of Genetics and Plant Breeding \(The\)](#)
Downloads:4,068

[Water and Energy International](#)
Downloads:3,171

[Indian Journal of Horticulture](#)
Downloads:3,156

AGRICULTURE
LIBRARY SCIENCE
MANAGEMENT

PEARL
SIDDHANT

UNIVERSITY GRIFFIN COMMISSION
UGC Approved Journal

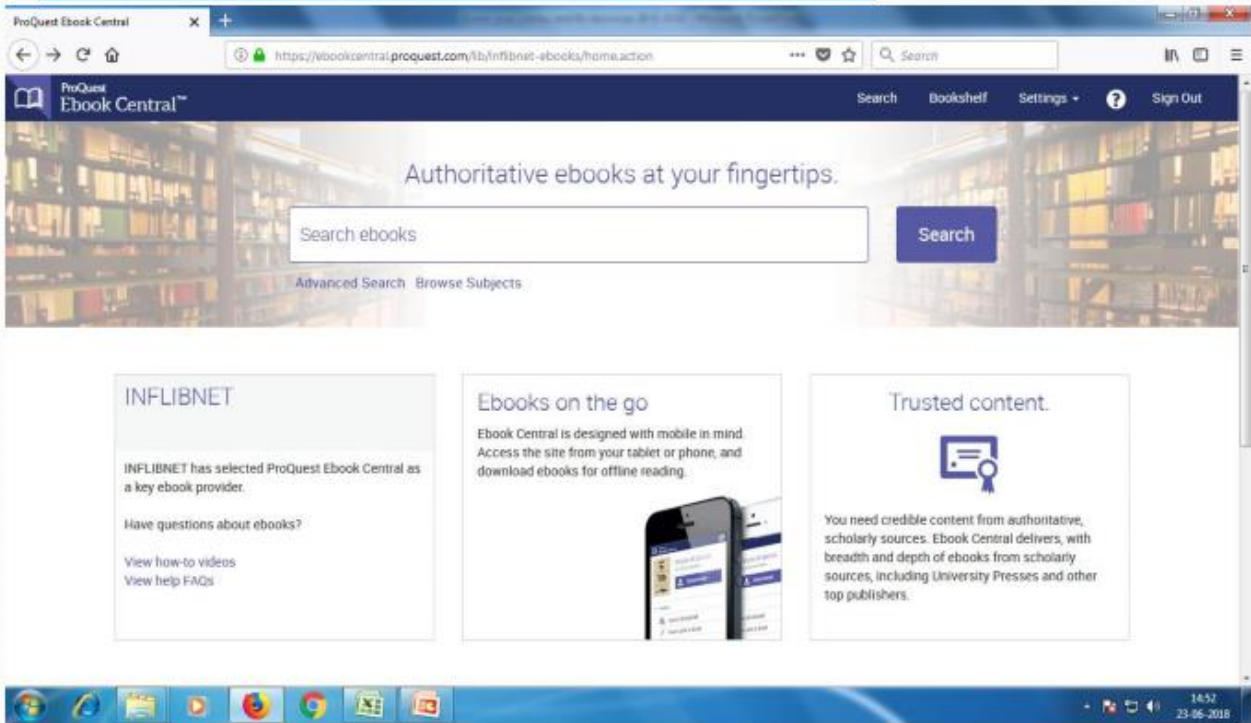
REMOTE ACCESS

15:07
23-06-2018



eBrary (Academic Complete)

<http://site.ebrary.com/lib/aits>





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Criterion- V

Metric - 5.1.3

The screenshot shows the ProQuest Ebook Central website interface. The browser address bar displays the URL: <https://ebookcentral.proquest.com/lib/infibnet-ebooks/browseSubject.action>. The main content area is a grid of subject categories, each with an icon and a list of sub-topics:

- ARTS**
 - Architecture
 - Fine Arts
- BUSINESS**
 - Business/Management
 - Economics
- EDUCATION**
 - Education
 - Juvenile Literature
- GENERAL**
 - General Works/Reference
 - Geography/Travel
 - Home Economics
 - Library Science
 - Museums
 - Tourism/Hospitality
- HEALTH & MEDICINE**
 - Health
 - Medicine
 - Nursing
 - Pharmacy
 - Psychology
 - Sport & Recreation
- HISTORY & POLITICAL SCIENCE**
 - History
 - Political Science
- LAW**
 - Law
- LITERATURE & LANGUAGE**
 - Fiction
 - Journalism
 - Language/Linguistics
 - Literature
 - Publishing
- RELIGION & PHILOSOPHY**
 - Philosophy
 - Religion
- SOCIAL SCIENCE**
 - Social Science
 - Military Science
- SCIENCE & TECHNOLOGY**
 - Agriculture
 - Computer Science/IT
 - Engineering
 - Chemical Engineering
 - Civil Engineering
 - Construction
 - Electrical Engineering
 - Environmental Engineering
 - General Engineering
 - Manufacturing
 - Mechanical Engineering
 - Mining
 - Environmental Studies
 - Mathematics
 - Science
 - Anatomy/Physiology
 - Astronomy
 - Biology/Natural History
 - Botany
 - General Science
 - Chemistry
 - Geology
 - Physics
 - Zoology



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Metric - 5.1.3

NPTEL Online Courses

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The screenshot displays the NPTel website interface with the following details:

- Search Bar:** Located at the top left.
- Course Status:** Set to 'All'.
- Category List:** Includes Architecture and Planning, Biological Sciences & Bioengineering, Chemical Engineering (selected), Civil Engineering, Computer Science and Engineering, Design Engineering, Electrical, Electronics and Communications Engineering, and Humanities, Business.
- Course Cards:**
 - Heat Transfer:** Prof. Susanto Dasgupta, Department of Chemical Engineering, Indian Institute of Technology, Kharagpur. Course duration: July 30, 2018 – October 19, 2018 (Full Term - 12 weeks course). Last date for enrollment: August 6, 2018 till 5pm. Exam date: OCTOBER 28, 2018. Open for Enrollment: July 30 - October 19 (12 week course).
 - Infrared spectroscopy for pollution monitoring:** Prof. J R Mudzakazi, Department of Chemical Engineering, Indian Institute of Science, Bangalore. AICTE Approved FDP Course. Course duration: August 13, 2018 – September 7, 2018 (Short Term - 04 weeks course). Last date for enrollment: August 13, 2018 till 5pm. Exam date: OCTOBER 7, 2018. Open for Enrollment: August 13 - September 7 (4 week course).
 - Introduction to Polymer Physics:** Prof. Prateek Kumar Jha, Department of Chemical Engineering, Indian Institute of Technology, Roorkee. AICTE Approved FDP Course. Course duration: July 30, 2018 – October 19, 2018 (Full Term - 12 weeks course). Last date for enrollment: August 6, 2018 till 5.00pm. Exam date: OCTOBER 28, 2018. Open for Enrollment: July 30 - October 19 (12 week course).
- Bottom Row:** Introduction to Polymer Physics, Natural Gas Engineering, Optimization in Chemical.
- Taskbar:** Shows various application icons and system time: 17:21, 26-07-2018.



Services

- **Online Article Request**
- **A separate reading hall (Central Reading Hall)**
- **E-Library**
- **Reprography Services**
- **Current awareness service (CAS)**
- **Selective Dissemination of Information**
- **Information Literacy Programme**
- **Inter Library Loan (ILL)**
- **Ready Reference Service**
- **Newspaper Clipping Service**



Services

- **Online Information Services (Blogs, tweets etc.)**
- **Digital Library (Institutional Repository)**
- **Extension activities**
- **Book Exhibition (Read A BOOK Today Events)**



Code of Conduct



Membership

- The Library does not charge library membership fees for the students who have taken admissions in the institutes of the Yogidham Gurukul, the faculties who are appointed and the other Members working with the Institute.



Circulation Privileges

- 3 Library Card for UG
- 4 Library Card for PG

You can Issue

Sr. No.	Document Type	Loan Period
1	Books	15 days
2	Competitive Exam Books	2 days
3	Multimedia	2 days



A point to note

- **Periodicals**

Periodicals will not be issue to any staff & students.



Circulation Rules

- Maintain Discipline.
- Always have your Identity Card with you
- The reader should check the book thoroughly for missing pages while borrowing the book.
- No book in damaged condition will be accepted from the reader. Mutilated or spoiled books will have to be replaced by the Borrower.



Loss of borrowed documents

- If the issued document is lost by reader then he/she has to report library before date of return and has to replace the document with latest edition or pay the charge of document within a week time. Otherwise late return fine will be charged till the date of replacement of the book. The document as well as the fine should be deposited together.



