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Guide For Fungi  
**Laboratory  
Guide For  
Fungi  
Identification**

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~~Fungal infection/Fungal~~

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Identification/Fungal  
culture test  
procedure/Fungal  
disease/STAR

~~LABORATORY~~ Lab

**12-1: Fungi Lab**

Required Reading: 13

Mushroom Books You  
Need To Have On Your  
Shelf Slide culture

technique for

fungi:Modified-Faster  
and Easier Identification  
of Dermatophytes

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~~Guide For Fungi~~

~~Fungi: A Guide to  
Identification with  
Davise H. Larone~~

Identification of  
Unknown Fungi fungal  
spore identification

---

Identification of  
Melanized  
(Dermatitaceous) Fungi  
Part 1 [Hot Topic]  
*Fungus lab diagnosis*

~~Fungi Lab Tour~~  
Mycology Part 4:  
Page 5/71

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Laboratory diagnosis of

fungal infections: Dr.

Tanmay Mehta 4. *Lab*

*diagnosis of fungus 7*

~~Trees Every Mushroom~~

~~Hunter Should Know~~

Wild Mushrooms You

Can Eat How we

identify mushrooms.HD

**Paul Stamets:**

**Psilocybin Mushrooms**

**\u0026 The Mycology**

**of Consciousness**

~~Forest Pathology~~

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Guide For Fungi  
transferring fungal  
cultures

---

9 Wild Edible

Mushrooms You Can  
Forage This Spring

*Identification of*

*Unknown Fungi* Paul

Stamets: Mycology and

Mushrooms as

Medicines Different

types of fungi under

microscope Preparation

of slides for

examination of key

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~~fungi structures Part 2~~

*Laboratory*

*investigation of*

*superficial fungal*

*infections Mushroom*

*Identification Basics:*

*Retro Mushroom Week*

**#2 The Treasure**

**Called the Psilocybes:**

**Paul Stamets**

~~Identification of~~

~~Filamentous Fungi:~~

~~Hyaline Monomorphic~~

~~Fungi: Part 1 [Hot~~



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Topic] *Classification  
and Structure of Fungi  
(Fungal Infections -  
Lesson 1)*

---

cotton blue stain -

lactophenol cotton blue

technique/fungal

identification -

mycology *How to*

*Identify Microbes How*

~~To Take A Spore Print~~

~~Identifying Wild~~

~~Mushrooms~~

**Laboratory Guide For**

*Page 9/71*

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## **Fungi Identification**

"The identification of fungi depends mainly on the morphological examination of microscopic structures, particularly the spores and the conidia, as well as the specialized cells that produce them." Here are a few examples of the photographs that enhance your ease of identifying fungi.

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Guide For Fungi

**IDENTIFYING  
FUNGI - A Clinical  
Laboratory Handbook  
- Home**

Laboratory Guide For  
Fungi Identification

"The identification of  
fungi depends mainly on  
the morphological  
examination of  
microscopic structures,  
particularly the spores  
and the conidia, as well

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Guide For Fungi

as the specialized cells that produce them." Here are a few examples of the photographs that enhance your ease of identifying fungi.

## **Laboratory Guide For Fungi Identification**

laboratory guide for fungi identification -  
Bing MLAB 1331:  
MYCOLOGY  
LECTURE GUIDE ...

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**Mycology** - the study of fungi  
**Fungi** - molds and yeasts  
**Molds** - exhibit filamentous type of growth  
**Yeasts** - pasty or mucoid form of fungal growth ...  
**Laboratory Methods in Medical Mycology A.**  
Collection, handling and processing of clinical mycology specimens

**Laboratory Guide For**  
*Page 13/71*

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**Fungi Identification**

- Additionally, accurate colour photographs of each colony are provided along with precise photomicrographs and drawings to guide your own microscopic observations The format of Identifying Fungi: A Clinical Laboratory Handbook is designed to facilitate accurate, easier

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## PDF Laboratory

### Guides For Fungi

#### Identification

identification. The author provide careful explanations of fungal identification

techniques, stains, and media; useful for experienced laboratory personnel and scientists but also invaluable for those learning medical mycology.

