A Virtual College of Pharmacy

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EUFEPS November 2008

Universitat Wien





University of Bath,



Pharmacy Consortium for Computer Aided Learning



www.collegeofpharmacy.com



Commercial and Academic Services Ltd.



University of Bath School of Pharmacy and Pharmacology

Most highly rated School of Pharmacy in the UK for Research and Teaching



Pharmacy Consortium for Computer Aided Learning

A consortium of all 20 schools of pharmacy in the UK to promote and co-ordinate the use of computers in undergraduate teaching. Founded in 1992

In 2008, over 800 affiliated Schools of Pharmacy in 40 countries



Objectives of the consortium

- -to encourage best practice in the use of computers in pharmaceutical education.
- decide on academic content
- to avoid duplication of effort
- to share resources
- to plan software production
- to ensure a common delivery platform for hardware for software
- sustainability



Commercial and Academic Services Ltd. (CoAcS Ltd)

A UK based company specialising in the application of computers and information technology to the pharmaceutical profession

Activities include marketing, distribution and support of PCCAL software

www.coacs.com

Computer Aided Education and Training - Pharmaceutical applications

Content - Content

Pedagogy - Educational methodology

Technology - Hardware, software delivery

Operation - Maintenance, support, sustainability.



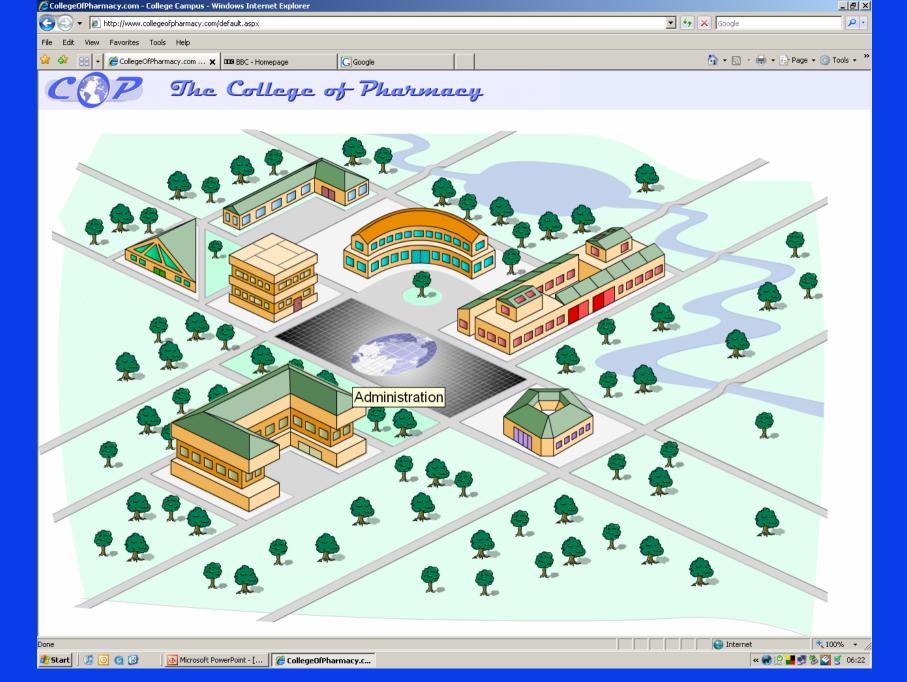
www.collegeofpharmacy.com illustrates a different concept in delivery and also a variety of educational approaches,

It is a website designed for use by pharmacy students, faculty and practicing pharmacists and provides access to a variety of educational resources from any computer connected to the internet.

Resources include:

- CAL packages
- Library
- Herb garden
- Lecture theatre

- Pharmacy museum
- Poster hall
- Pharmacy directory (pharmindex)
- Careers centre



The College of Pharmacy





Welcome to the College of Pharmacy! If you are a new user, click on the pile of papers on the desk to register. If you are an existing member, click on the red book on the desk and sign in.





Notice Board

News

Students of Manchester University - Welcome!

About the College

The College is open to all pharmacy students, faculty members of pharmacy schools and to pharmacy graduates. The purpose of the College of Pharmacy is to provide a resource for pharmacy students and pharmacists and act as a forum for discussion and ideas. The College does not issue degrees or qualifications of any sort. Membership is free with the exception of access to some computer aided learning (CAL) packages.