Overdue charges

- Rs. 2/- per day on Book & Rs. 5/- during Reading vacation and Exams
- Rs. 5/- on Multimedia.



Code of Conduct

- **Switch off your mobiles before entering the Library.**
- **No group discussions will be entertained in the Library.**
- **Books should not be misplaced on the racks as this would create a problem for other students and also the staff in searching. Any student found doing this would be strictly handled.**
- **Student should also use the books and keep them back in their right place else leave it on the table but not misplace the book.**
- **No eatables are allowed in the Library.**
- **Students found misbehaving will be strictly dealt with and may even be blocked the Library facilities.**
- **Before leaving the study table please place the chairs back properly.**



To get the best out of this Library
just maintain discipline...
cooperate
and we will serve you at our best!

Thank you!

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LITERATURE SEARCH AND LITERATURE REVIEW

Sheetal Tank, PhD

University Librarian

Atmiya University



OUTLINE

- What is Literature review?
- What is its purpose?
- Why Literature search is important?
- Types of Literature review?
- Where do the search for literature?
- How do I organize what I have searched?
 - Synthesis Matrix
 - Concept Map
- What is the format of the literature review?
- How do I record the References?

WHAT IS LITERATURE REVIEW?

- **A literature review is a comprehensive summary of previous research on a topic. The literature review surveys scholarly articles, books, and other sources relevant to a particular area of research.** The review should enumerate, describe, summarize, objectively evaluate and clarify this previous research. It should give a theoretical base for the research and help you (the author) determine the nature of your research. The literature review acknowledges the work of previous researchers, and in so doing, assures the reader that your work has been well conceived. It is assumed that by mentioning a previous work in the field of study, that the author has read, evaluated, and assimilated that work into the work at hand.
- A literature review creates a "landscape" for the reader, giving her or him a full understanding of the developments in the field. This landscape informs the reader that the author has indeed assimilated all (or the vast majority of) previous, significant works in the field into her or his research.

Source: <https://guides.library.bloomu.edu/litreview>



WHAT IS LITERATURE REVIEW?

- "In writing the literature review, the purpose is to convey to the reader what knowledge and ideas have been established on a topic, and what their strengths and weaknesses are. The literature review must be defined by a guiding concept (eg. your research objective, the problem or issue you are discussing, or your argumentative thesis). It is not just a descriptive list of the material available, or a set of summaries.

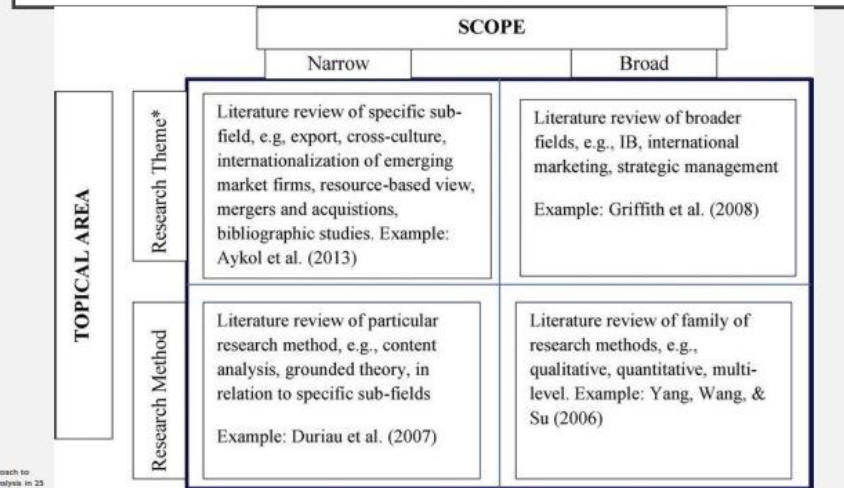
Source: (<http://www.writing.utoronto.ca/advice/specific-types-of-writing/literature-review>)

WHAT IS THE PURPOSE OF LITERATURE REVIEW?

- Provide a context for the research
- Identify seminal works and scholars in the field
- Acknowledge existing theories, points of view, hypotheses, etc. In the field of research
- Justify the research
- Clear up misconceptions about previous research
- Ensure the research has not been done before (or if it is repeated, that it is marked as a "replication study")
- Show where the research fits into the existing body of knowledge
- Enable the researcher to learn from previous theory on the subject
- Illustrate how the subject has been previously studied
- Highlight flaws in previous research
- Outline gaps in previous research
- Show that the work is adding to the understanding and knowledge of the field
- Help refine the topic, refocus the topic, or even contribute to the topic's evolution

Source: <https://guides.library.bloomu.edu/litreview>

WHY LITERATURE SEARCH IS IMPORTANT?



Source:
Gaur, Aje & Kumar, Pankaj. (2017). A systematic approach to conducting review studies: An assessment of content analysis in 25 years of IB research. *Journal of World Business*, 33. 10.1016/j.jwb.2017.11.003.

TYPES OF LITERATURE REVIEWS

Sr. No.	Type of Review	Description
1.	Systematic review	a review that aims to comprehensively identify all relevant studies to answer a particular question, and assess the validity (or 'soundness') of each study taking this into account when reaching conclusions
2.	Conceptual review (conceptual synthesis)	a review that aims to synthesize areas of conceptual knowledge that can contribute to a better understanding of these issues. The objectives of these syntheses are to provide an overview of the literature in a given field, including the main ideas, models and debates
3.	Critical review	term sometimes used to describe a literature review that assesses a theory or hypothesis by critically examining the methods and results of the primary studies, often with a wealth of background and contextual material, though not using the formalised approach of a systematic review
4.	'State of the art' review	this term is sometimes used to refer to reviews designed to bring readers up to date on the most recent research on a specific subject. What constitutes 'recent' can vary, as can the reviews' methods. State of the art reviews tend to focus on technical subjects such as engineering or transport

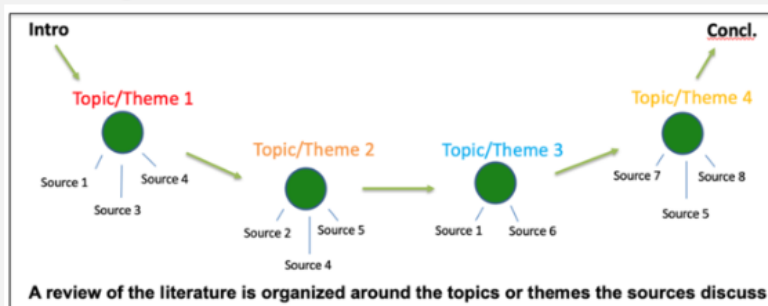
Source: Kelly, Candice. (2008). Lower external input farming methods as a more sustainable-solution for small-scale farmers.

WHERE DO I SEARCH FOR LITERATURE?

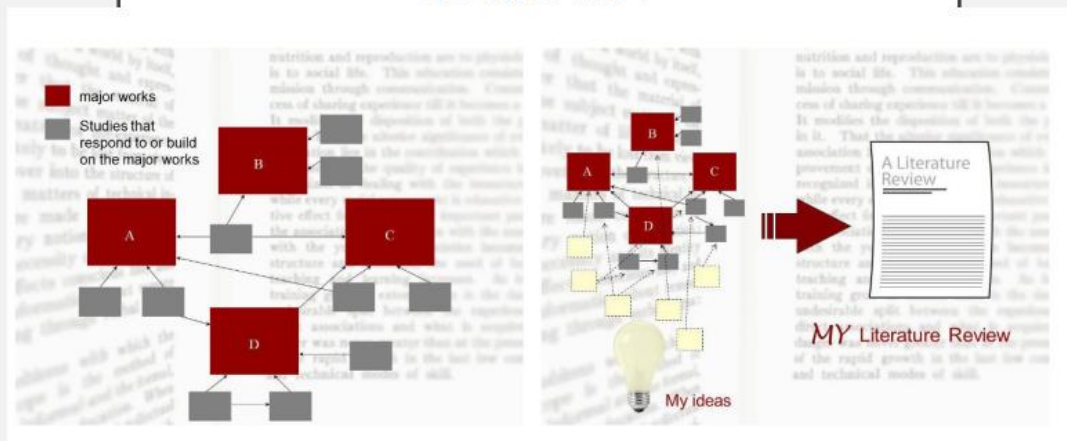
- For Citations:
 - Scholarly Search
 - Databases (e.g. JGate, Jstor)
 - Indexing Services (e.g. Web of Science, Scopus, Scite etc.)
- For full texts:
 - Publisher Website (e.g. IEEE, Elsevier, Springer, Taylor and Francis)
 - DELNET Services at your Library

HOW DO I ORGANIZE WHAT I HAVE SEARCHED?