## **Identifying Fungi: A Clinical Laboratory**

*Page 15/71*

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**Handbook | NHBS ...**

Pluteaceae.

Psathyrellaceae.

Russulaceae.

Strophariaceae.

Tricholomataceae.

Ascomycetes. For ease of use we have grouped all jelly fungi (heterobasidiomycetes) together. Similarly all bracket and crust fungi are also grouped, as also are the various



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### Guide For Fungi

puffballs, earthballs, earthstars and stiltballs that, together with stinkhorns, are by tradition called gasteromycetes (even though there is no scientific justification for their being categorised together other than the fact that they all ...

## **Fungi families picture**

# Bookmark File PDF Laboratory gallery; identification guide

Diagnostic features of fungal pathogens, when stained by various dyes (e.g. asexual spores, hyphae etc), helps in the identification. India ink preparation of CSF sample Traditionally, the potassium hydroxide preparation has been the recommended method for the direct

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microscopic examination of specimens (specimen is treated with 20% KOH to dissolve tissue material, leaving alkali resistant fungi intact) .

## **Laboratory diagnosis of Fungal Infections - Learn ...**

As this laboratory guide for fungi identification, it ends stirring beast one

# Bookmark File PDF Laboratory Guide For Fungi laboratory guide for fungi identification

collections that we have.  
This is why you remain  
in the best website to  
look the incredible  
books to have. Use the  
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**Laboratory Guide For  
Fungi Identification**

LABORATORY

DIAGNOSIS OF

FUNGI IS CARRIED

OUT AS FOLLOWS: ?

The laboratory  
diagnosis of fungi or  
fungal infections is  
made by microscopy,  
culture, serology and  
skin test (for  
hypersensitivity). ?

Specimens: the

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specimen is collected  
from the site of the  
lesion.

**LABORATORY  
DIAGNOSIS OF  
FUNGI I  
MYCOLOGY NOTES**

Laboratory Guide for  
Identification of Plant  
Pathogenic Bacteria,  
Third Edition. N. W.  
Schaad, J. B. Jones and  
W. Chun (eds). 22 × 28

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cm, 373 pp. St Paul, ... a balanced coverage of all topics that might interest everyone who works on Ganoderma species as pathogens or decay fungi. In particular, it would be good to see some further research on ...

**Laboratory Guide for  
Identification of Plant  
Pathogenic ...**

*Page 23/71*

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The mycology reference laboratory: provides a comprehensive service for the diagnosis and management of fungal infections through its specialist laboratory services and expert clinical and...

**Mycology reference  
laboratory - GOV.UK**  
Identifying Edible and  
Poisonous Wild



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**Mushrooms** There are roughly 15,000 types of wild fungi in the UK.

Our guide aims to help you identify the best to eat and the most important ones not to pick. Never rely on one source for mushroom identification, and never eat anything unless you are 100% sure it is edible.

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**Wild UK Mushrooms  
(Fungi): Guide to  
Identification &  
Picking**

The Mycology  
Reference Laboratory  
(MRL) is situated at the  
PHE South West  
Laboratory in Bristol.  
The laboratory provides  
a comprehensive service  
for the diagnosis and  
management of fungal...

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**Mycology reference  
laboratory: service  
user handbook -  
GOV.UK**

The next portion of the text, the “Guide to Identification of Fungi in Culture,” should be a must-read part of the mycology portion of every medical technology school. Students of mycology need the information

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conveyed therein to  
begin their  
transformation into  
mycologists.

**Medically Important  
Fungi: A Guide to  
Identification – 5th ...**

Join a fungi foray – it's  
the best way to pick up  
ID tips. Many local  
conservation  
organisations organise  
forays on their reserves.