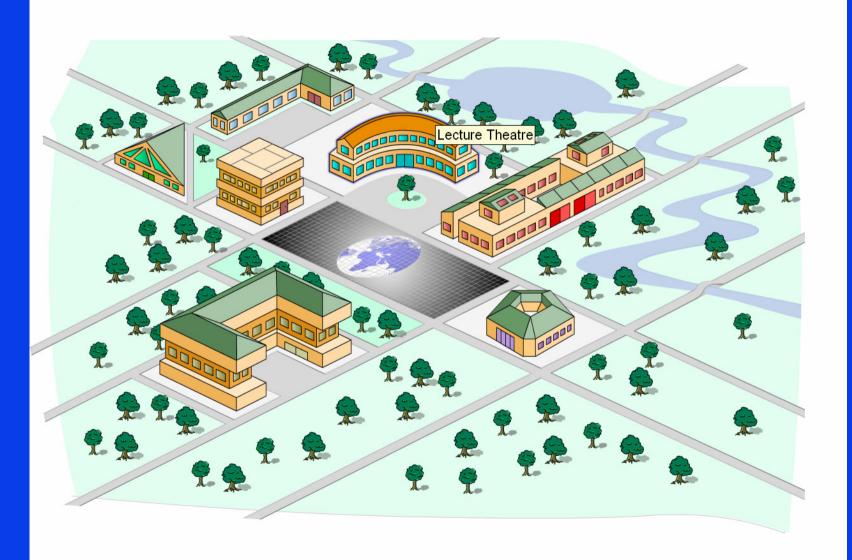
About Registration

If you are a member of a University Department or Academic Institution which has paid for access to CAL Packages you MUST register using your institutional email address in order to gain access to the packages. If at a later date you change your email address, for example when you leave the institution, it is our intention that you'll retain access to the packages.

If you are NOT a member of an institution that has already subscribed you are welcome to register with the College of Pharmacy as an individual. You will then have access to all the facilities except the CAL packages - which require payment. We are planning to introduce a facility for individuals to pay for access to CAL packages but in the meantime you can see info about the backages and some demos.



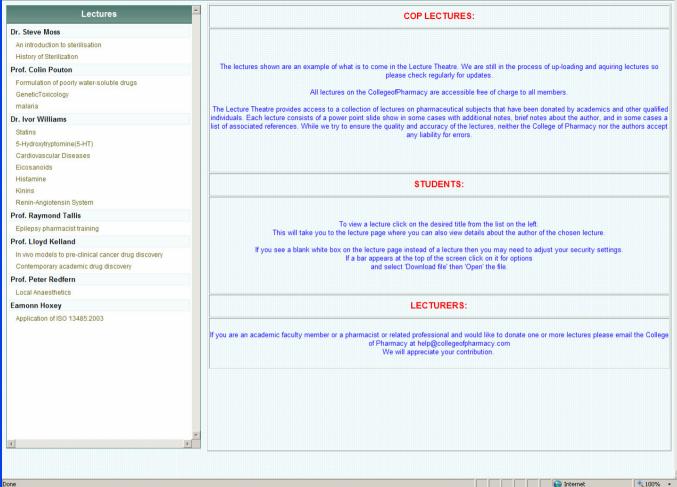
The College of Pharmacy



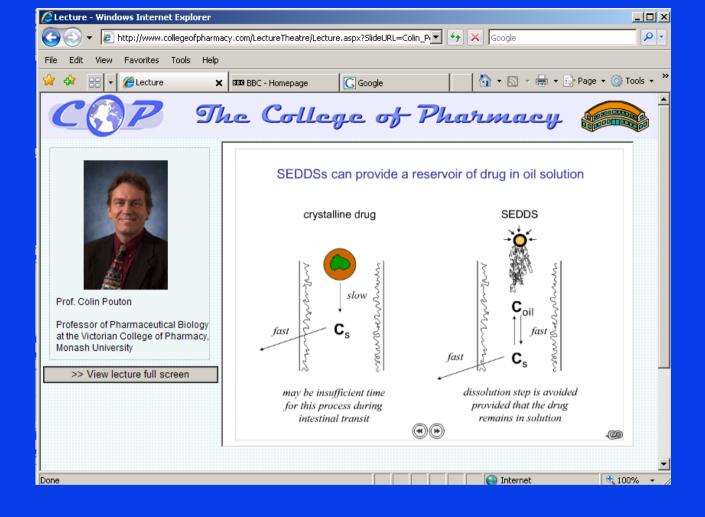








The Virtual Lecture Theatre provides lectures from academics and other professionals on pharmaceutical topics.

