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Mycology By
Jagadish Chander

Mycology ***By Jagadish*** ***Chander***

*The study or
recitation of
sacred texts for
one week
continuously is
considered in
India to be of
special sanctity*

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and of great
spiritual merit.
Here, it is
customary for
the religious-
minded people to
arrange for one-
week recitation
of a scripture,
styling it as
'Shrimad Bhagwat
Week' or 'The
Gita Week'. It
would be

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worthwhile to know how and when this practice or tradition of holding seven-day religious congregations for reading out the legends or scriptures started. It is sincerely hoped that by hearing,

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*reading,
recapitulating
and practising
this Knowledge
and Yoga in the
aforesaid
manner, man
would attain
purity, peace
and bliss and
would feel
himself a highly
blessed and
lucky person.*

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*Fundamentals of
Diagnostic
Mycology is a
unique resource
dedicated
exclusively to
isolating
medically
important and
commonly
encountered
fungi in
clinical
laboratory*

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specimens.

*Whether in the
classroom or the
laboratory, it's
the ideal
resource for
mastering the
skills you need
to recognize
fungi and the
infections that
they cause.
Detailed line
drawings and*

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photomicrographs depict typical and atypical examples of the fungus as it is likely to be seen in routine laboratory preparations, with explanations of identifying features. Plus, scale drawings

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show the relative size of different fungi. The new edition of this textbook is a complete guide to parasitology for undergraduate medical students.

Divided into 23 chapters, each topic has been

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*thoroughly
updated and
expanded to
cover the most
recent advances
and latest
knowledge in the
field. The book
begins with an
overview of
parasitology,
then discusses
numerous
different types*

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*of parasite,
concluding with
a chapter on
diagnosis
methods. Many
chapters have
been rewritten
and the eighth
edition of the
book features
many new tables,
flow charts and
photographs.
Each chapter*

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*concludes with a
'key points' box
to assist with
revision. Key
points Eighth
edition
providing
undergraduates
with a complete
guide to
parasitology
Fully revised
text with many
new topics,*

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*tables and
photographs Each
chapter
concludes with
'key points' box
to assist
revision*

*Previous edition
(9789350905340)
published in
2013*

*Mycotic
keratitis, also
known as fungal*

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keratitis, is commonly defined as an inflammation of the cornea. Globally, mycotic keratitis is more common as compared to others eye disorders. Though it occurs in all parts of

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*the world it is
more prevalent
in tropical and
subtropical
areas. Mycotic
Keratitis
emphasizes novel
perspectives on
mycotic
keratitis
treatments and
addresses
different
therapies used*

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in treatment.

The book is
designed to be
immensely useful
for the students
and teachers of
microbiology,
medicine,
mycology,
ophthalmology,
biotechnology
and
nanotechnology.
Medical

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*microbiology
researchers in
general and
medical mycology
in particular
will find it a
valuable user-
friendly book.
Essentials of
Medical
Microbiology
Koneman's Color
Atlas and
Textbook of*

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*Diagnostic
Microbiology
Review of
Microbiology and
Immunology
A Guide to
Identification
Current
Developments in
Biotechnology
and
Bioengineering
An Official
Organ of Indian*

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*Association of
Pathologists &
Microbiologists*

This book is a practical manual in Microbiology for 2nd year MBBS students. There is no standard book for practical exams in the market. This book will be a

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student's

companion in their

Microbiology

practical class

where they can

read it, do their

experiments as per

directions given in

book, and do their

assignments. It

would be a

'complete

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practical book'
with tutorials at the
beginning of each
chapter helping
the students
understand the
concepts.

Integrates practical
& important
theoretical
concepts of
Microbiology Every

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chapter divided in
a tutorial, practical
exercise, spotters
and assignments
Contains easy to
reproduce
diagrams during
the practical
exams Important
case-wise Viva
questions at the
end of each

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chapter Sample
cases at the end of
each chapter for
understanding the
correlation
Takes an
integrated
approach to both
infectious disease
and microbiology.
Referenced to
national

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frameworks and current legislation, it covers the basic principles of bacteriology and virology, specific information on diseases and conditions, and material on 'hot topics' such as bioterrorism and

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preventative
medicine.

Descriptions of
Medical Fungi.
Third Edition.

Sarah Kidd,
Catriona Halliday,
Helen Alexiou and
David Ellis. 2016.

This updated third
edition which
includes new and

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revised

descriptions. We have endeavoured to reconcile current morphological descriptions with more recent genetic data. More than 165 fungus species are described, including members

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of the

Zygomycota,
Hyphomycetes,
Dimorphic
Pathogens, Yeasts
and
Dermatophytes.

340 colour
photographs.

Antifungal
Susceptibility
Profiles.

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Microscopy Stains
& Techniques.

Specialised
Culture Media.

