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CLLOUD COMPUTING: impact on libraries

INTRODUCTION

Cloud computing can transform the way systems are built and services delivered, providing libraries with an opportunity to extend their impact. Cloud computing has become a major topic of discussion and debate for any business or organization which relies on technology. Anyone connected to the Internet is probably using some type of cloud computing on a regular basis. Whether they are using Google's, Gmail, organizing photos on Flickr or searching the Web with Bing they are engaged in cloud computing.¹

WHAT IS CLOUD COMPUTING?

Cloud Computing is defined as a pool of virtualized computer resources. Based on this Virtualization the Cloud Computing paradigm allows workloads to be deployed and scaled-out quickly through the rapid provisioning of virtual machines or physical machines. A Cloud Computing platform supports redundant, self-recovering, highly scalable programming models that allow workloads to recover from many inevitable hardware/software failures.²

A cloud also monitors resource use in real time to enable rebalancing of allocations when needed. The idea is to move desktop computing to a service-oriented platform using server clusters and huge databases at datacenters. Cloud computing leverages its low cost and simplicity that benefits both users and the providers through providing cost-effective services and pay-per-use pricing model. In cloud computing, everything including software, platform, and infrastructure is as a service.³

HISTORY

The underlying concept of cloud computing dates back to the 1960s, when John McCarthy opined that "computation may someday be organised as a public utility." Almost all the modern-day characteristics of cloud computing (elastic provision, provided as a utility, online, illusion of infinite supply), the comparison to the electricity industry and the use of public, private, government, and community forms, were thoroughly explored in Douglas Parkhill's 1966 book, *The Challenge of the Computer Utility*.⁴ The first scholarly use of the term "cloud computing" was in a 1997 lecture by Ramnath Chellappa.

NEED OF CLOUD COMPUTING ON LIBRARY

- Knowledge explosion
- Problems in access the information
- For save the time of the users and staff
- Resource sharing problems
- Problems in library resources management

PRINCIPLES

Cloud computing solutions can create the new workflows needed by librarians because it offers the

opportunity for a cooperative platform for libraries to build on. There are four key principles of a cooperative platform:

- **Openness**, meaning that services and data are made available to support greater interoperability, not only within and between cloud services, but also with library developed and third-party applications;
- **Extensibility**, meaning that the platform can easily accommodate the addition of new services and applications, developed either by the service provider or by members of the community;
- **Data richness**, meaning that a library can interact with and expose a wide variety of information about purchased, licensed, and digital content through this platform; and
- **Collaboration**, meaning that libraries can harness the collective power of the community of libraries to innovate and share solutions. And it is precisely this that the business world and social media have demonstrated can be done with cloud computing solutions. Through cooperative and community building libraries can have the same possibilities.

WHAT CAN CLOUD COMPUTING SOLUTIONS DO FOR LIBRARIES?

The library community can apply the concept of cloud computing to amplify the power of cooperation and to build a significant, unified presence on the Web.

This approach to computing can help libraries save time and money while simplifying workflows.

A BRIEF LIST OF POTENTIAL AREAS OF IMPROVEMENT COULD INCLUDE:

1. Most library computer systems are built on pre-Web technology
2. Systems distributed across the Net using pre-Web technology are harder and more costly to integrate
3. Libraries store and maintain much of the same data hundreds and thousands of times
4. With library data scatter across distributed systems the library's Web presence is weakened
5. With libraries running independent systems collaboration between libraries is made difficult and expensive
6. Information seekers work in common Web environments and distributed systems make it difficult to get the library into their workflow
7. Many systems are only used to 10% of their capacity. Combining systems into a cloud environment reduces the carbon footprints, making libraries greener

These improvements can be grouped into three basic areas: technology, data and community. Each offers some general and some unique opportunities for libraries. Looking first at the technology that most current library systems employ several benefits of cloud computing solutions surface.⁵

TYPES OF CLOUD COMPUTING SERVICES

Type	What it is	Examples
Infrastructure	open infrastructure that can be used for any purpose	Amazon A3, Amazon EC2, Bungee
Platform	An environment for delivering customized services-site hosting.	Facebook, Duraspace
Software	Software applications that provide 'end user' experiences- serials solutions.	WordPress.com., Worldcat local
Services	Ready to use services accessed with a Web browser	ADP

WEBSCALE MANAGEMENT SERVICE⁶

Webscale management, in conjunction with WorldCat Local, represents the most significant development in librarianship since automation. My anticipation is that WMS will continue to evolve as new technologies and user needs demand."