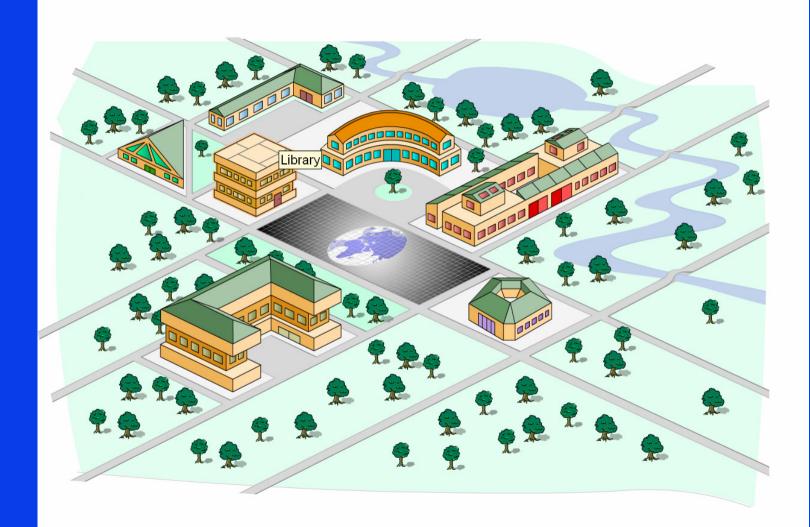


Currently the lectures are displayed as Flash files derived from Power Point presentations.

The facility is provided for references, extra notes and video presentations



P The College of Pharmacy





The College of Pharmacy





» Text Books

» Pharmacopoeia & Formularies

Library Stock

COP LIBRARY:

The College of Pharmacy library is a virtual library but it is unlike other online databases or sites where you can read books and journals on line.

BOOKS

When you search a typical database of books you usually know what you are looking for and the search engine finds titles that match your request. Sometimes the online database will link you to an electronic version of the books but almost always you will have to pay. The College of Pharmacy Library has been created with a different purpose in mind. Sometimes when you go to a real library you browse the shelves or the new books on display and see interesting books that you recognise might be useful but which you might never have searched for. Browsing can be useful and the College of Pharmacy library allows you to browse by looking at the spine, the covers and where the publishers allows, the table of contents. When you locate a book of interest you can see links to the publisher and you have the option to see if it's available in a real local library or on an online service if you subscribe to one. We also intend to introduce a way in which you can rate the books value to you as a pharmacy student, faculty member etc

JOURNALS:

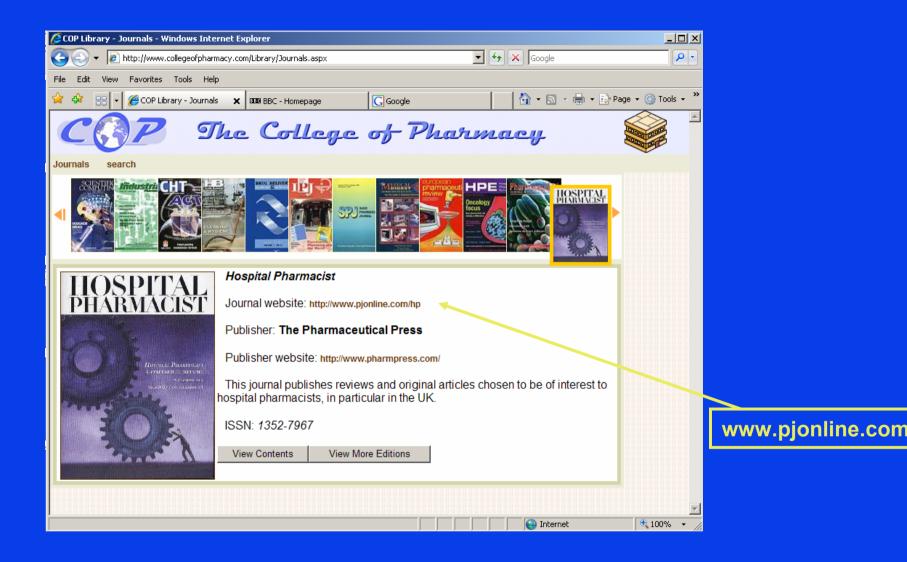
The philosophy behind the Library's display of Journals is also to encourage browsing and specifically to introduce students, and others, to journals they may not have heard of or may not be listed in the major databases but may however be valuable to pharmacy students, staff and others. In the case of journals, where free on line access is provided by the publisher a link is available. In some cases we are negotiating with publishers to give the College of Pharmacy Library access to the full text of previous older issues of journals. The journal display also differs from the book display in that we show the front covers of all issues available for each journal. Often the images on the covers, which are not seen in conventional online databases, can be of interest when browsing