- Chronological, ie. by date of publication or trend
- Thematic
- Methodological



HOW DO I ORGANIZE WHAT I HAVE SEARCHED?



SYNTHESIS MATRIX

As you read sources, themes will emerge that will help you to organize the review. You can use a simple Synthesis Matrix to track your notes as you read. From this work, a concept map emerges that provides an overview of the literature and ways in which it connects. Working with RM Tool to capture the citations, you build the structure for writing your literature review.

Citation	Concept/Theme	Main Idea	Notes 1	Notes 2	Gaps in the Research	Quotation	Page

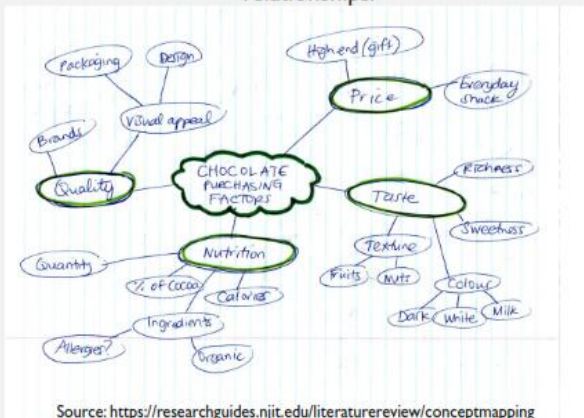
Source: Pacheco-Vega, R. (2016, June 17). *Synthesizing different bodies of work in your literature review: The Conceptual Synthesis Excel Dump (CSED) technique.*
<http://www.raulpacheco.org/2016/06/synthesizing-different-bodies-of-work-in-your-literature-review-the-conceptual-synthesis-excel-dump-technique/>

Video: https://www.youtube.com/watch?v=13GGEhi99g&feature=emb_logo

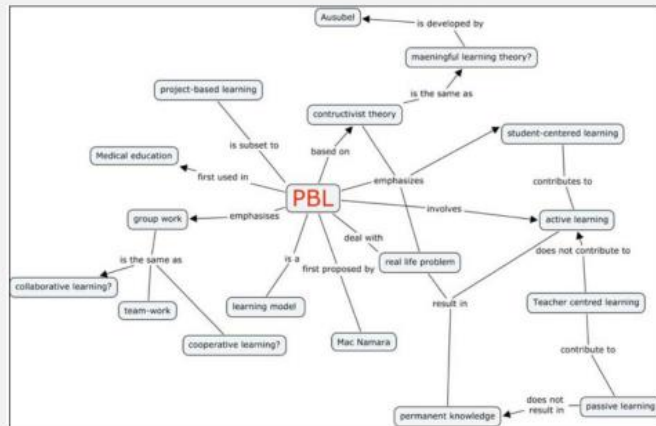
CONCEPT MAP

- Concept Maps are a way to graphically represent ideas and how they relate to each other.
- Concept maps may be simple designs illustrating a central theme and a few associated topics or complex structures that delineate hierarchical or multiple relationships.

VUE
<https://vue.sufts.edu/download/Draw.io>

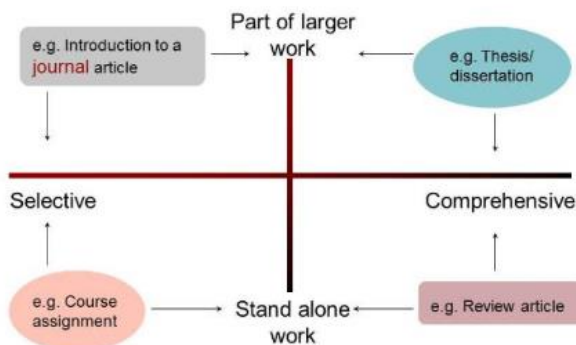


Source: <https://researchguides.njit.edu/literaturereview/conceptmapping>



WHAT IS THE FORMAT OF THE LITERATURE REVIEW?

Types of Literature Reviews



Five-Year Effects of an Anti-Poverty Program on Marriage among Never-Married Mothers
Anna Gassman-Pines
Hirokazu Yoshikawa

ABSTRACT
Using data from an experimental evaluation of the New Hope project, an anti-poverty program that increased employment and income, this study examined the effects of New Hope on entry into marriage among never-married mothers. Among never-married mothers, New Hope significantly increased rates of marriage. Five years after random assignment, 21 percent of women assigned to the New Hope condition were married, compared to 12 percent of those assigned to the control group. This relationship was robust to variations in model specifications.

Edin & Kefauver, 2005 income, wage growth, and goal efficacy increased depression. In non-experimental analyses, income and earnings were associated with higher probability of marriage and marital hardship was associated with lower probability of marriage. © 2005 by the Association for Public Policy Analysis and Management

INTRODUCTION
Rates of entry into marriage are low and declining among never-married mothers living in poverty. Compared to their higher-income counterparts, low-income individuals are less likely to marry and they have marriage rates that are declining more rapidly (Edin & Kefauver, 2005; Fields, 1998; Juhn & Smock, 2009). Policymakers and researchers are concerned that this trend will have negative consequences for children's well-being. Research shows that, compared to children in two-parent families, children in single-parent families have fewer physical and mental health problems and greater financial well-being (Nock, 1995; Walke & Gallagher, 2000). Research also indicates that children in two-parent families have higher levels of academic achievement and fewer behavior problems than children in single-parent families. Also, children in married two-parent families exhibit fewer behavior problems than children in cohabiting two-parent families (McLanahan & Sandefur, 1994). However, the bulk of research

WHAT IS THE FORMAT OF THE LITERATURE REVIEW?

A Research Agenda for Online Teacher Professional Development

Chris Dede
Diane Jess Kelleher
Patricia Whitehouse
Lisa Brink
Erin M. McCloskey
Harvard Graduate School of Education

This article highlights key online teacher professional development (OTPD) areas in need of research based on a review of current OTPD research conducted in conjunction with an OTPD conference held at Harvard University in fall 2009. The literature review of this field documents multi-year, but as-needed, developing professional development programs or "micro bursts" online providing full details of the participants, setting, research questions, methods of data collection, or analysis strategies. Until more rigorous OTPD research is conducted, developers are hard pressed to know the best design features to include, educators remain uncertain about which programs will help support teacher change and student learning, and leaders lack sufficient guidelines for when to invest their support. The authors believe that the recommendations in this article for a research agenda will guide OTPD scholarship toward an evidence-based conceptual framework that provides robust explanatory power for theory and model building.

Keywords: research agenda; online learning; teacher professional development; technology

The Importance of Online Professional Development

In an era of school reform, many consider the education and professional development of teachers as the key to educational improvement (Hoxby & Koles, 1998). Sparked by a need to meet the student achievement goals established by the Elementary and Secondary Education Act reauthorization and the No Child Left Behind legislation, a plethora of professional development programs have arisen, such that administrators have added workshops devoted to professional development to the school calendar. But this improvement comes at a price in resources and time. During the

also need to be sure that time, effort, and scarce resources are expended only on quality programs that reach both and almost best practices.

Author's Note: This material is based on work supported by the National Science Foundation under Grant No. 0114202. Any views, findings, conclusions, or recommendations expressed herein are those of the authors and do not necessarily reflect the views of the National Science Foundation.

We thank the following people for their critical review of the ideas presented in an earlier draft of this research agenda. They are both detailed and insightful comment that have made the ideas in this article richer and more representative of the thinking of the OTPD community. We would like to graciously acknowledge their contribution to it and thank them.

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Stand alone article

Standalone Review Paper

STANDALONE REVIEW PAPER

Introduction

- profile of the study

Define or identify the general topic to provide the context for reviewing the literature

Outline why the topic is important

Identify overall trends in what has been published about the topic

Identify conflicts in theory, methodology, evidence, and conclusions

Identify gaps in research and scholarship

Explain the criteria to be used in analysing and comparing the literature

Describe the organization of the review (the sequence)

If necessary, state why certain literature is or is not included (scope)

Body

- summative, comparative, and evaluative discussion of literature reviewed

For a thematic review:

organize the review into paragraphs that present themes and identify trends relevant to your topic

each paragraph should deal with a different theme - you need to synthesize several of your readings into each paragraph in such a way that there is a clear connection between the sources
don't try to list all the materials you have identified in your literature search

Conclusion

From each of the section summaries:
summarize the main agreements and disagreements in the literature
summarize the general conclusions that have been drawn
establish where your own research fits in the context of the existing literature



HOW DO I RECORD THE REFERENCES?