- Cloud based ILS developed by OCLC.

- Acquisitions, circulation, cataloguing, search
- Cloud based service, data, collaboration,

Some Examples:

Productivity- Google docs, gmail, writes.tm, cloud-canvas.com, ms office online

Publishing- wordpress.com, twitter, yammer, youtube

File storage- flickr, dropbox, jungle disk, google docs

Social networking- facebook, flickr, myspace, foursquare, linkedin

Data/ infrastructure- Amazon EC2, rackspace

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ISBN-13: an overview

INTRODUCTION

The International Standard Book Number (ISBN) is a unique numeric commercial book identifier based upon the 9-digit Standard Book Numbering(SBN) code created by Gordon Foster, Emeritus Professor of Statistics at Trinity College, Dublin, for the booksellers and stationers W.H. Smith and others in 1966. The 10-digit ISBN format was developed by the International Organization for Standardization (ISO) and was published in 1970 as international standard ISO 2108. (However, the 9-digit SBN code was used in the United Kingdom until 1974.) Currently, the ISO's TC 46/SC 9 is responsible for the ISBN. The ISO on-line facility only refers back to 1978.

Since 1 January 2007, ISBNs have contained 13 digits, a format that is compatible with Bookland EAN-13s.

Occasionally, a book may appear without a printed ISBN if it is printed privately or the author does not follow the usual ISBN procedure.

PARTS OF ISBN

The ISBN is 13 digits long if assigned after January 1, 2007, and 10 digits long if assigned before 2007. An International Standard Book Number consists of 4 or 5 parts:

The parts of a 13 digit ISBN has 5 parts.

For example, the ISBN-13: 978-81-7525-766-5 means:

978 : identifier for a Bookland EAN

81 : identifies the country of publication

7525: identifies the publisher

766: identifies the title or edition

5 : the "check digit" to validate the ISBN

The ISBN separates its parts (EAN, group, publisher, title and check digit) with either a hyphen or a space. Other than the check digit, no part of the ISBN will have a fixed number of digits.

CONVERSION OF ISBN-10 INTO ISBN-13

Take all 10 digits of the ISBN-10 and drop the final digit

Prepend the digits "978" onto the front of the nine digits

Calculate a new check digit and tack it on to the end.

For calculation of the check digit have the following procures:

Take each of the 12 digits from step 2, one by one, and multiply them by a number. Multiply the first digit by 1, the second digit by 3, the third digit by 1 again, the fourth digit by 3 again, and so on, alternating 1 and 3 until we get to the twelfth digit.

Example starting ISBN-10 is 817525766

Take first 9 digits. (817525766)

Add 978 in the front of nine digits. (978817525766)

$9 \times 1 = 9$

$7 \times 3 = 21$

$8 \times 1 = 8$

$8 \times 3 = 24$

$1 \times 1 = 1$

$7 \times 3 = 21$

$5 \times 1 = 5$

$2 \times 3 = 6$

$5 \times 1 = 5$

$7 \times 3 = 21$

$6 \times 1 = 6$

$6 \times 3 = 18$

Now add up all 12 of the answers you got in step 3.

$9 + 21 + 8 + 24 + 1 + 21 + 5 + 6 + 5 + 21 + 6 + 18 = 145$

Take the answer from step 4 and perform a modulo 10 division. A modulo 10 division is also called casting out 10s. It's just the remainder when you do a whole number division (as opposed to a decimal division where you expect a decimal fraction answer).

$145 \text{ mod } 10 = 5$, 145 divided by 10 = 14 remainder 5.

Final step of calculating the check digit for a ISBN-13. Take the result from step 5. If it is zero, then the check digit is zero. If the result from step 5 isn't zero, then subtract the result from step 5 from the number 10. That result is the check digit.

$10 - 5 = 5$.

Final step of converting our ISBN-13 from the ISBN-10 is to append the check digit arrived at in step 6 onto the end of the 12 digits we arrived at in step 2. i.e 978-81-7525-766-5

Different Agencies of ISBN

There are 160 ISBN Agencies worldwide which issue ISBNs to publishers.