NEWS:

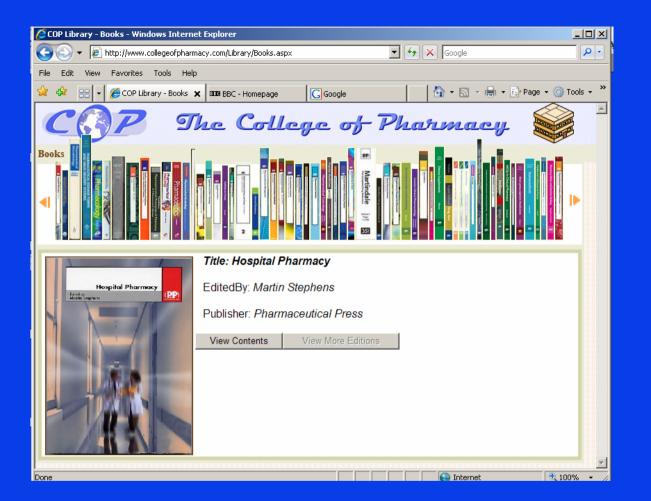
We are pleased to announce that we have recently received permission from RPS Publishing (previously the Pharmaceutical Press) to show all their books with tables of content and they have offered to keep us up to date with their new publications.

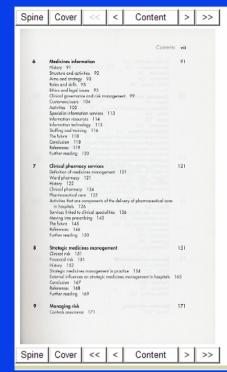
The virtual library is <u>not</u> a collection of electronic books and journals

It is a resource to allow browsing and then directs users to places where texts can be found



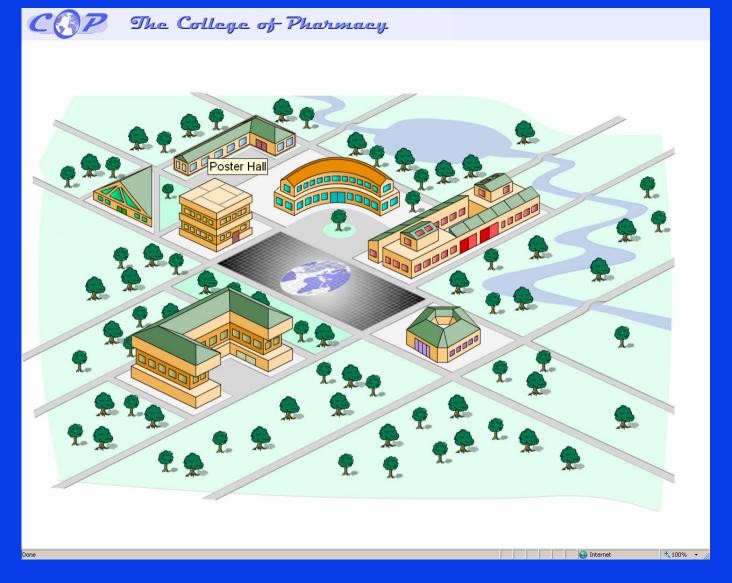
Journals – where freely available there is a link to the online journal - where allowed a table of contents is also displayed