References. 250
pages.

Indian mycologists
have extensively
studied various
groups of fungi
such as soil fungi,
aquatic fungi,

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marine fungi,
endophytic fungi,
fungi associated
with man and
animals. Though
several books on
various aspects of
fungi are
published, this is
the first account of
the history and
development in

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mycology in India.

This book is the second volume of the two-volume book "Progress in Mycology: An Indian Perspective".

While volume 1 contains the historical aspects, taxonomy and

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information about the various groups of fungi, this volume focuses majorly on the biotechnological applications of the different groups of fungi. It discusses topics such as the extremophilic fungi, the history

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and development
in Candida
research, progress
of mycotoxin
research in India
etc. It provides a
detailed account of
the various
enzymes and bio-
active molecules
derived from fungi.
India shows a very

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high biodiversity of fungi, and this book discusses these different group of fungi and their industrial and biotechnological applications. This book is useful to students, teachers and researchers in botany,

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microbiology,
biotechnology and
life sciences,
agriculture and
industries using
fungi to produce
various valuable
products.

Diseases of Edible
Oilseed Crops
Textbook of
Microbiology &

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Immunology
Progress in
Mycology
Fundamentals of
Diagnostic
Mycology
Recent Advances
and Emerging
Challenges - Vol. 2

This book is a
complete guide to
medical

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parasitology for undergraduate and postgraduate students. The new edition has been fully revised to provide the latest updates and advances in the field, highlighting epidemiology, diagnosis and treatment of numerous parasitic

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diseases. Presented in bullet format, the text is divided into four main sections, each further subdivided to cover different parasites. The second edition covers recent advances in laboratory diagnosis, treatment guidelines, vaccine prophylaxis,

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epidemiology of
infectious diseases,
and hospital
infection control.

Each chapter
features questions
on the topic to
assist revision, as
well as clinical
images, schematic
diagrams, tables
and flowcharts. Key
points Complete
guide to medical

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parasitology for
students Fully
revised, new edition
covering latest
advances in the field
Includes questions
on each topic to
assist revision
Previous edition
(9789351523291)
published in 2014
The Intent Of The
Book Is To Provide
Recent Information

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& Explain In Detail
The Routine
Diagnostic Methods
Performed In A
Microbiology
Laboratory. Every
Effort Has Been
Made To Incorporate
All Aspects Of
Practical
Microbiology. This
Book Consists Of
151 Learning Units.
Each Units Contains

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Many Practical
Exercise. The Book
Is Profusely
Illustrated With
Diagrams &
Photomicrographs
Both Black & White
& Color..

For almost a
decade, quantitative
NMR spectroscopy
(qNMR) has been
established as
valuable tool in drug

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analysis. In all disciplines, i. e. drug identification, impurity profiling and assay, qNMR can be utilized.

Separation techniques such as high performance liquid chromatography, gas chromatography, super fluid

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chromatography and capillary electrophoresis techniques, govern the purity evaluation of drugs. However, these techniques are not always able to solve the analytical problems often resulting in insufficient methods.

Nevertheless such

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methods find their way into international pharmacopoeias. Thus, the aim of the book is to describe the possibilities of qNMR in pharmaceutical analysis. Beside the introduction to the physical fundamentals and techniques the

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principles of the application in drug analysis are described: quality evaluation of drugs, polymer characterization, natural products and corresponding reference compounds, metabolism, and solid phase NMR spectroscopy for the

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characterization
drug substances,
e.g. the water
content,
polymorphism, and
drug formulations,
e.g. tablets,
powders. This part
is accompanied by
more special
chapters dealing
with representative
examples. They give
more detailed

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information by
means of concrete
examples.

Combines theory,
techniques, and
concrete
applications—all of
which closely
resemble the
laboratory
experience

Considers
international
pharmacopoeias,

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addressing the
concern for
licensing Features
the work of
academics and
researchers,
appealing to a broad
readership
Now in striking full
color, this Seventh
Edition of
Koneman's gold
standard text
presents all the

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principles and practices readers need for a solid grounding in all aspects of clinical microbiology—bacteriology, mycology, parasitology, and virology.

Comprehensive, easy-to-understand, and filled with high quality images, the book covers cell and

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structure

identification in
more depth than any
other book

available. This fully
updated Seventh
Edition is enhanced
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new clinical
scenarios, new
photos and
illustrations, and all-
new instructor and
student resources.