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Take spore prints from your fungi. Place the cap on a piece of clean paper, cover it overnight and next morning you should have a perfect spore print.

## **British woodland fungi ID guide | Mushroom identification ...**

Mushrooms (or toadstools) is a term given to the fleshy,

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spore-bearing fruiting

bodies that certain fungi

produce. Here are nine

common mushrooms

that you may come

across. Please be aware

that fungi can be deadly

poisonous – don't use

this blog to identify

them for culinary use.

## **Types Of UK**

### **Mushrooms:**

## **Identification Guide -**

# Bookmark File PDF Laboratory

## **Woodland Trust**

recommended (Halliday et al. 2015). Molecular-

based fungal

identification is

particularly helpful for

fungi that lack

distinguishing

morphological features,

e.g. *Apophysomyces*

*elegans*, or to

distinguish between

species of the

*Aspergillus fumigatus*

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Guide For Fungi  
complex. comparative  
sequence analysis is  
now the 'gold standard'  
for identification of  
fungi.

## **DESCRIPTIONS OF MEDICAL FUNGI - Mycology**

If you are unsure  
whether a wild  
mushroom is safe to eat  
or not, seek advice from  
an expert. Eating a



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poisonous mushroom  
can be fatal – or at least  
make you feel very  
unwell, so don't risk it.

There are many foraging  
courses you can join  
where you can be  
guided by an expert.

Most common British  
wild woodland  
mushroom species

**British wild  
mushrooms and fungi**

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**guide: where to find  
and ...**  
Identification

Buy Medically

Important Fungi: A  
Guide to Identification  
4th edition by Larone,  
Davise H. (ISBN:  
9781555811723) from  
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free delivery on eligible  
orders.

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The definitive guide for  
identifying fungi from  
clinical specimens

Medically Important  
Fungi will expand your  
knowledge and support  
your work by: Providing  
detailed descriptions of  
the major mycoses as  
viewed in patients'  
specimens by direct  
microscopic  
examination of stained  
slides Offering a logical

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step-by-step process for

identification of  
cultured organisms,

utilizing detailed

descriptions, images,

pointers on organisms'

similarities and

distinctions, and

selected references for

further information

Covering nearly 150 of

the fungi most

commonly encountered

in the clinical mycology

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### Guide For Fungi

laboratory Presenting  
details on each  
organism's

pathogenicity, growth characteristics, relevant biochemical reactions, and microscopic morphology, illustrated with photomicrographs, Dr. Larone's unique and elegant drawings, and color photos of colony morphology and various test results Explaining

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### Guide For Fungi

the current changes in fungal taxonomy and nomenclature that are due to information acquired through molecular taxonomic studies of evolutionary fungal relationships

Providing basic information on molecular diagnostic methods, e.g., PCR amplification, nucleic acid sequencing,

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MALDI-TOF mass spectrometry, and other commercial platforms

Including an extensive section of easy-to-follow lab protocols, a comprehensive list of media and stain

procedures, guidance on collection and

preparation of patient specimens, and an

illustrated glossary With Larone's Medically

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Important Fungi: A

Guide to Identification,  
both novices and

experienced

professionals in clinical  
microbiology

laboratories can

continue to confidently  
identify commonly  
encountered fungi.

Diseases caused by  
fungi have become a  
significant medical



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### Guide For Fungi

#### Identification

problem and are increasing at an alarming rate. The number of fungal species reported to cause disease is greater than ever some of these species had previously been considered harmless. The increase in the number of patients that are not immuno-competent, along with greater

# Bookmark File PDF Laboratory Guides For Fungi Identification

awareness and appreciation of opportunistic fungal infections, have highlighted the importance of accurate identification of fungi. This full-color handbook makes it possible to identify medically important fungi with ease and confidence. Whether the specimen is a common

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### Guide For Fungi

#### Identification

or unusual fungi, the authors take the mystery and difficulty out of identification. A greatly expanded, completely revised and updated edition based upon the highly acclaimed first edition (Identifying Filamentous Fungi). Now including more fungi, including yeasts, new tables, more color photographs, an

# Bookmark File PDF Laboratory Expanded Glossary, more descriptions. Includes two keys: a

unique color-coded key  
you match the colors to  
those on colony surface,  
and a comprehensive  
dichotomous key.