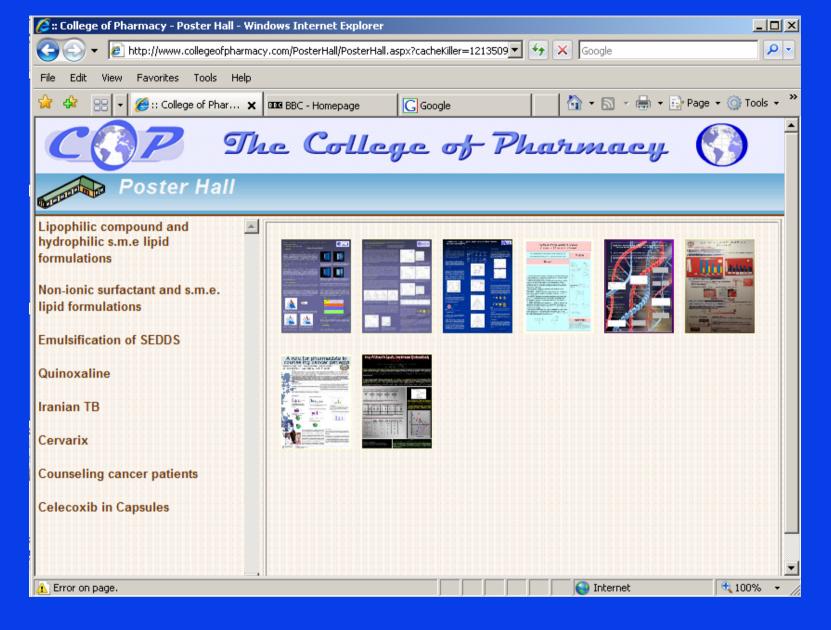


Books

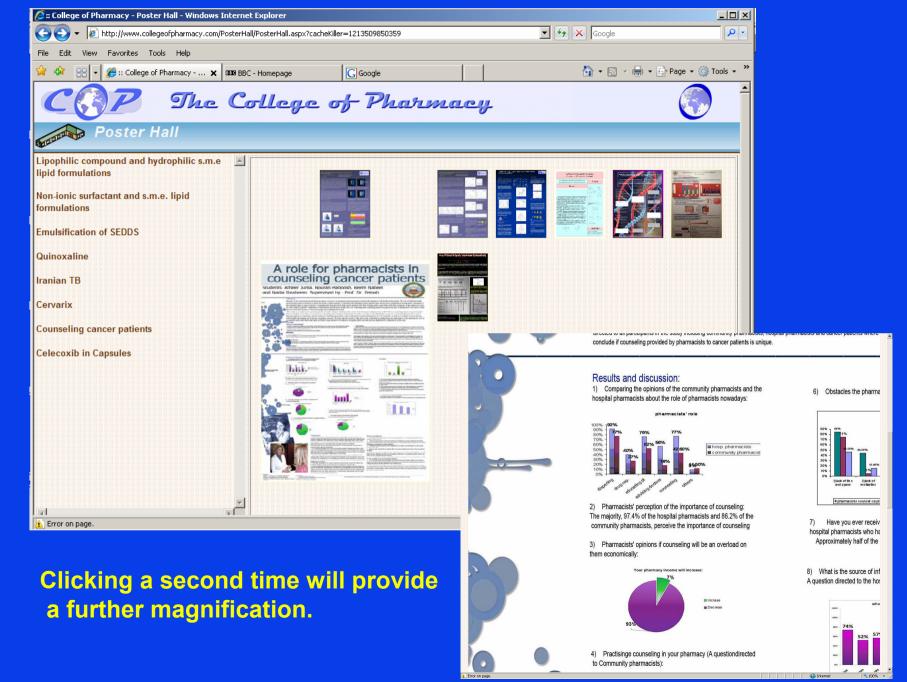
- Clicking on the spine of the book shows the cover.
- Clicking on the View Contents button shows the Table of Contents
- If the book is available on line a link is provided

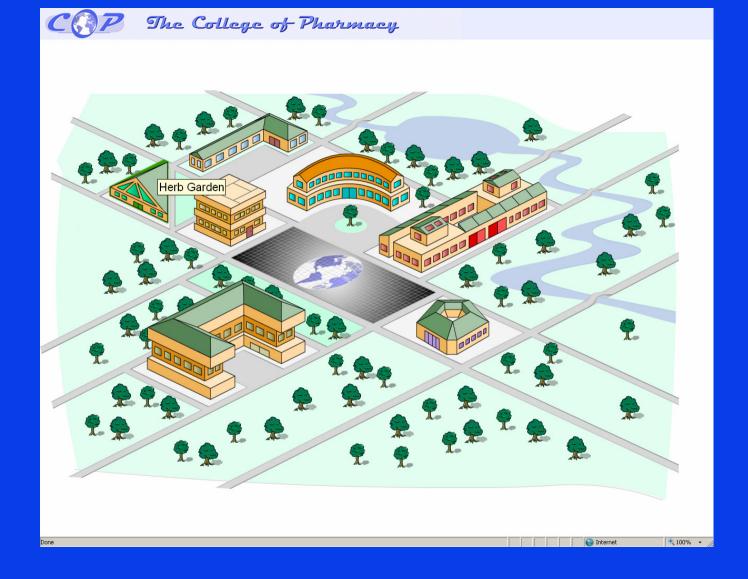


Posters presented by academic staff and students at conferences throughout the world can be displayed on www.collegeofpharmacy.com

