

# Resources for Pharmacy and Chemistry

Contact details for further help are at the end of this guide.

The resources in this guide will help you learn more about your subject. The best place to start your search is **Discover**, which provides you with easy access to thousands of books, eBooks, journal articles and much more. You can access Discover and other key resources via the Library website, LJMU student homepage and MyLJMU portal.

Remember, your modules also have reading lists in Canvas with links to recommended books, eBooks, journal articles and other subject resources.

## Books and eBooks

There is an extensive collection of books and eBooks on all aspects of Pharmacy and Chemistry. You can browse what is available in your subject area or look for specific titles by searching **Discover**.

- Go to **Discover**, if prompted, **Sign in** with your **LJMU username@ljmu.ac.uk** and **password**
- Type a book title or keywords and select the search icon
- From the results screen, you can filter your results by selecting **Books**
- Select a book title to see more details and availability
- eBooks will have links to view online
- Print books will show number of copies and location

Print books have a class number and are organised numerically by that number on the shelves. Common class numbers are shown below:

Analytical Chemistry	543
Antibiotics	615.329
Biochemistry	572
Chemistry	540
Histology	571.15, 611.018
Human Anatomy	611

Human Immunology	616.079
Human Pathology	616.07
Human Physiology	612
Inorganic Chemistry	546
Microbiology	579, 616.01
Organic Chemistry	547
Pharmaceutical Calculations	615.14
Pharmaceutical Chemistry	615.19
Pharmacodynamics and Pharmacokinetics	615.7
Pharmacology and Therapeutics	615
Pharmacy Law	344.04
Pharmacy Practice and Drugs	615.1
Physical Chemistry	541
Toxicology	571.95, 615.9

## Journals

Journals are published on a regular basis and contain up-to-date information. Journals contain articles focussing on specific topics written by subject specialists.

To find individual journal titles on your subject area:

- Go to **Discover**, if prompted, **Sign in** with your **LJMU username@ljmu.ac.uk** and **password**
- Select the **Journals** option
- Type a journal title you wish to access and select the search icon
- Select a journal title to see more details and availability
- eJournals will have links to view online
- Print journals will show number of issues and location

A selection of journals on Pharmacy and Chemistry are shown below:

Advanced Drug Delivery Reviews

Chemical Communications

Chemical Research in Toxicology

Chemical Reviews

Drug Development and Industrial Pharmacy

International Journal of Pharmacy Practice

Journal of Clinical Pharmacy and Therapeutics  
Journal of Controlled Release  
Journal of Infectious Diseases  
Journal of Materials Chemistry: A, B and C  
Journal of Medicinal Chemistry  
Journal of Pharmaceutical Science and Technology (PDA)  
Journal of Pharmacy and Pharmacology  
Journal of Pharmacy Practice  
Lancet  
Molecular Biosystems  
Molecular Pharmaceutics  
New England Journal of Medicine  
Organic and Biomolecular Chemistry  
Pharmaceutical Research  
Prescriber  
The Pharmaceutical Journal  
Trends in Pharmacological Sciences  
Toxicology Research

## Databases

You can search for journal articles using **Discover** or via individual databases. There are different types of databases. For example:

- **Full-text databases** provide access to full-text information such as journal articles, reports, book chapters, newspaper articles, etc.
- **Abstracting and Indexing Databases** are searchable indexes, you can view the abstract or summary for each resource. If full-text is available follow the link, if not you can request an **Inter-library loan**.

To access a database:

- Go to **Discover**, if prompted, **Sign in** with your **LJMU username@ljmu.ac.uk** and **password**
- Select the **Databases** option
- Select **Pharmacy** or **Chemistry** to see suggested databases or type the name of the database in the search box and select the **search icon**
- Select the database title to see more details and note any log-in requirements

- Select the database link

## Academic Full-text Databases

### BoB (Box of Broadcasts)

Box of Broadcasts (BoB) gives you access to an archive of over one million TV and radio programmes from 2007 onwards, including all the main free-to-air TV channels. You can link, make short clips and playlists of content.

### Cochrane Library

A collection of databases that contain different types of high quality, independent evidence to inform healthcare decision-making. Includes Cochrane Database of Systematic Reviews (CDSR), Cochrane Central Register of Controlled Trials (CENTRAL) and Clinical Answers (CCAs).