Additionally, accurate  
color photographs of  
each colony are  
provided along with  
precise  
photomicrographs and

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drawings to guide your

own microscopic

observations. The

format of the book is

designed to facilitate

accurate, easier

identification. The

author provide careful

explanations of fungal

identification

techniques, stains, and

media; useful for

experienced laboratory

personnel and scientists

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but also invaluable for those learning medical mycology. No other book has such extensive color photography and these unique identification keys.

This book is written remembering of medical technologist working in pathology lab with least knowledge of fungi compare to other

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branches of medical sciences. This book, although, equally good for clinicians and veterinary doctors to know about the fungi of clinical importance and hence, could go for an appropriate treatment. Morphological description with photograph is given for 114 species of fungi to identify the clinical

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Guide For Fungi  
Identification

fungi easily and accurately. These fungal belong to following

Genera of fungi:

Absidia, Acremonium,  
Acrophialophora,  
Actinomyces,  
Actinomadura,  
Actinomucor Alternaria,  
Aphanoascus,  
Arthroderma,  
Aspergillus,  
Aureobasidium,  
Basidiobolus,



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### Beauveria, Bipolaris,

Blastomyces, Botrytis,

Chaetomium,

Chrysosporium,

Cladophialophora,

Clavispora,

Coccidioides,

Colletotrichum,

Conidiobolous

(Entomophthora),

Cryptococcus,

Cunninghamella,

Curvularia,

Cyberlindnera,

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Debaromyces, Diutina,  
Epidermophyton,  
Emmonsia, Exophiala,  
Exserohilum,  
Fonsecaea, Fusarium,  
Geotrichum,  
Histoplasma,  
Kluveromyces,  
Laphophyton,  
Lasiodiplodia,  
Madurella, Malassezia,  
Microsphaeropsis,  
Microsporum,  
Mortierella, Mucor,

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Ochroconis, Nocardia,  
Paecilomyces,  
Paraphyton, Penicillium,  
Phoma, Prototheca,  
Pseudallescheria,  
Pythium,  
Rhinocladiella,  
Rhinosporidium,  
Rhizomucor, Rhizopus,  
Rhodotorula,  
Saccharomyces,  
Scedosporium,  
Schyzophyllum,  
Scopulariopsis,

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Scytalidium, Sporothrix,

Stachybotrys,

Stemphylium,

Streptomyces,

Syncephalastrum,

Trichoderma,

Trichophyton,

Trichosporon,

Ulocladium, Veronaea,

Verruconis, Verticillium

and Wangiella Besides

this, a medical

mycology lab manual is

also given for handling

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### clinical fungi starting from collection to proper isolation and correct identification.

Methodology of manual is illustrated to be easily followed by the technicians. A new technique for the isolation of fungi from clinical samples is described here that reduce the possibility of air borne lab

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contaminations. The lab  
contaminations are a big  
problem for

determination of fungal  
pathogens, but this  
technique almost  
eliminate the possibility  
of lab contaminations. Sc  
ientific terms used for  
fungal descriptions are  
explained in  
Mycological  
Terminology section.

Questions usually asked

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about the fungi are given in Frequently Asked Questions section. A sheet is provided to follow step-by-step identification of fungus in "Steps in fungal Identification (Sheet)". How to identify common Candida species by seeing color of Candida species on Chromagar and microscopic

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morphology is given for  
rapid identification in  
"Definitive

Identification of  
Common Pathogenic  
Candida species on  
Chromagar and  
Sabouraud Dextrose  
Agar (SDA)".