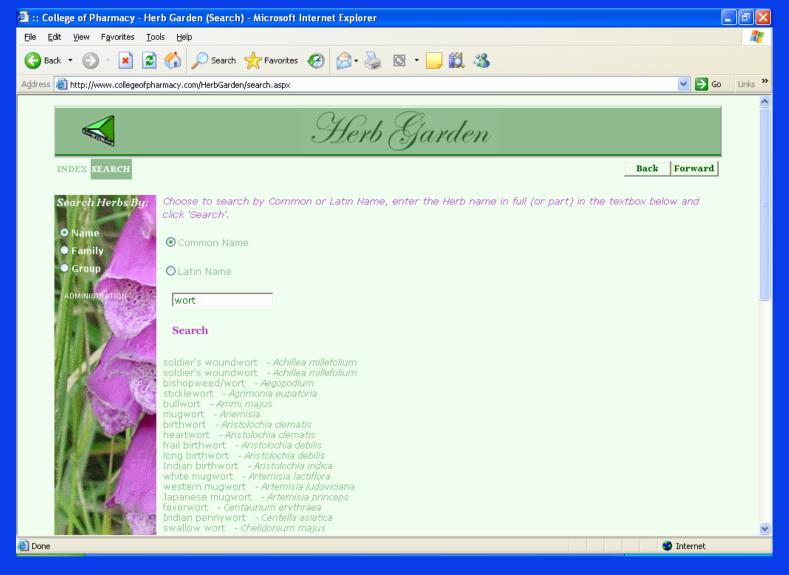


Clicking on an individual poster will provide an enlarged view.



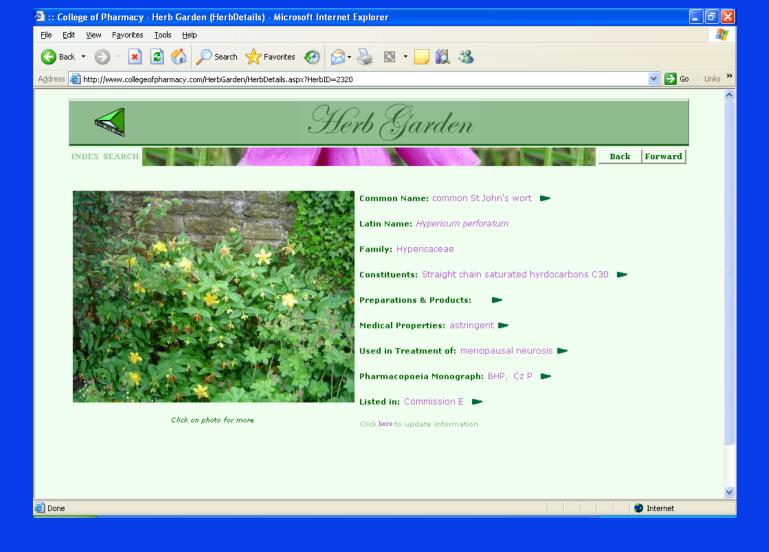


The Virtual Herb Garden is formed around a database of medicinal herbs with an emphasis on chemical substituents and medicinal uses