### Henry Stewart Talks: Biomedical & Life Sciences Collection

A unique collection of audio-visual lectures, seminar-style talks, and case studies prepared by leading experts and practitioners. Content covers multidisciplinary topics such as agriculture and environmental sciences, biochemistry, cancer, cell biology, drug discovery, diseases and disorders, genetics, immunology, microbiology, neuroscience, pharmaceutical sciences, reproduction and development, virology and more.

### Medline

An authoritative collection of medicine, life sciences, health and biomedical research provided by the US National Library of Medicine. It contains 31 million references from 5,200 international scholarly journals dated from 1946 and content is updated daily. Medline also offers an alternative method of searching via MeSH (Medical Subject Headings).

### ProQuest Central

ProQuest Central provides access to databases across all major subject areas and includes thousands of full-text scholarly journals, trade and professional titles, newspapers, magazines, dissertations, working papers, case studies, and market reports.

### ScienceDirect

The world's leading source for scientific, technical, and medical research. It is a multidisciplinary database, which provides full-text access to more than 16 million references from over 2,500 high-quality journals and over 39,000 books and major reference works. Digital archive dates back to 1823.

### Taylor and Francis

A multidisciplinary database providing full-text access to quality, peer-reviewed journals published by Taylor & Francis, Routledge and Psychology Press.

### Wiley Online Library

A multi-disciplinary database providing access to over 4 million articles from 1,600 journals, online book chapters and eBooks published by Wiley.

## Academic Abstracting and Indexing Databases

### Analytical Abstracts

A premier current awareness service and index from the Royal Society of Chemistry covering the latest research in the analytical sciences. It contains article abstracts and details of analyte, matrix and technique. Content covers a wide range of topic areas from materials science to food analysis, and from pharmacology to environmental monitoring.

### Annual Reviews

Provides access to comprehensive, timely collections of critical reviews written by leading scientists. Content spans disciplines within biomedical and life sciences, physical and engineering sciences, social sciences and economics.

### Biosis Previews

An extensive index of life sciences, biological and biomedical research, which covers pre-clinical and experimental research, methods and instrumentation, animal studies and much more.

### Scopus

Multi-disciplinary abstract and citation database of peer-reviewed literature: journals, books and conference proceedings, many with links to full text.

### Web of Science

A powerful research platform and global citation index including over 161 million records for books, peer-reviewed scholarly journals, and conference proceedings across 254 disciplines. It includes access to the Arts and Humanities Citation Index (1975- ), Science Citation Index Expanded (1970- ), Social Sciences Citation Index Expanded (1970- ). It also contains citation data, for example, journal impact factors and h-index to help you identify quality research.

### Zetoc

Zetoc Search offers access to the contents pages of more than 39,500 current journals and 65.5 million article citations and conference papers dating back to 1993. The database is updated daily. Zetoc Alert is a current awareness service, which sends email alerts matching your search criteria whenever new records are added to the database.

You can check if LJMU has access to full-text by clicking on the **Full Text** icon within the database, this will check our other collections and direct you to any available full-text.

## Technical and professional databases

The following databases provide access to key technical and professional resources.

### American Chemical Society

A collection of peer-reviewed journals and magazines from the American Chemical Society.

### British Pharmacopoeia (BP)

A comprehensive collection of authoritative and official standards for medicinal products and pharmaceutical substances in the United Kingdom. It includes general notices for dosage forms and specific monographs which provide mandatory standards for active pharmaceutical ingredients (APIs), excipients, formulated preparations, herbal drugs and more.

### Combined Chemical Dictionary (from CHEMnetBASE)

Spanning the breadth of chemistry, this database provides access to chemical, physical and structural data on organic compounds, natural products, inorganic and organometallic compounds, and drugs.

### Dictionary of Natural Products (from CHEMnetBASE)

A comprehensive structure database of natural products, which is continually reviewed and updated to keep pace with current literature. Each natural product is linked via the species name to Catalog of Life at: [www.catalogueoflife.org](http://www.catalogueoflife.org) and offers authoritative taxonomic information.

### European Pharmacopoeia (Ph.Eur)

The official collection of standards for medicinal products and pharmaceutical substances in the European Union. Electronic access to selected Ph.Eur content is available within the BP online database.