Some ISBN agencies:

1. Australia ISBN Agency - Thorpe Bowker 2. Brazil Brazilian ISBN Agency 3. Columbia Agencia Colombiana del ISBN 4. Denmark Dansk Biblioteks Center 5. Ecuator Agencia Ecuatoriana del ISBN	6. France AFNIL 7. Germany ISBN-Agentur für die Bundesrepublik Deutschland 8. Hong Kong, China Books Registration Office 9. India Raja Rammohan Roy National Agency for ISBN 10. Japan Japan ISBN Agency
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<p>11.Korea Korea ISBN agency</p> <p>12.Libya ISBN Agency</p> <p>13.Malaysia ISBN National Centre</p> <p>14.Norway The Norwegian ISBN Agency</p> <p>15.Oman Oman ISBN Agency</p> <p>16.Pakistan Pakistan ISBN agency</p> <p>17.Qatar ISBN group agency</p>	<p>18.Russia Russia ISBN agency</p> <p>19.Saudi Arab Book Registration & Numbering Dept</p> <p>20.Turkey ISBN Türkiye Ajansı</p> <p>21.United Arab Emirates Ministry of Information and Culture - Copyright Section - ISBN Agency</p> <p>22.United States R.R. Bowker, LLC - US ISBN Agency</p> <p>23.Venezuela Agencia Venezolana del ISBN</p> <p>24.Zimbabwe National Archives of Zimbabwe</p>
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BENEFITS

1. The transition has been beneficial beyond easing the number shortage.
2. Increase the available number of ISBNs worldwide.
3. Enable conformance to the EAN global numbering system.

CONCLUSION

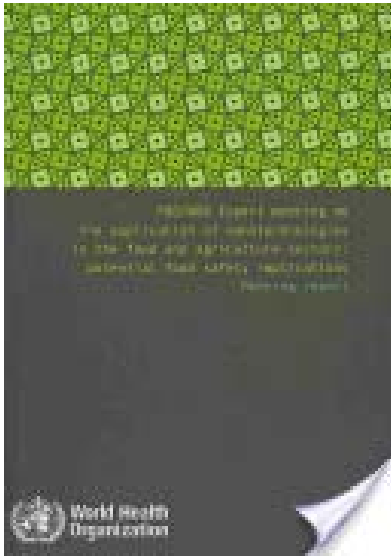
Occasionally, a book may appear without a printed ISBN if it is printed privately or the author does not follow the usual ISBN procedure; however, this can be rectified later. If you want to sell your book worldwide you need an International Standard Book Number (ISBN). The barcodes on the backs of books (and nearly everything else) use International Article Numbers (EANs) which can easily get from ISBN-13 number. The new ISBN regulations went into effect on January 1, 2007. Books published before that date still use the old 10-digit ISBNs; books published after that date use the new 13-digit ISBN.

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5. <http://www.isbn.org> Retrieved on 21/01/2012

NEW ARRIVALS

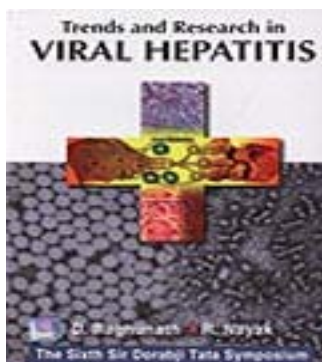
FAO/WHO expert meeting on the application of nanotechnologies in the food and Agriculture sectors: potential food safety



"The advent of nanotechnology has unleashed enormous prospects for the development of new products and applications for a wide range of industrial and consumer sectors. The new technological developments have already opened up a multibillion dollar industry in recent years, the global market impact of which is expected to reach US\$1 trillion by 2015, with around 2 million workers. While the majority of manufacturing and use of nanoscale materials occurs in the United States, the European Union, with its around 30 percent global share of the sector, is not lagging far behind in this field. Like other sectors, nanotechnology promises to revolutionize the whole food chain--from production to processing, storage, and development of innovative materials, products and applications. Although

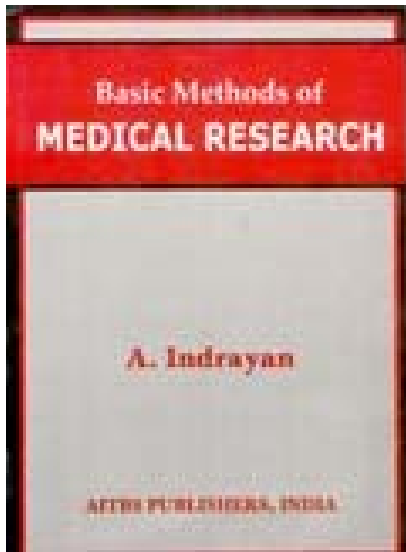
the potential applications of nanotechnology are wide ranging, the current applications in the food and agricultural sectors are relatively few, because the science is still newly emergent . An overview of more than 800 nanotechnology-based consumer products that are currently available worldwide, suggests that only around 10 percent of these are foods, beverages and food packaging products. However, nanotechnology-derived products and applications in these sectors have been steadily increasing in recent years, and are predicted to grow rapidly in the future. This is because the new technologies have a great potential to address many of the industry's current needs"