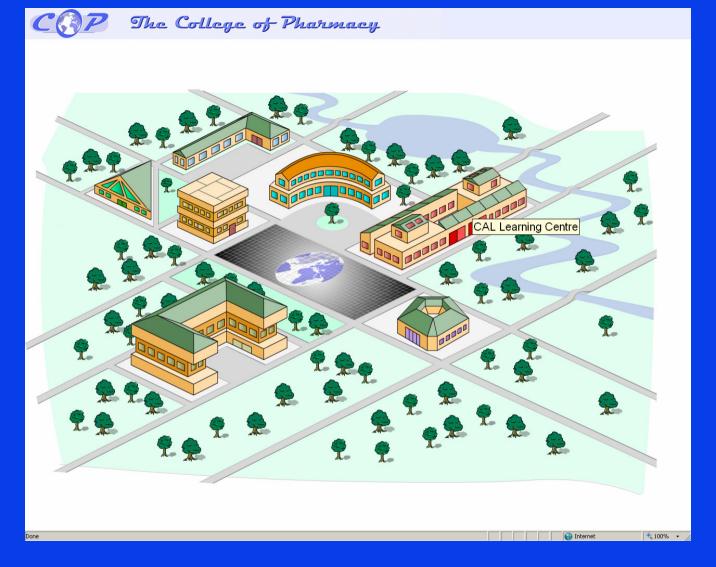


The database is searchable

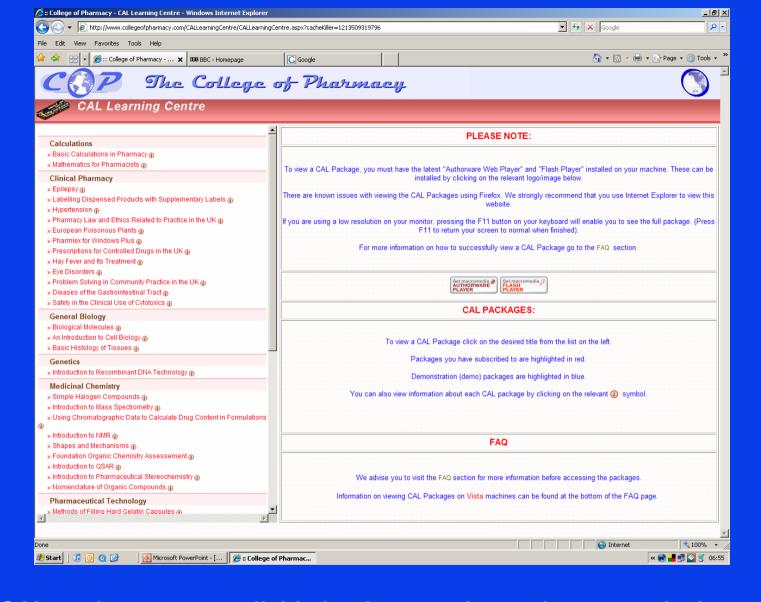
- · by Common or Latin name of medicinal plants and herbs
- by botanical families
- by groups of Classical Pharmaceutical or Topically important herbs



It is intended that academic staff and students will contribute information about medicinal plants in their part of the world and that the virtual herb garden will encourage participation in phytochemical projects and collaboration between groups in different universities.



The CAL centre provides access to Computer Aided Learning packages on a wide variety of pharmaceutical subjects. Access can be provided on an institutional basis by subscription or to individuals on a pay per view basis.



CAL packages are available in pharmacology, pharmaceutical, pharmaceutical chemistry, industrial pharmacy and pharmacy practice

Pharmacological Experiments On Isolated Guinea Pig Ileum (version 4.0)



Experimental Setup

Agonists

- Agonists: Theory
- Constructing Dose-Response Curves
- Comparing Dose-Response Curves
- Agonists On Guinea Pig lleum

Antagonists

- Antagonists: Theory
- Constructing Dose-Response Curves
- Comparing Dose-Response Curves
- Agonists/Antagonists On Guinea Pig lleum

Receptors

■ EXIT PCCAL: Basic Psychopharmacology



Developed By

Published By

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Pharmacology



Basic Calculations In Pharmacy

Version 4.0



SI Units And Terminology

Percentages @

Moles, Molarity etc Moles And RMM

Other Ways To Express Concentration Molarity

Conversion Between Concentrations

Licensed To

Mole Fraction

Pharmacy Practice Calculations

•

○ Reset



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Pharmaceutical Calculations

PCCAL: Mathematics for Pharmacists

CAL Centre Menu

Mathematics For Pharmacists

(Version 2.0

Introduction To Numbers

Indices

Logarithms

Graphs

EXIT

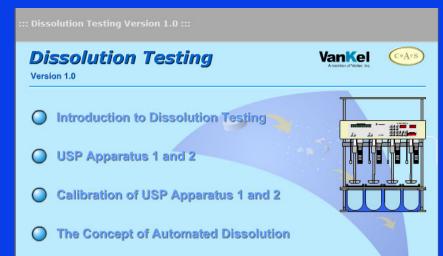
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Pharmaceutical Technology

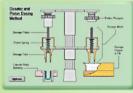
Methods Of Filling Hard Gelatin Capsules **



Version 3.0

CAPSUGEL ®

- Introduction
- Dosing of Liquids
- Dosing of Powders
- Dosing of Pellets
- Dosing of Solids
- Capsule Specifications
- Capsule Defects
- Stroking in the Fill
 - Auger Dosing Method
 - Tamping & Disk Dosing Method
 - Dosator & Piston Dosing Method (Intermittent)
 - Dosator & Piston Dosing Method (Continuous)



Exit

Reset



Developed By



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INDUSTRIAL DEVELOPMENT OF DRUGS

A computer aided learning package designed to help an understanding of the industrial pharmaceutical development process.