- Reference Management Tools
 - Free and Open
 - Mendeley
 - Zotero
 - Proprietary
 - EndNote
 - RefWorks

ASSIGNMENT I

- Create a concept map of your research topic and submit via google form <https://forms.gle/Z9sZzMz9LCKser2p9> - last date - **20th October 2022 5pm**

5 marks



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Criterion- V

Metric - 5.1.3

**WE WILL CONTINUE TOMORROW
WITH APA CITATION STYLE**

Thank you

**NLIST PROGRAMME E-
RESOURCES**

Dr. Varsha Kanabar
Librarian, VSC



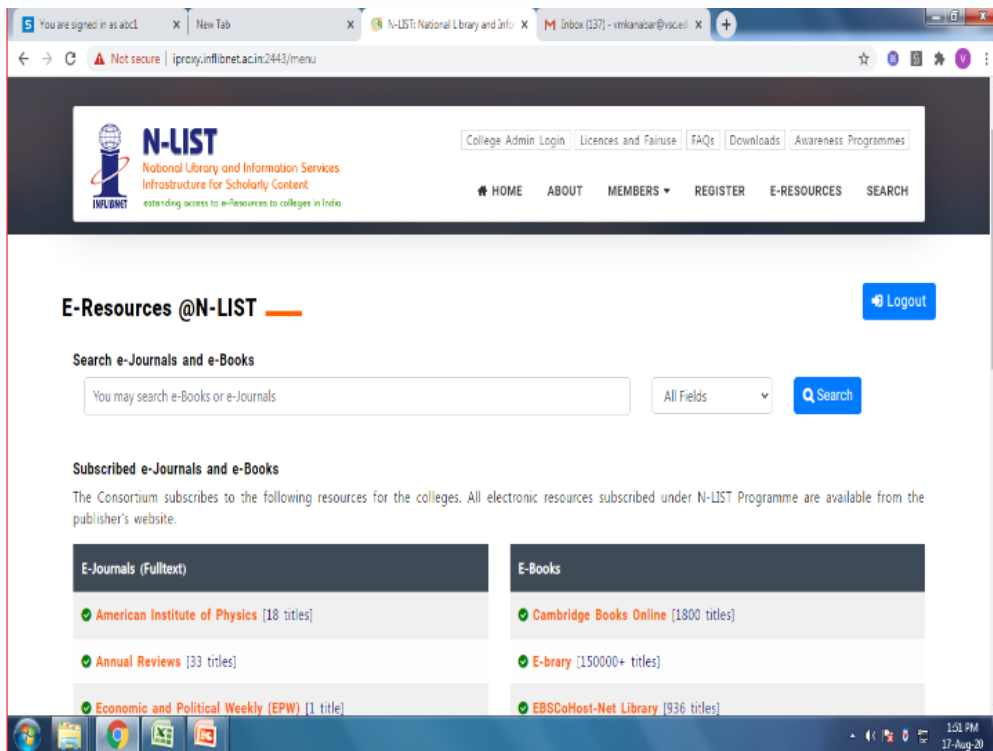
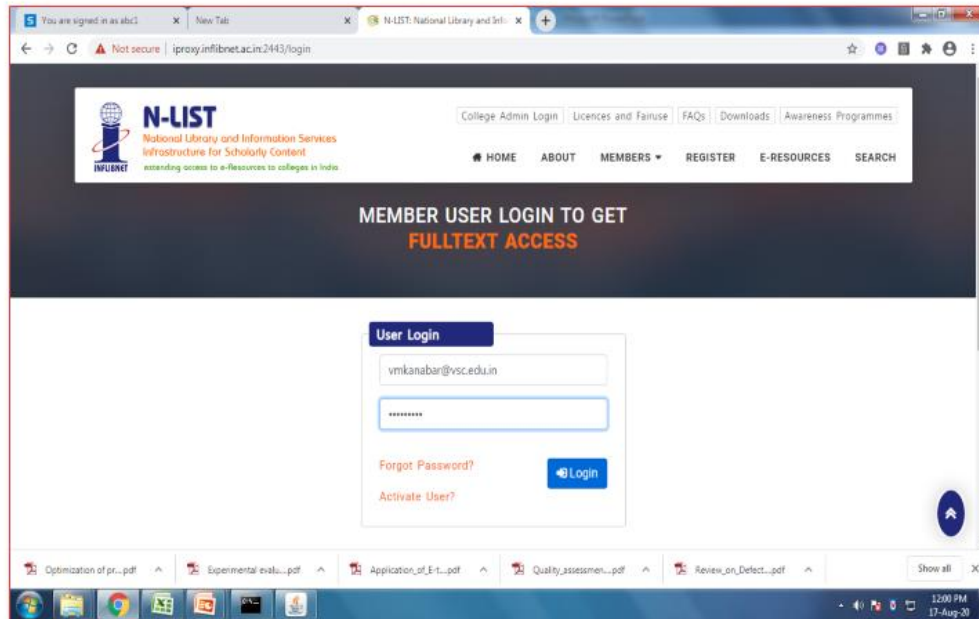
NLIST Programme E-resources

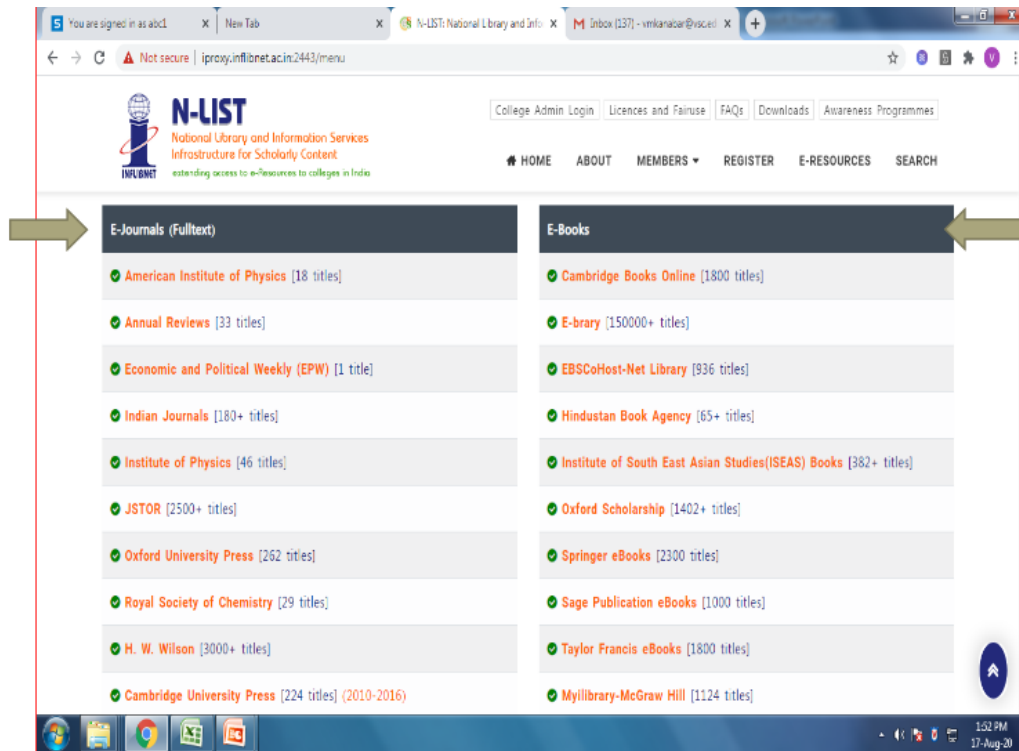
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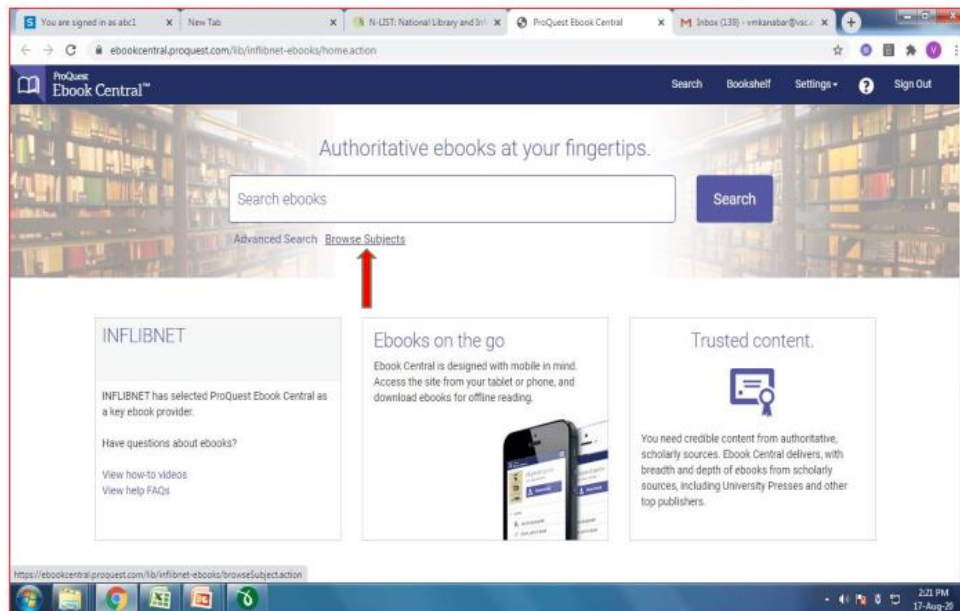