### Medicines Complete

A leading Pharmacy database which provides access to key reference texts/eBooks such as British National Formulary (BNF), Clarke's Analysis of Drugs and Poisons, Martindale: The Complete Drug Reference, Stockley's Drug Interactions and more.

### Reaxys

A premier chemical information platform designed to support the full range of chemistry research, including pharmaceutical development and material science. It includes more than 105 million organic, inorganic and organometallic compounds, and over 42 million chemical reactions from 16,000+ periodicals; as well as property, methods, reaction and synthesis data.

### Royal Society of Chemistry

A key collection of peer-reviewed journals from the Royal Society of Chemistry that cover the core chemical sciences, including related fields such as biology, biophysics, energy and environment, engineering, materials, medicine and physics.

### CAS SciFinder

A powerful research discovery tool provided by the Chemical Abstracts Service (CAS). It includes 52 million+ references to peer-reviewed and high-quality literature, more than 161 million organic and inorganic substances, over 126 million reactions and synthetic preparations, as well as property data, regulatory information, Markush representations and more. Please Note: You need to register for a personal account to access the SciFinder Scholar database.

### The Merck Index

An authoritative and reliable source of biological, chemical and drug information from the Royal Society of Chemistry.

### United States Pharmacopeia (USP) and the National Formulary (NF)

A comprehensive collection of authoritative and official standards for medicinal products and pharmaceutical substances in the United States.

## Legal databases

The following databases provide access to cases, legislation, law reports, journals, guidance and newspapers.

### Lexis+ Library

Access to up-to-date legislation, case law, commentary and full-text and abstract of a wide range of legal journal articles. The News tab contains an archive of UK national and regional newspapers, with coverage from the 1990s up to the present day.

### Westlaw UK

Access to up-to-date legislation, case law, commentary and full-text and abstract of a wide range of legal journal articles.

## Statistics, social and business data databases

The following databases offer statistical evidence and reports including social and economic data.

### UK Data Service

The UK's largest collection of social, economic and population data resource, including UK census data and government funded surveys as well as qualitative and business data.

## Websites

The content of websites is unregulated. Therefore, it is important that you check the quality and accuracy of information on the internet to ensure that it is reliable, accurate and of an academic standard. There are selected websites or search engines that you can use to help find appropriate information online, for example Google Scholar. If you find details for a relevant resource on the internet, you can check if LJMU has full-text access.

A selection of useful websites and search engines are shown below:

### BioMed Central

BioMed Central is a useful resource which provides access to free peer-reviewed scientific articles in all areas of medical research and biology. BioMed Central is available at:

<http://www.biomedcentral.com/>

### ChemSpider

ChemSpider is a free chemical structure database providing fast text and structure access to over 30 million structures from hundreds of data sources. ChemSpider is available at: <http://www.chemspider.com/>

### eMC (The electronic Medicines Compendium)

eMC contains up to date, easily accessible information about medicines licensed for use in the UK. eMC content is checked and approved by either the UK (MHRA) or European (EMA) government agencies which license medicines. eMC is available at: <http://www.medicines.org.uk/emc/>

### Google Scholar

A large search engine which provides access to scholarly information and includes links to selected full-text from LJMU's resources. Access to LJMU's full-text content occurs automatically on campus; for off campus access you need to click Settings, Library Links and save Liverpool John Moores University as your institution. Google Scholar is available at: <http://scholar.google.co.uk/>

### PubMed

PubMed is a useful resource provides access to biomedical literature, life science journals and online books. Links to free full-text content from PubMed Central and publisher websites may be included. PubMed is available at: <http://www.ncbi.nlm.nih.gov/pubmed>

### RefSeek\*

An academic search engine which locates scholarly information. RefSeek\* is available at: <http://www.refseek.com/>

### UKMi (UK Medicines Information)

UK Medicines Information is an NHS pharmacy based service whose aim is to support the safe, effective and efficient use of medicines by the provision of evidence-based information and advice on their therapeutic use. UKMi is available at: <https://www.ukmi.nhs.uk/temphome.asp>

## Further Help

The Academic Engagement Librarian for the School of Pharmacy and Biomolecular Sciences is:

Donna Burgess – [d.m.burgess@ljmu.ac.uk](mailto:d.m.burgess@ljmu.ac.uk)

Please contact her to arrange a one-to-one appointment.

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