For the first time in over  
20 years, a  
comprehensive  
collection of



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photographs and  
descriptions of species  
in the fungal genus

*Fusarium* is available.

This laboratory manual provides an overview of the biology of *Fusarium* and the techniques involved in the isolation, identification and characterization of individual species and the populations in which they occur. It is the first

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### Guide For Fungi

time that genetic, morphological and molecular approaches have been incorporated into a volume devoted to *Fusarium* identification. The authors include descriptions of species, both new and old, and provide protocols for genetic, morphological and molecular identification

# Bookmark File PDF Laboratory Guides For Fungi Fusarium Laboratory Manual also includes

some of the  
evolutionary biology  
and population genetics  
thinking that has begun  
to inform the  
understanding of  
agriculturally important  
fungal pathogens. In  
addition to practical  
“how-to” protocols it  
also provides guidance

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in formulating questions  
and obtaining answers  
about this very  
important group of  
fungi. The need for as  
many different  
techniques as possible to  
be used in the  
identification and  
characterization process  
has never been greater.  
These approaches have  
applications to fungi  
other than those in the

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### Guide For Fungi

genus *Fusarium*. This volume presents an introduction to the genus *Fusarium*, the toxins these fungi produce and the diseases they can cause. “The *Fusarium* Laboratory Manual is a milestone in the study of the genus *Fusarium* and will help bridge the gap between morphological and phylogenetic taxonomy.

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It will be used by  
everybody dealing with  
Fusarium in the Third  
Millenium.” --W.F.O.  
Marasas, Medical  
Research Council, South  
Africa

Helps lab workers and  
medical technology  
students identify fungal  
pathogens under the  
microscope by their  
morphology and other

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### Guide For Fungi

features. Bandw  
illustrations and  
photomicrographs

illustrate guides to  
interpretation of clinical  
specimens and  
identification of fungi in  
culture, with  
descriptions of  
filamentous bacteria,  
yeasts, thermally  
dimorphic fungi, and  
thermally monomorphic  
molds. A section on

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laboratory technique  
details lab procedures,  
staining methods, and  
media preparation.

Includes an illustrated  
glossary. The latest  
edition adds new  
organisms, lab  
procedures, and staining  
methods. Annotation  
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Laboratory Handbook of Medical Mycology summarizes the concepts dealing with the laboratory aspects of medical mycology. The publication first offers information on basic terminology and classification, laboratory safety, and clinical specimens. Discussions

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Guide For Fungi  
focus on tissue, abscess,  
blood, bone marrow,  
and urine specimens,  
biological hazards,  
disinfection and  
sterilization, grounding  
of electrical equipment,  
waste disposal, asexual  
and sexual reproduction,  
and vegetative growth.  
The text then takes a  
look at mold and yeast  
identification, including  
fermentation,

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temperature studies, asci

and ascospores,

zygomycetes,

cycloheximide

resistance, and

sporulation and sterile

isolates. The manuscript

ponders on

susceptibility testing

and bioassay

procedures, culture

collection, and quality

control. Topics include

proficiency evaluations,

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### media and equipment

### control, depositing

### unusual isolates in

major culture  
collections,  
reconstituting  
lyophilized cultures,  
bioassay to determine  
drug levels in body  
fluids, and in vitro  
susceptibility testing.

The publication is a  
dependable source of  
data for laboratory

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technologists, microbiologists, and mycologists engaged in safely isolating and accurately identifying fungi of medical importance.

Biological insecticides are competing more and more with traditional chemical pesticides. A successful application of natural pathogens

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requires a better understanding of both fungal and insect ecology and physiology. This Atlas provides a comprehensive overview of these fields and includes the taxonomy of those species of fungi which are proven pathogens. Biotechnological methods for the genetic modification of these

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natural pathogens  
resulting in further  
optimization and the  
advantages of biological  
control are discussed.

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