Trends and Research in Viral hepatitis



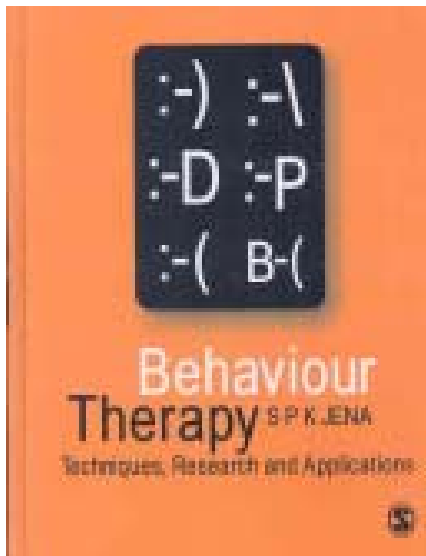
This book contains a collection of papers presented at the Sixth Sir Doraji Tata Symposium held in March 2006 at the Indian Institute of Science Campus Bangalore. The symposium was on research and trends in Viral Hepatitis and covered the history pathology clinical presentation diagnosis treatment and vaccine research. The speakers were from all over India with a significant international contribution.

Basic Methods of Medical Research



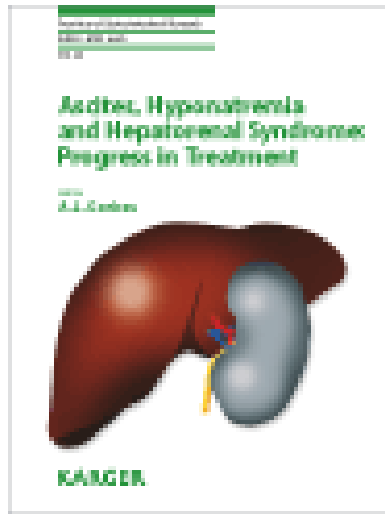
This book on medical research methods provides step by step approach to all aspects of empirical research beginning with selecting a topic and writing a protocol to framing an appropriate design of study method of collection of valid data their collation analysis and interpretation and preparing an evidence based report. Emphasis is on practical aspects. All methods are explained with the help of real life examples. For easy readability each chapter begins with a list of key terms and concepts and ends with a summary. A very comprehensive glossary of terms is provided at the end of the book. The book is helpful in conducting quality research and in producing a credible report. The report could be in the form of a research paper a postgraduate thesis or a full project report.

Behaviour Therapy: Techniques, Research and Applications



Behaviour Therapy is based on the application of principles of learning to change human behaviour. In the last two decades it has grown into a promising scientific discipline. This development is exemplified by extensive research and applications. The present book provides a unifying account of its contemporary developments, linking underlying theories with practice. This book is divided into three sections. In the first section, basic assumptions of behaviour therapy are examined and emerging trends such as radical behaviourism, cognitive behaviourism and systematic eclecticism are dealt with in a systematic manner. In the second section, the techniques of behaviour therapy, their theoretical bases and applications have been illustrated with the help of empirical studies. The concluding section focuses on the contemporary issues of research and practice of behaviour therapy.

Ascites, Hyponatremia and Hepatorenal Syndrome: Progress in Treatment



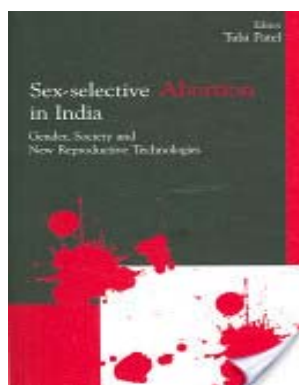
Ascites is the most frequent and hepatorenal syndrome the most lethal complication in liver cirrhosis. In recent years, major progress has been made regarding effective treatment of these complications, thus reducing mortality in patients.