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Oxford Handbook of
Infectious Diseases
and Microbiology
Fundamental
Medical Mycology
Bailey & Scott's
Diagnostic
Microbiology - E-
Book
Aromatic Rices
Diagnostic Medical
Parasitology
Textbook Of
Practical

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Microbiology

This book presents various aspects of agroforestry research and development, as well as the latest trends in degraded landscape management. Over the last four decades,

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agroforestry
research
(particularly on
degraded
landscapes) has
evolved into an
essential problem-
solving science,
e.g. in terms of
sustaining
agricultural
productivity,
improving soil

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health and
biodiversity,
enhancing
ecosystem
services,
supporting carbon
sequestration and
mitigating climate
change. This book
examines
temperate and
tropical
agroforestry

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systems around the world, focusing on traditional and modern practices and technologies used to rehabilitate degraded lands. It covers the latest research advances, trends and challenges in

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the utilization and
reclamation of
degraded lands,
e.g. urban and peri-
urban
agroforestry,
reclamation of
degraded
landscapes, tree-
based multi-
enterprise
agriculture,
domestication of

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high-value
halophytes,
afforestation of
coastal areas,
preserving
mangroves and
much more. Given
its scope, the book
offers a valuable
asset for a broad
range of
stakeholders
including farmers,

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scientists,
researchers,
educators,
students, develop
ment/extension
agents,
environmentalists,
policy/decision
makers, and
government and
non-government
organizations.

Within the field of

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infectious diseases, medical mycology has experienced significant growth over the last decade. Invasive fungal infections have been increasing in many patient populations, including: those

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with AIDS;
transplant
recipients; and the
elderly. As these
populations grow,
so does the
diversity of fungal
pathogens.
Paralleling this
development,
there have been
recent launches of
several new

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antifungal drugs
and therapies.

Clinical Mycology
offers a
comprehensive
review of this
discipline.

Organized by
types of fungi, this
volume covers
microbiologic,
epidemiologic and
demographic

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aspects of fungal infections as well as diagnostic, clinical, therapeutic, and preventive approaches.

Special patient populations are also detailed.

Textbook of
Medical
MycologyJP

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Medical Ltd

The fourth edition of this book is thoroughly updated in accordance with the competency-based curriculum of Microbiology. This book highlights the important aspects of Medical

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Microbiology and presents a concise exam-oriented text as per the revised guidelines of Medical Council of India and health universities across the country, and nearby countries. Ideal for undergraduate students of

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physiotherapy,
nursing, pharmacy
and science

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Based

Undergraduate
Curriculum and
ensured coverage
of all the
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upon the pattern followed by the examiners in framing questions in the exams—both theory and practical. Enriched text with newer developments, additional figures, photographs, flowcharts, tables to facilitate greater

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knowledge. More
emphasis on
systemize
presentation of
information in
bulleted points,
that helps to
recollect the
things easily.
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will expand your
knowledge and
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descriptions of the**

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specimens by direct
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examination of
stained slides
Offering a logical
step-by-step
process for
identification of
cultured organisms,
utilizing detailed**

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**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**

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laboratory
Presenting details
on each organism's
pathogenicity,
growth
characteristics,
relevant
biochemical
reactions, and
microscopic
morphology,**

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**illustrated with
photomicrographs,
Dr. Larone's
unique and elegant
drawings, and color
photos of colony
morphology and
various test results
Explaining the
current changes in
fungal taxonomy
and nomenclature**

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**that are due to
information
acquired through
molecular
taxonomic studies
of evolutionary
fungal relationships
Providing basic
information on
molecular
diagnostic methods,
e.g., PCR**

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**amplification,
nucleic acid
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extensive section of
easy-to-follow lab
protocols, a
comprehensive list**

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Important Fungi: A
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laboratories can
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commonly
encountered fungi.
Perfect your lab
skills with the gold**

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microbiology —
including
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automated
streaking, MALDI-
TOF, and**

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incubator

**microscopes. It's
everything you
need to get quality
lab results in class
and in clinical
practice! More
than 800 detailed,
full-color
illustrations aid
comprehension and
help in visualizing**

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concepts. Expanded sections on parasitology, mycology, and virology eliminate the need to purchase separate books on this material. General and Species boxes in the organism chapters highlight

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**the important
topics that will be
discussed in the
chapter. Case
studies provide the
opportunity to
apply information
to a variety of
diagnostic
scenarios, and help
improve decision-
making and critical**

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thinking skills.

**Hands-on
procedures include
step-by-step
instructions, full-
color photos, and
expected results. A
glossary of terms is
found at the back
of the book for
quick reference.
Learning objectives**

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**begin each chapter,
offering a
measurable
outcome to achieve
by the completing
the material.**

**Learning resources
on the Evolve
companion website
enhance learning
with review
questions and**

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procedures. NEW!

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automated
streaking, MALDI-
TOF, and
incubator
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you in the know on
these progressing
topics. NEW!
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vivid look into book
content and reflect
the latest
procedures. NEW!
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studies on the
Evolve companion
website offer more
opportunities to
improve critical**

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thinking skills.