N-LIST LOGIN





E-BOOKS SEARCH (E-BRARY)



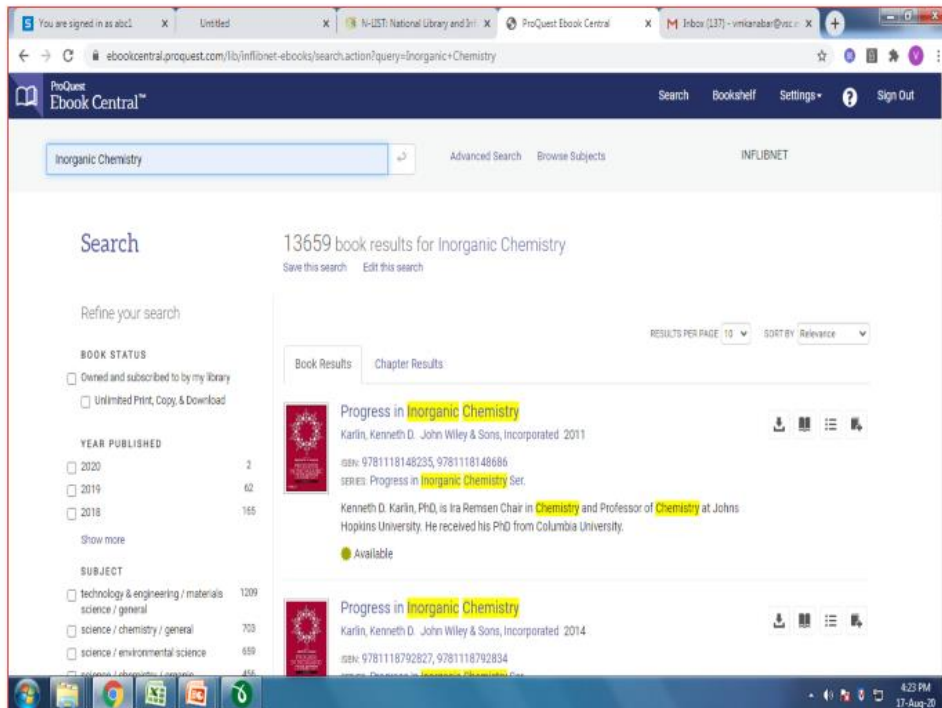
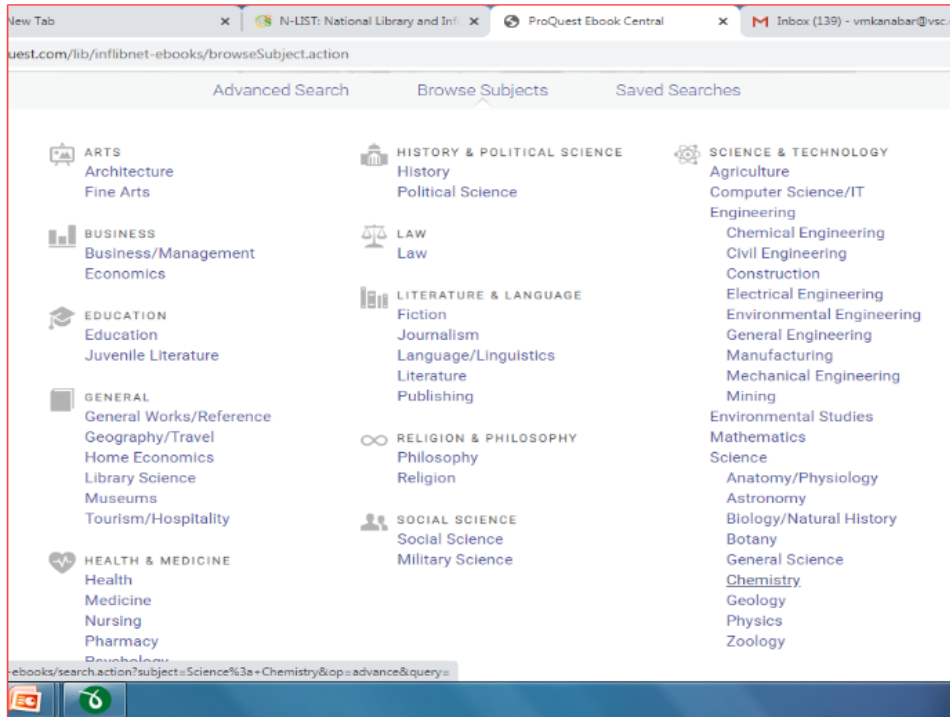


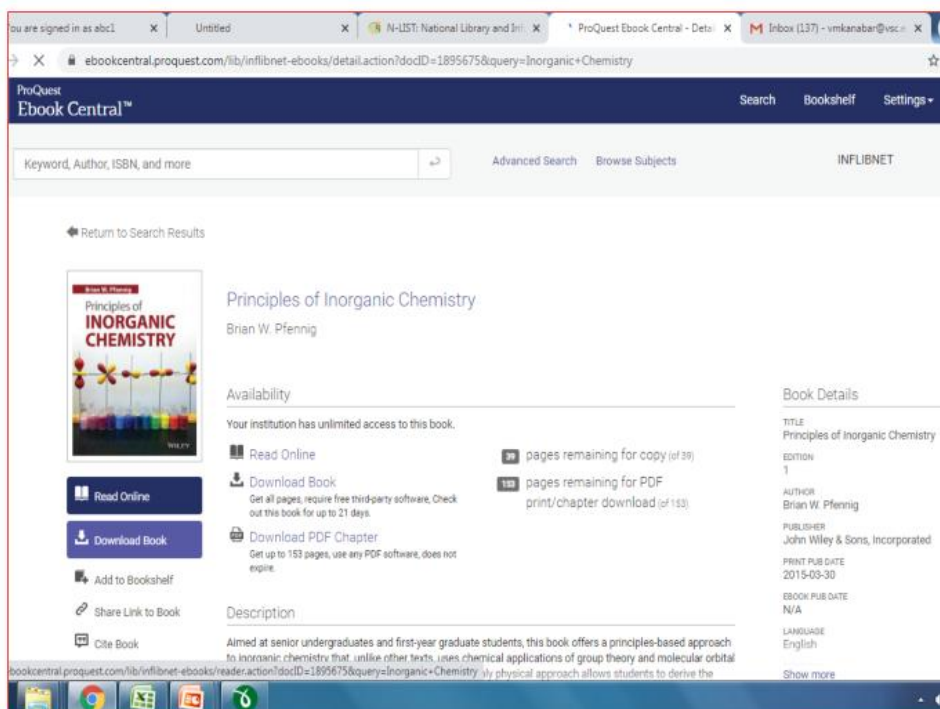
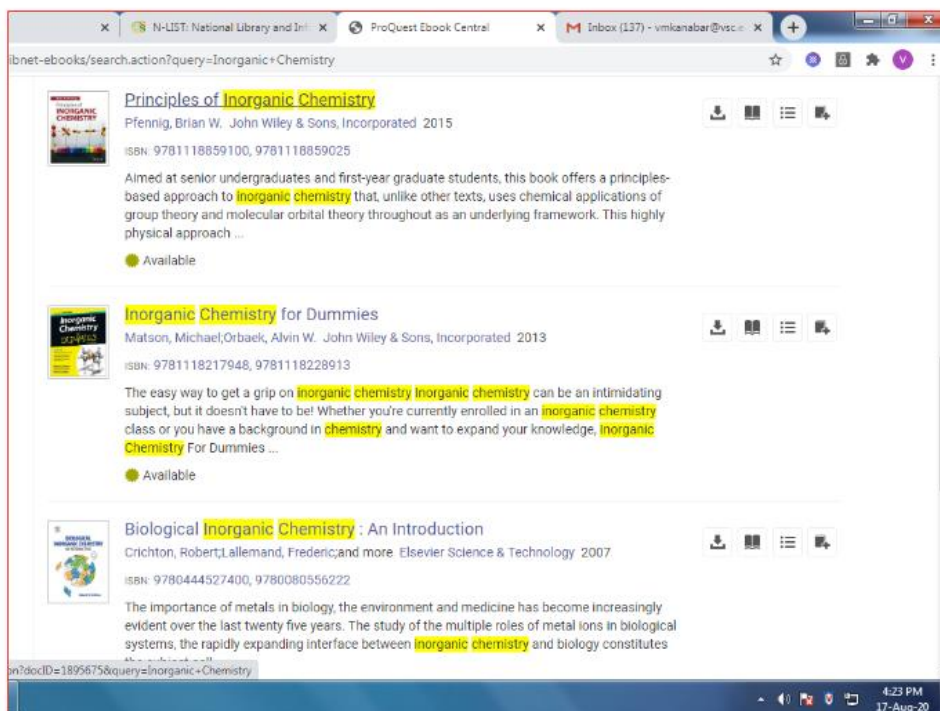
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The screenshot shows the ProQuest Ebook Central search results page. The search query is 'Inorganic+Chemistry'. The results list 135 results for 'Inorganic Chemistry'. The book 'Principles of Inorganic Chemistry' by Brian W. Pfennig is highlighted. The book cover features the title in large red letters and a molecular model with red and yellow spheres.

