

## RSC Virtual Library

Nazma Masud  
RSC Library and Information Centre (LIC)  
020 7 440 3373  
www.rsc.org/library  
email: library@rsc.org  
Office hours 9.30-5.30

## RSC Virtual Library

- Importance to members
- Content
- Access
- The resources
  
- Brief summary of other services

## Why use the Virtual Library?

- Reliable information
- Free of charge to members
- Unlimited 24/7 global access
- Tools for quick optimised retrieval
- Extensive chemical sciences coverage
  
- Assistance from:
  - Library and Information Centre staff
  - Help Pages

## Virtual Library Resources

- NetLibrary
  - 100 latest full-text chemistry books
- Knovel
  - Hundreds of full-text chemistry and science books
- Referex Chem – Elsevier
  - 100 chemistry and chemical engineering books
- Engineering Village
  - Abstracts databases: CBNB, Chimica
- Springer
  - The full text of 127 e-journals and 500 e-books from 2005 onwards
- EBSCO
  - Business, environmental and science abstracts

## Accessing the Virtual Library

1. RSC Library home page:  
<http://www.rsc.org/library>
2. Link: RSC Virtual Library
3. Click on the resource
4. Enter username & password; preset to your RSC membership number and date of birth (YYYYMMDD) respectively
5. 'Search' button
6. Or bookmark [www.rsc.org/virtuallibrary](http://www.rsc.org/virtuallibrary) and follow steps 3-5

## Knovel Features

- Hundreds of full-text e-books
  - databooks, encyclopaedia, text books, dictionaries
- Wide subject coverage
  - polymers, environment, toxicology, food, metals
- Advanced searching for indexed chemical properties
- Data mining features – tables, graph plotters etc.
- Multiple export options – automatic citation

*Please note that members ONLY have access to the resources in My Subscription*

## Word Searching

- Phrase searching e.g. "global warming"
- Adjacent word searching
- Keywords linkable with Boolean operators
- Limited synonyms (chemical names, US/UK spellings)
- Truncation available (e.g. pollut\*)
- Restriction of search to bibliographic parts (e.g. title, table of contents)
- Searchable by molecular formula/CAS No

## Advanced Searching

- Numerical property searching
  - Advanced search
  - Indexed terms; 'Categories' & 'Field Names'
  - Numeric property search construction
- Knovel Tables
  - Spreadsheet options
    - Find, sort, unit converter, filter, etc.

## Equation Plotter

- Example; 'vapour pressure of phenol'
  - Advanced search construction
  - Equation plotter
  - Data export

## Engineering Village

- Search platform for Elsevier abstracts databases comprises:
- Chimica:
  - Bibliographic database with abstracts
    - Applied, analytical, organic and inorganic chemistry and chemical engineering
    - Analytical function
- Chemical Business NewsBase
  - Worldwide chemistry business news database

## NetLibrary

- 100 popular chemical science e-books
- User friendly search interface
- Titles include:
  - Chemical Concepts in Pollutant Behavior
  - Environmental Organic Chemistry
  - Organic and Inorganic Nanostructures
- Thousands of literary classics e.g. Moby Dick, Wuthering Heights

## Referex Chem

- 243 specialised Chemical, Petrochemical and Process Engineering e-books
- User friendly search interface
- Titles include:
  - Bretherick's Handbook of Reactive Chemical Hazards
  - Fischer-Tropsch Synthesis, Catalyst and Catalysis
  - Functional Dyes
  - Reaction Engineering for Pollution Prevention

## SpringerLink

- 500 full-text e-books
  - Chemoinformatics
  - Creative Chemical Sensor Systems
  - Smart Colloidal Materials
- 127 full text e-journals in Chemistry and Materials
  - Doklady Chemistry
  - Journal of Polymers and the Environment
  - Catalysis Letters

## EBSCO

Searchable abstracts databases with export and alert facilities and full text

- Environment Complete
  - Global coverage of environmental issues
  - Thesaurus for consistent retrieval
- Business Source Corporate
  - Datamonitor company and industry profiles
  - Country reports, SWOT analyses
- Current Abstracts
  - Chemical and general sciences
- TOC Premier
  - Tables of contents of 26,000 journals with alert facility