**Soil and water
salinity is a major
challenge for the
agricultural
community and
policy makers in
terms of meeting
the burgeoning
population's
demand for food
and other**

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**agricultural
commodities. In
coastal regions,
climate change and
sea level rise will
aggravate the
problem with more
and more areas
becoming saline
due to intrusion of
sea water. As such
there is a pressing**

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**need for modern
tools and
innovative
techniques for the
identification of
salty soils and poor-
quality waters,
crop production,
soil reclamation
and lowering the
water table in
waterlogged areas.**

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Tackling next-generation problems such as contamination of soil and underground water due to fluoride and arsenic, as well as developing multi-stress tolerant crops is also a high priority. Further,

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**techniques for
domesticating
halophytes,
mangrove-based
aquacultures, using
seaweed cultures as
agricultural crops
and integrated
farming systems
need to be
perfected. This
book addresses all**

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**these aspects in
detail, highlighting
the diverse
solutions to tackle
the complex
problem of salinity
and waterlogging
and safer
management of
poor-quality
waters. With
chapters written by**

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**leading experts, it is
a valuable resource
for researchers
planning future
investigations,
policy makers,
farmers and other
stakeholders, and
for students
wanting insights
into vital issues of
environment.**

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**This microbiology
textbook was
planned and
executed by me
essentially for the
students of
Medical, Dental
and allied sciences.
I have tried to
make it concise yet
comprehensive.
Also, the language**

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**has been simple,
easy and
straightforward.
With this, let me
hope that this little
book makes its
modest
contribution by
presenting the
subject of medical
microbiology in an
easy, simple and**

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**straightforward
form helping the
undergraduates to
imbibe basic and
applied things on
the subject. The
information in this
text book has
grown out of long
experience in
teaching and
conducting**

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**examinations for
students of
microbiology, as
well as from other
sources. I do
foresee a need to
improve and
expand the scope in
future editions.
Any valuable
suggestion from the
readers will be**

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earnestly

**acknowledged with
thanks.**

**Production,
Isolation and
Purification of
Industrial Products
Essentials of
Hospital Infection
Control
Microbiology
Practical Manual,**

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1st Edition-E-book

**Recent Advances
and Emerging
Challenges - Vol.1
Medical Mycology
Mackie &
Mccartney
Practical Medical
Microbiology
(14Th Edition)**

*This second edition
has been thoroughly*

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updated to keep pace with rapid changes in medical science. The book broadens the reader's knowledge and provides current information regarding the emerging pathogens that are being encountered. Fungal morphology, cultivation identification, pathogenesis pathology

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and laboratory diagnosis of mycoses have been described in detail. The book is divided into seven sections: general topics, superficial cutaneous mycoses, subcutaneous mycoses, systemic mycoses, opportunistic mycoses, miscellaneous mycoses, and

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appendices.

Textbook of Medical Virology presents a critical review of general principles in the field of medical virology. It discusses the description and molecular structures of virus. It addresses the morphology and classifications of viruses. It also demonstrates the

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principal aspects of virus particle structure. Some of the topics covered in the book are the symmetrical arrangements of viruses; introduction to different families of animal viruses; biochemistry of virus particles; the immunological properties and

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biological activities of viral gene products; description of enzymatic activities of viruses; and haemagglutination, cell fusion, and haemolysis of viruses. The description and characteristics of viral antigens are covered. The identification and propagation of viruses in tissue and cell

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cultures are discussed. An in-depth analysis of the principles of virus replication is provided. A study of the morphogenesis of virions is also presented. A chapter is devoted to virus-induced changes of cell structures and functions. The book can provide useful

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*information to
virologists,
microbiologists,
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*This book addresses
basic and applied
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points of
microorganisms in
agro-ecosystems,
namely their functional
role as bio-fertilizers
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Readers will find detailed information on all of the aspects that are required to make a microbe “agriculturally beneficial.” A healthy, balanced soil ecosystem provides a habitat for crops to grow without the need for interventions such as agro-chemicals. No organism in an

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agro-ecosystem can flourish individually, which is why research on the interaction of microorganisms with higher forms of life has increasingly gained momentum in the last 10-15 years. In fact, most of plants' life processes only become possible through interactions with microorganisms.

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Using these “little helpers” as a biological alternative to agro-chemicals is a highly contemporary field of research. The information presented here is based on the authors’ extensive experience in the subject area, gathered in the course of their careers in the field of agricultural

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microbiology. The book offers a valuable resource for all readers who are actively involved in research on agriculturally beneficial microorganisms. In addition, it will help prepare readers for the future challenges that climate change will pose for

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agriculture and will help to bridge the current gaps between different scientific communities.

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sunflower, and safflower. It covers and integrates global literature on the subject up to 2014, setting it apart from other books that are only of regional importance. The authors are internationally recognized experts who have compiled decades of

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*information from
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