The screenshot shows the Table of Contents page for 'Principles of Inorganic Chemistry' by Brian W. Pfennig. The table of contents lists the following sections:

Section	Pages	Download PDF	Read Online
Front Cover	pp Intro-iv, 6 pages	Download PDF	Read Online
Contents	pp v-x, 6 pages	Download PDF	Read Online
Preface	pp xi-xiv, 4 pages	Download PDF	Read Online
Acknowledgments	pp xv-728, 731 pages	Download PDF	Read Online
Index	pp 729-741, 13 pages	Download PDF	Read Online
Commonly Used Correlation Tables	pp 742-742, 1 page	Download PDF	Read Online
1	pp 1-14, 14 pages	Download PDF	Read Online
2	pp 15-40, 26 pages	Download PDF	Read Online
3	pp 41-80, 40 pages	Download PDF	Read Online

The author's bio and social media information are also visible on the right side of the page.

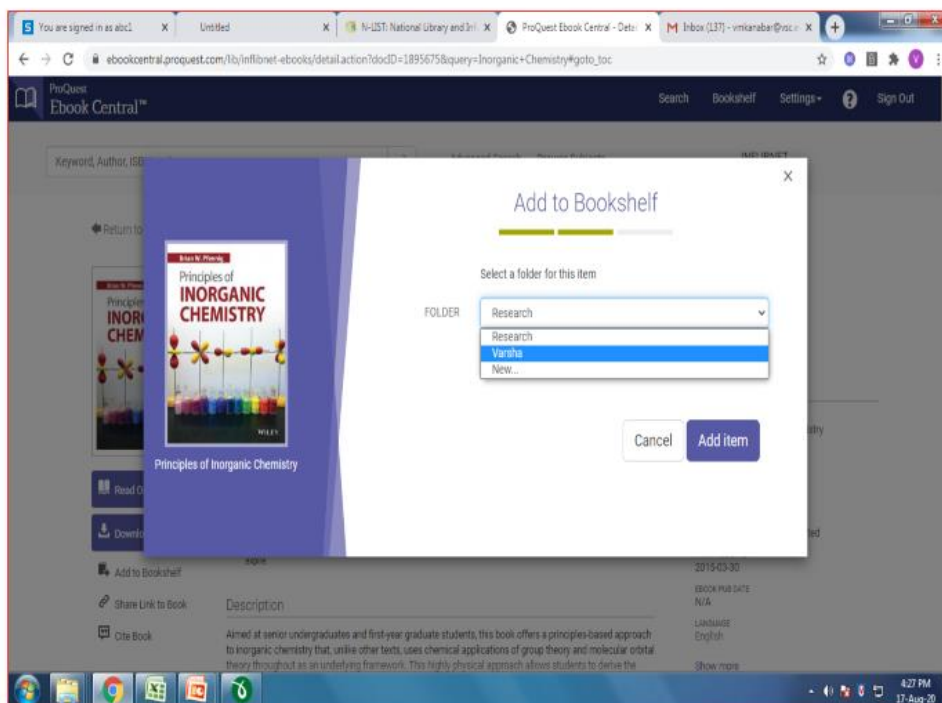
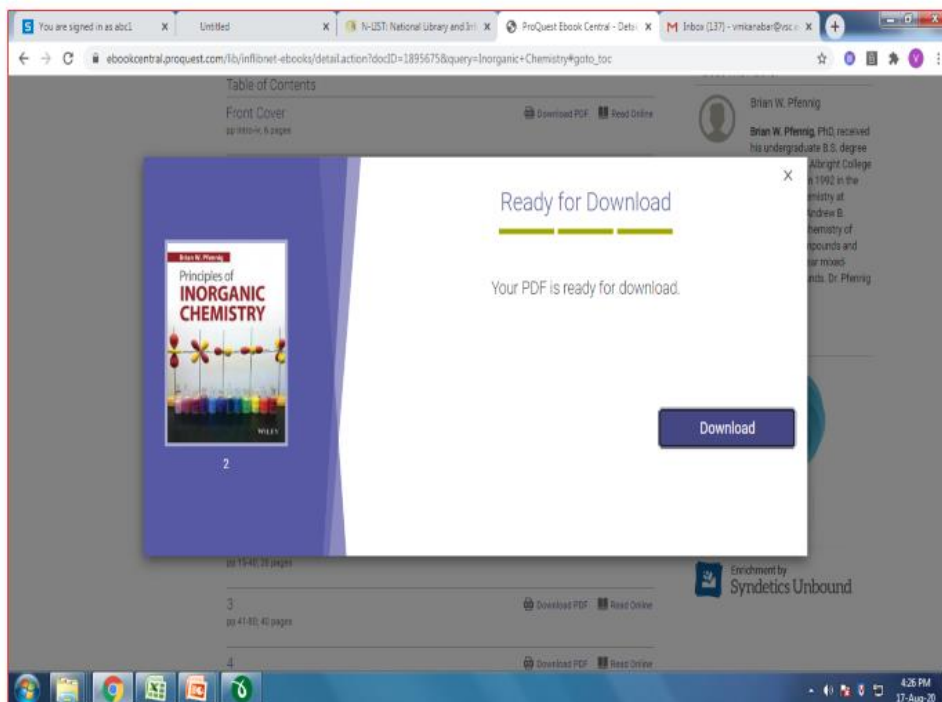


