

Resources for Biomolecular Sciences

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 Biomolecular Sciences. 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
Bacteriology/Prokaryotes	579.3
Biochemistry	572
Biotechnology	660.6
Cell Biology	571.6
Chemistry	540

Criminal Investigation	363.25
Criminal Law	345
Forensic Science	614.1
Genetics	576.5, 616.042
Haematology	616.15
Histology	571.15, 611.018
Human Anatomy	611
Human Immunology	616.079
Human Pathology	616.07
Human Physiology	612
Infectious Diseases	616.9
Life Sciences	570
Microbiology	579, 616.01
Organic Chemistry	547
Pharmacology/Therapeutics	615
Toxicology	571.95, 615.9
Virology	579.2, 616.91

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 Biomolecular Sciences are shown below:

Antimicrobial Agents and Chemotherapy

Applied Microbiology and Biotechnology

Biochemical Journal

British Journal of Haematology
Cell
Clinical and Vaccine Immunology
Current Opinion in Microbiology
Fingerprint Whorld
Forensic Science International
Human Pathology
Infection and Immunity
Journal of Applied Microbiology
Journal of Biological Chemistry
Journal of Forensic Sciences
Journal of General Virology
Journal of Histochemistry and Cytochemistry
Journal of Infectious Diseases
Journal of Molecular Biology
Journal of Pathology
Journal of Virology
Lancet
Microbiology
Molecular and Cellular Biology
New England Journal of Medicine
Reviews in Medical Virology
Trends in Genetics
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 **Biomolecular Sciences** 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

A world leading database for scientific, technical, and medical research. It provides full-

text access to more than 16 million peer-reviewed publications such as journal articles, reviews, book chapters and major reference works. Digital archive date 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

Scopus is one of the largest citation databases of scientific and technological literature. It provides access to over 23,452 peer-reviewed journals, 9.8 million conference papers and 210,000 books from more than 5,000 international publishers, many with links to full-text. Scopus also offers smart tools to track and analyse research.

Web of Science

A powerful research platform and global citation index including over 161 million records for books, journals, and conference proceedings across 254 disciplines. Web of Science also includes comprehensive archives from 1900+ and citation data such as 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.

Chemical, pharmaceutical and professional databases

The following databases provide access to key resources for Pharmacy and Biomolecular Sciences.

ASMscience (American Society for Microbiology)

ASMscience includes peer-reviewed textbooks, reference manuals, and monographs, on all aspects of microbiology. Included in the collections are. The American Society for Microbiology also provides full-text coverage for the Journal of Bacteriology (1916 - current) within the collection.

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.

Fingermark Visualisation Manual

An interactive PDF produced by the Home Office's Centre for Applied Science and Technology (CAST) to set professional standards for fingermark evidence recovery and best practice in the UK. Please Note: It is a large file so it will take a few minutes to download/open.

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, etc.

Reaxys

A premier chemical information platform that provides content from the Beilstein and Gmelin databases. Beilstein is the definitive source for organic chemistry covering properties, methods of making organic compounds, reactions and physiological information. Gmelin covers inorganic and organometallic compounds.

CAS SciFinder

A powerful research discovery tool that allows you to explore the CAS databases containing high-quality scientific literature, chemical substances and reactions. It offers an alternative mode of searching via the ChemDraw tool. You need to register for a personal account to access the SciFinder Scholar database.

The Merck Index

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

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/>

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 M. C. Burgess – d.m.burgess@ljmu.ac.uk

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

Guide by: Donna M. C. Burgess

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