



Moving microbial training online

CABI's experience of creating an online course on
working with microorganisms

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KNOWLEDGE FOR LIFE

Why microorganisms?

Encouraging microbial diversity through the development of biological resources centres, could facilitate productive solutions to the challenges of delivering food security and fulfilling the MDG's.

As we seek to address the complex issues around food security, the need to create flexible, affordable training around the sanitary and phyto-sanitary issues, which underpin food provision and the growth of biological industries, has gained importance.

Rationale behind repurposing



- As co-ordinator of UKNCC it's a core part of CABI business and a functional knowledge resource.
- Extensive experience in training – 25 years in 75 countries in laboratories and in the field.
- Formal and informal market evaluation suggested a need for a course of this kind.

5 into 1 (and then some)



David Smith, Barbara Ritchie & Matthew Ryan
extensive practical teaching experience

+



OECD & UKNCC & a couple of others!

Recognised international standards

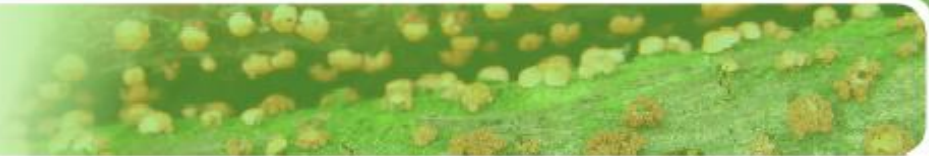
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Course Overview



Welcome to the course on Managing Microbes!

This course is intended as a guide to best practice in the collection, maintenance and management of microorganisms. We have designed it to provide you with information and reference sources which will assist you with your professional practice in a microbiological laboratory and enable you to learn the core skills required to establish and manage a collection of microorganisms.

The course covers topics on a wide range of theoretical considerations, practical skills and legislative guidance which are essential for professionals working at local, national and international levels in laboratories and other environments where they may be working with microorganisms.



Scope of content

The issues around establishing and managing a culture collection.

The methods of characterising and using various microorganisms.

Best practice with regard to identification, isolation, storage and growth.

Preservation techniques and their application for specific microorganisms.

Health and safety requirements for working with microorganisms.

Compliance with international standards of best practice.

Module 01: Culture Collections

Study Plan

The information in this module is organised into three broad categories, which will help you to prioritise and address your specific learning needs. Given below is a snapshot of what each area covers and the approximate time to go through it.



Core Learning

This resource contains the core learning content for this module and provides links to additional reading material, wherever applicable. The approximate time to go through the core learning section for this module is 1 hour 30 minutes. The core learning is further divided into the following topics:

*Roll your cursor over a topic name to view a brief description of the topic.
Click a topic name to access the core learning information for that topic.*

1: Why Retain Microorganisms

2: Role of Culture Collections

3: Issues Affecting Culture Collections

4: Culture Collection Quality Management

5: Managing a Small Working Collection

6: CABI as an example of a Public Service Collection



Module Assessment

This resource contains 15 assessment questions related to the core learning covered in this module and helps you to assess your understanding of the module. The approximate time to go through the module assessment is 15 minutes.

Click here to access the assessment for this module.



eLibrary

This resource contains additional information and reference material which supplements the core learning of this module. This provides valuable background material essential to those requiring a more advanced understanding of the subject, which you can select according to your learning needs.

Click here to access additional reading information for this module.

Practice exercises test core concepts



Select the correct option and click Submit.

Which international organisation has published Best Practice guidelines for BRCs?

Q

1 of 15



ECCO



OECD



CABRI



ISO 9000

Previous



Next

Talk to us to request access to our demonstration site or ask for a sample on CD-ROM.

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