Sponsored by the INDUSTRIAL PHARMACISTS GROUP (RPSGB)





Royal Pharmaceutical Society of Great Britain

NB: The RPSGB does not endorse any drug or product mentioned in the package.

Click to continue.

PCCAL: Biopharmaceutics

CAL Centre Menu

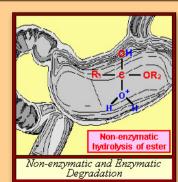
Biopharmaceutics

Version 2.0



Pharmaceutics

- Basics of Biopharmaceutics
- Controlled Release Dosage Forms
- () Gastrointestinal Tract Factors
- Exit





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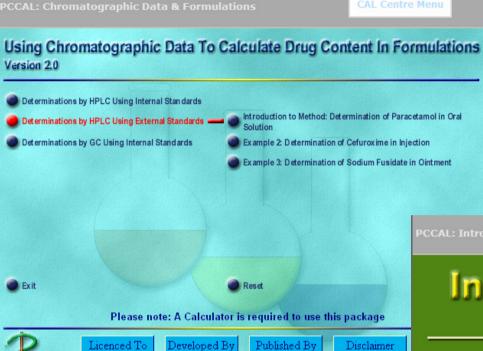
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Pharmaceutical and Medicinal Chemistry



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AN INTRODUCTION TO STERILIZATION

A Brief History Of Sterilization

Sterilization: An Overview

Introduction To Survival Curves

Non-Exponential Survival Curves

> Parameters

Version.

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USE

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Pharmaceutical Microbiology

PCCAL: Pharmaceutical Microbiology Assessment

CAL Centre Menu

Pharmaceutical Microbiology Assessment

(v3.0)

Microbial Detection, Enumeration and Identification

nd Identification

Microbial Physiology 🥏

Sterilisation and Aseptic Handling

Antibiotics, Disinfectants
and Preservatives

Methods of Evaluating
Antimicrobial Activity

Exit 🥥

Reset



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Microscopy and Staining

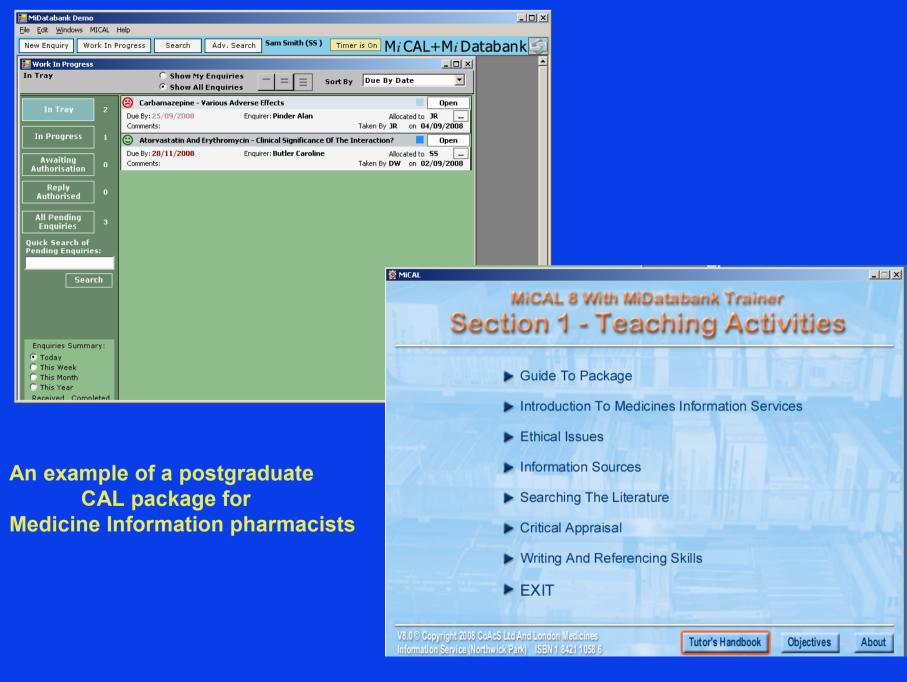
Immunological Methods

Counting Methods

Biochemical and

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Access to "collegeofpharmacy" is free to academic pharmacists, pharmacy students and pharmacy professionals – except for the CAL packages where subscriptions are required.

Thank you



www.collegeofpharmacy.com

steve.moss@bath.ac.uk

Contributions in the form of lectures, posters, journal and book titles and collaboration in developing CAL packages are all welcome