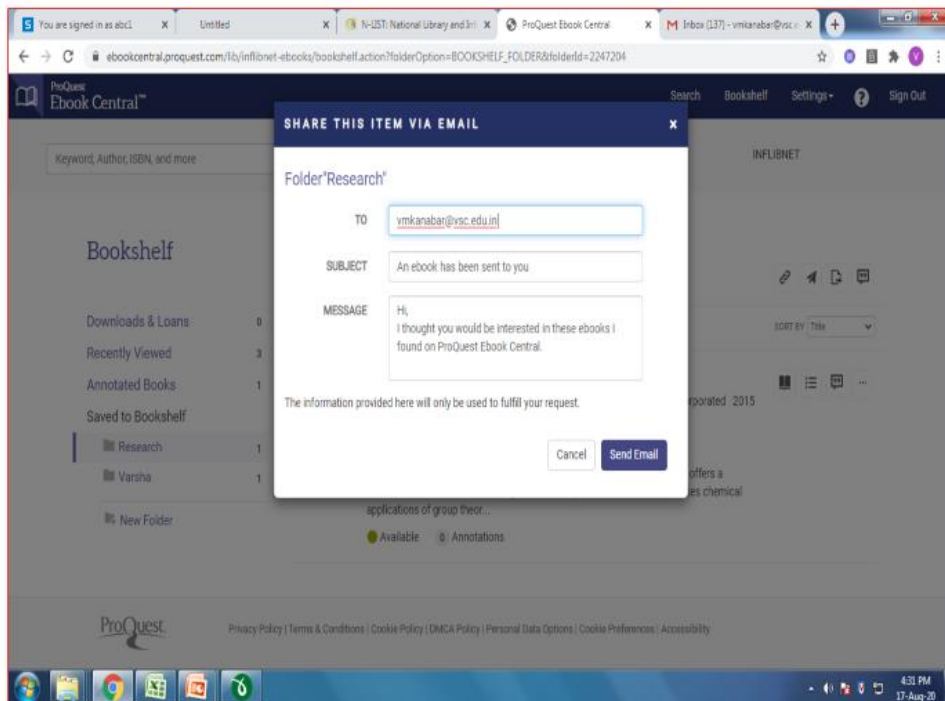
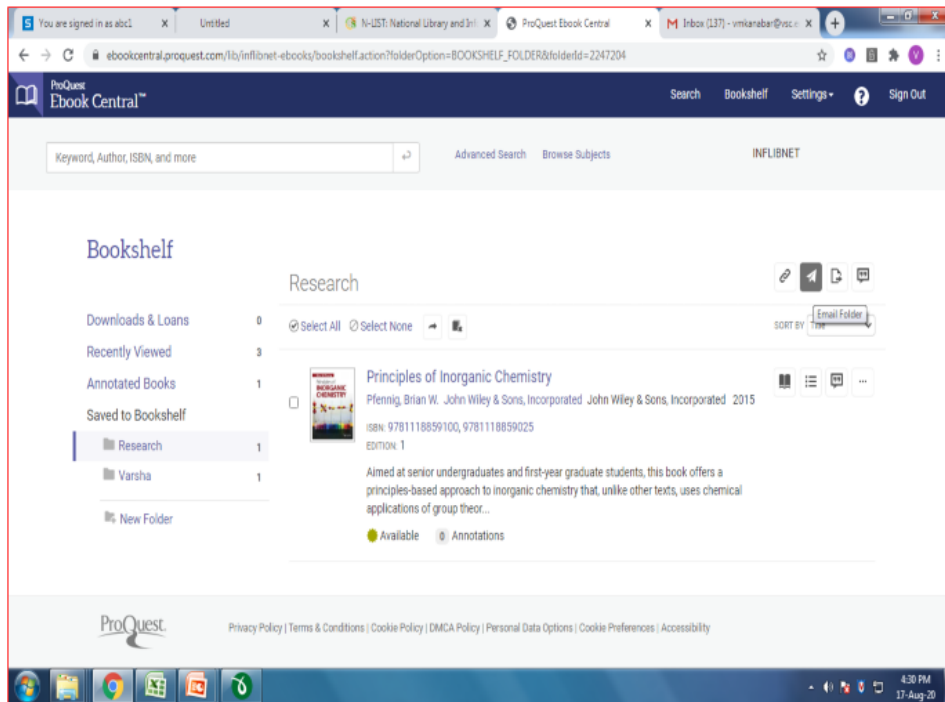
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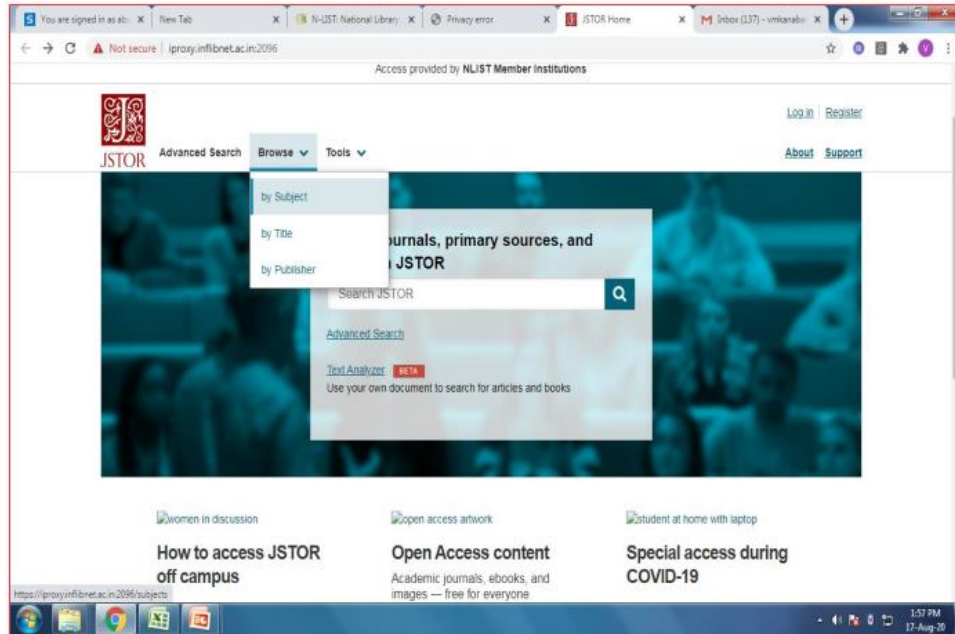
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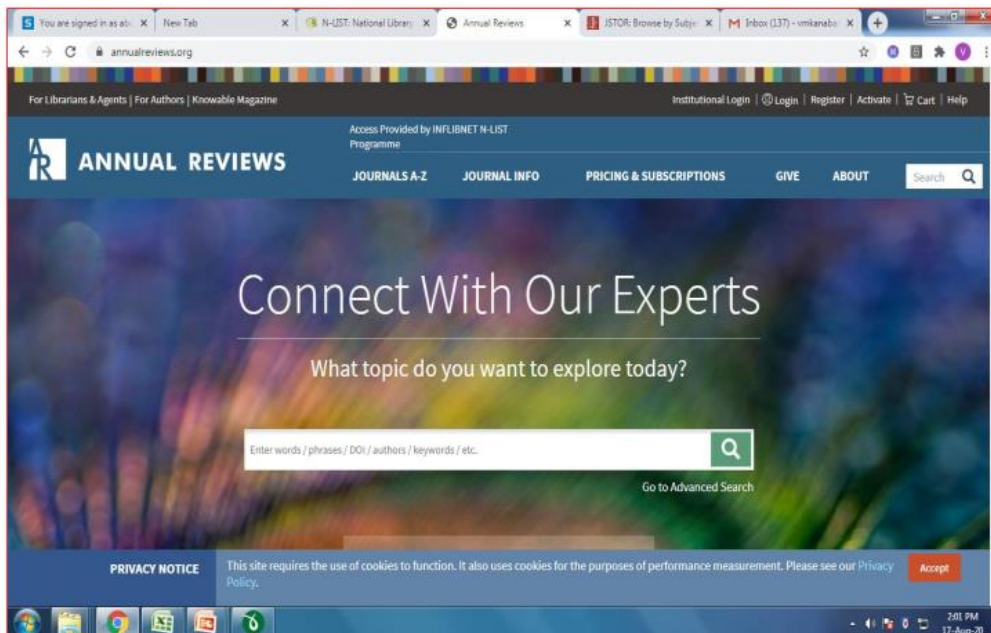
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JSTOR