## More remote full-text resources

- Royal Society of Chemistry  
<http://www.rsc.org/Publishing/Journals>

Send requests to [library@rsc.org](mailto:library@rsc.org) to receive FREE:

- journal articles from Elsevier
- ScienceDirect password
  - For access to :
    - selected 15 current journals
    - archived back file of 108 journals
    - 304 e-books
- journal articles and book chapters from Wiley

## LIC - members' chemical sciences information support service

[library@rsc.org](mailto:library@rsc.org)

## RSC Library Services

- Chemical Enquiries Help Desk
  - Free of charge, confidential information service
  - 48 hour response
  - Supported by premium chemical information resources
- Online search service
  - Expertise in prior art structure searches using e.g. Chemical Abstracts and Marpat
- Historical chemical information
  - Archive of >3,500 historical books 8,000 images (2,000 digitised on web)

## RSC Library Resources

- Frequently used resources
  - 30 years of Chemical Abstracts
  - RSC journals archive (1841-1996)
  - EMBASE
  - Web of Science (1993-present)
  - Scopus (1960-present)
  - Virtual Library
- Historical chemical information
  - Archive of >3,500 historical books 8,000 images (2,000 digitised on web)

## Chemical Enquiry Helpdesk: typical topics

- Preparations/syntheses
- Process chemistry/engineering
- Analytical chemistry and techniques
- Chemical data
- Chemical structures
- Sources of chemicals - worldwide
- Company and financial data
- Marketing information and trends

RSC Advancing the Chemical Sciences

## Specialised Resources

- Analysis
  - Analytical Abstracts
- Life Sciences
  - Embase
  - Medline
- Chemical Industry
  - (RAPRA)
  - Colour Index online

RSC Advancing the Chemical Sciences

The screenshot shows the RSC Virtual Library homepage. It features a navigation bar with 'Home', 'Library', and 'For Researchers'. The main content area is divided into several sections: 'For Researchers' with links to 'Get ahead with LC', 'Free Chemical Information on the Web', 'Free chemical information resource of the month', 'Chemical Enquiry of the month', and 'For Researchers'; 'Member benefits from the LRC' with 'Free full-text e-journals and a double issue of Catalyst' and 'Full-text free Wiley and Elsevier'; 'Systems e-content' with 'Reference Chem' and 'Free Virtual Library Workshops for RSC Members'; 'Chemical Enquiry Helpdesk' with 'Helpdesk' and 'Helpdesk' links; and 'STARLIMS' with '100% Web-based LIMS'. There are also several promotional banners for 'Reference Chem', 'Wiley', and 'Elsevier'.

The screenshot shows the RSC Library and Information Centre homepage. It features a navigation bar with 'Home', 'Library', and 'For Researchers'. The main content area is divided into several sections: 'Main Links' with 'About the Library & Information Centre', 'For Researchers', 'Member Remote Access', 'Virtual Library', 'Further Information', and 'Contact'; 'Free Chemical Information on the Web' with a list of resources including 'Analytical Chemistry', 'Biomedical/Environmental', 'Chemical business, buyers and suppliers', 'Chemical Data and Structures', 'Chemical Engineering', 'Chemists' Pubs/Books and Journals', 'Historical Chemistry - Biographies/Obituaries', 'Historical Chemistry - Full Text and Miscellaneous Sites', and 'Major Chemical Information Resources'; 'RSC quicklinks' with 'Want information on...', 'Information for...', 'I am interested in...', and 'Selected a product...'; and 'Contact and Further Information' with 'Library & Information Centre' and 'RSC Society of Chemistry, Burlington House, Piccadilly, London W1J 0BA'. There are also several promotional banners for 'Reference Chem', 'Wiley', and 'Elsevier'.

## RSC Virtual Library

FREE 24/7 globally accessible resources extensively covering the chemical sciences

- e-books - NetLibrary, Referex, Knovel and Springer
  - Quick quantitative/qualitative data
- e-journals and abstracts databases
  - Engineering Village
  - EBSCO
  - Springer

RSC Advancing the Chemical Sciences