ANNUAL REVIEWS





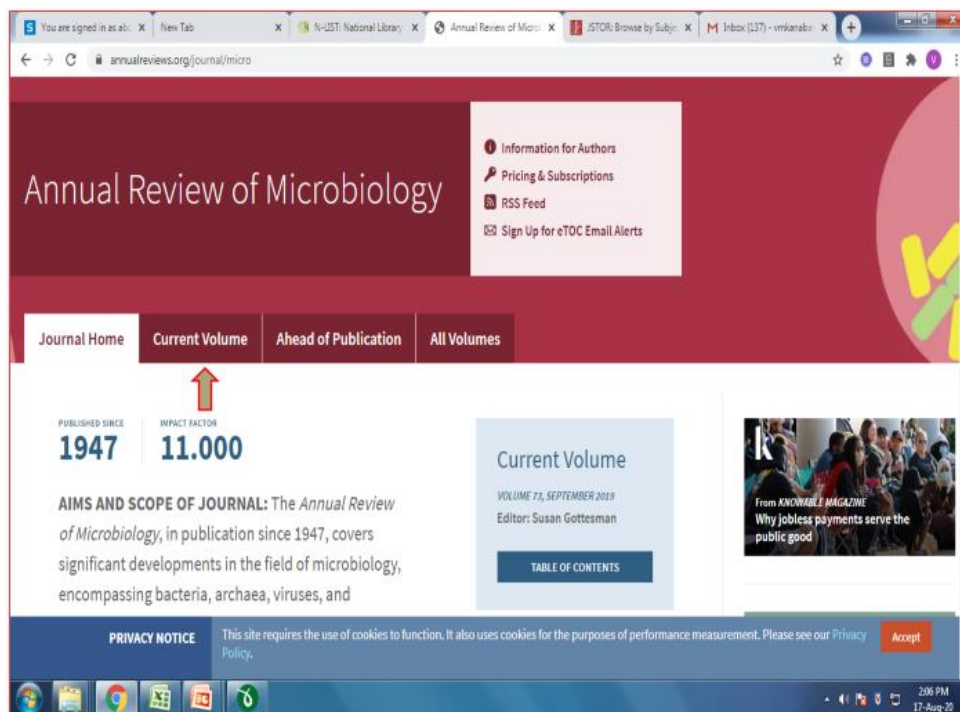
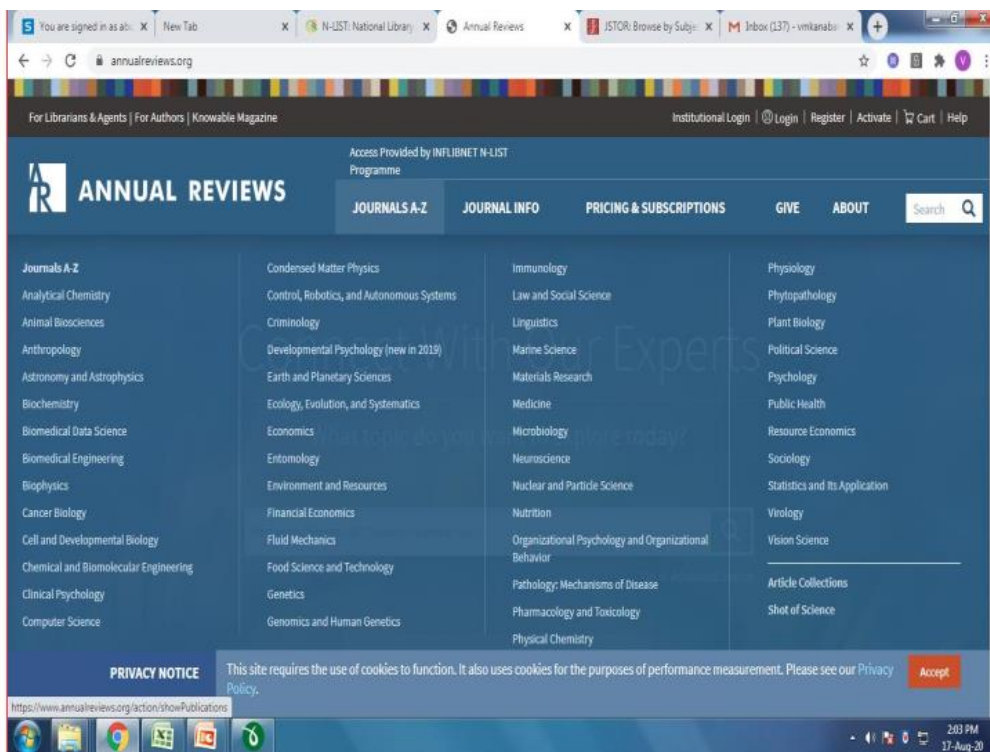
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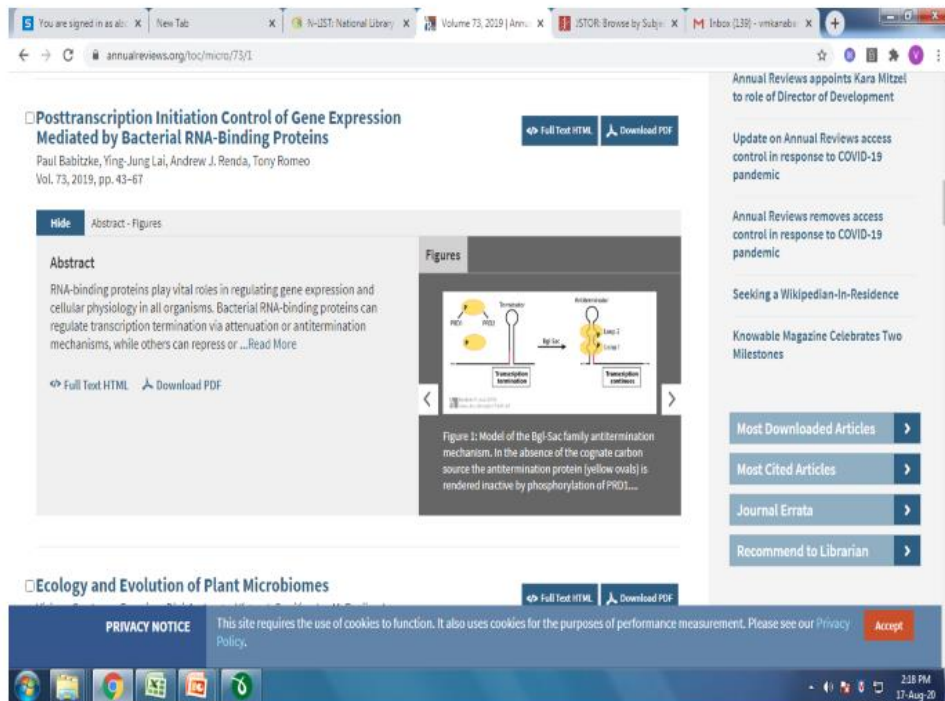
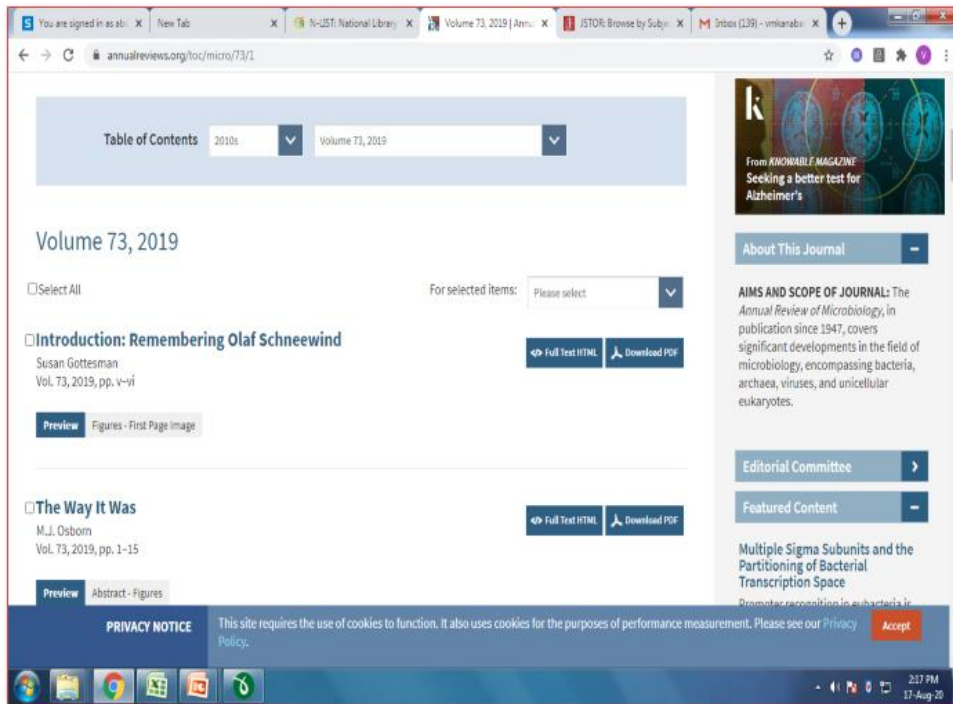
Metric - 5.1.3





The screenshot shows the 'Table of Contents' section for Volume 73, 2019. A dropdown menu is open for the year, showing options from 1940s to 2010s. The article 'Introduction: Remembering Olaf Schneewind' by Susan Gottesman is highlighted. The page also features a 'Privacy Notice' banner at the bottom.

The screenshot shows the 'Table of Contents' section for Volume 73, 2019. A dropdown menu is open for the volume, showing options from Volume 64, 2010 to Volume 73, 2019. The article 'Introduction: Remembering Olaf Schneewind' by Susan Gottesman is highlighted. The page also features a 'Privacy Notice' banner at the bottom.





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10.1146/annurev-micro-020518-115907

ANNUAL REVIEWS

Annual Review of Microbiology
**Posttranscription Initiation
Control of Gene Expression
Mediated by Bacterial
RNA-Binding Proteins**

Paul Babitzke,¹ Ying-Jung Lai,² Andrew J. Renda,¹
and Tony Romeo²

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tromeo@ufl.edu

Annu. Rev. Microbiol. 2019. 73:43–67
First published as a Review in Advance on
May 17, 2019
The *Annual Review of Microbiology* is online at
micro.annualreviews.org
<https://doi.org/10.1146/annurev-micro-020518-115907>

Keywords
RNA-binding protein, gene regulation, attenuation, antitermination,
translation, sRNA

Abstract
RNA-binding proteins play vital roles in regulating gene expression and cellular physiology in all organisms. Bacterial RNA-binding proteins can reg-

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