This publication highlights and critically appraises recent achievements and novel advances, and at the same time provides the background needed to grasp novel concepts. Topics treated include complications of paracentesis, the right choice of plasma expanders, and selection of patients who will experience survival benefit from transjugular intrahepatic portosystemic shunt. Hepatorenal syndrome, on the other hand, is responsible for a broad spectrum of manifestations caused by

acute kidney injury, which until recently was considered a lethal condition. Drug treatments to improve renal function and prolong survival are therefore also discussed, including important issues for clinical outcome which are still under debate. Moreover, the role of combined kidney-liver transplantation versus conventional liver-only transplantation is addressed, as well as the use of vaptans in hyponatremia and their controversial role in the treatment of ascites.

Renowned experts share their knowledge and expertise and provide an international perspective. Their contributions include up-to-date references and a bullet-point summary, making this publication most valuable for practitioners, clinicians and scientists in the field.

Sex-selective abortion in India

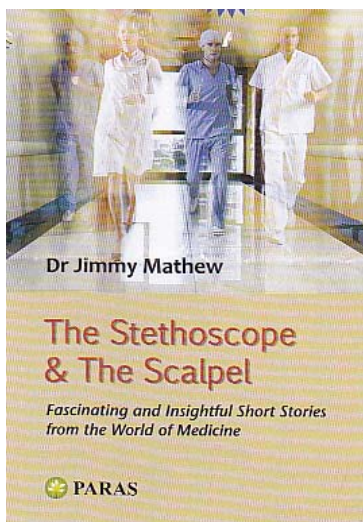


This collection of 11 essays unravels the reasons for the depleting child sex ratio in India. The contributors, all distinguished demographers and social scientists, describe the political economy of sentiments and sexual mores that leads parents to kill unborn daughters.

The contributors examine ways in which reproductive technologies, such as, the ultrasound, are misused at the family, community and state levels. In this

alarming scenario, the volume highlights both the participation and defiance of the various authorities dealing with reproduction, health services and the problem of female foeticide. Engagement with the state is analysed in the light of colonial policies, the law of adoption, health policies, family planning programmes and the Pre-natal Diagnostic Techniques (PNDT) Act of 1994 and its amendment in 2002. Applying a multidisciplinary perspective to the problem of fewer girls being born in India, this volume addresses this critical issue with the help of qualitative and quantitative data, both historical and contemporary

The Stethoscope & the Scalpel

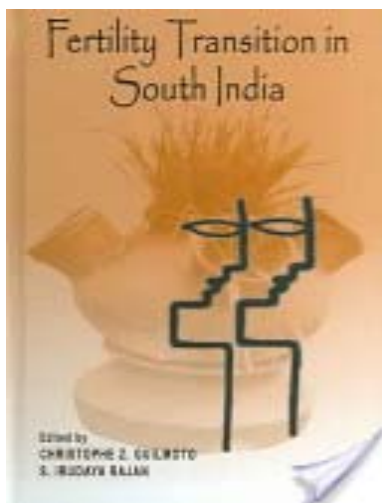


The Stethoscope & the Scalpel is a collection of short stories which captures the rich drama of and give glimpse into the world of medical profession. The stories are based on the experience of the author and his colleagues, best described as anecdotal stories based on true incidents but tinged with an admixture of fiction.

The stories are highly readable humorous, revealing, poignant, bewildering but always humanitarian with a message that can enrich one's life. They are arranged in chronological order starting with the author's student days and going up to his practice as a plastic surgeon.

The book can be read by doctors and laymen alike as the emphasis is less on technical details and more on the human frailties, emotions dreams and memorable interactions.

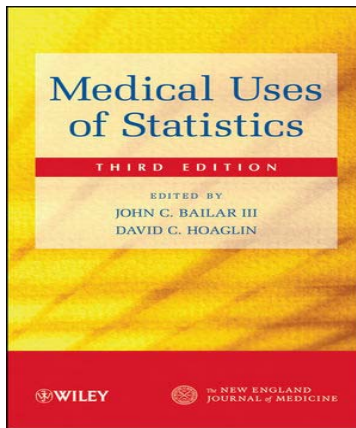
Fertility transition in south India



This volume brings together 13 well-researched and original essays which describe and analyse the trajectory of fertility decline in the south Indian states of Tamil Nadu, Karnataka, Andhra Pradesh and Kerala. Documenting the fact that the fertility decline occurred in regions with vast differences in development indicators, the contributors argue that this transition must be understood as a cumulative result of several factors including family planning policies, socio-economic transformation, and changes in social perceptions towards fertility, contraception, marriage, family and child rearing. Combining various qualitative and quantitative techniques

with field studies and historical analysis, the contributors go beyond the formal tools of demography and develop an original Geographical Information System (GIS), a spatialized database encompassing south Indian districts.

Medical Uses of Statistics



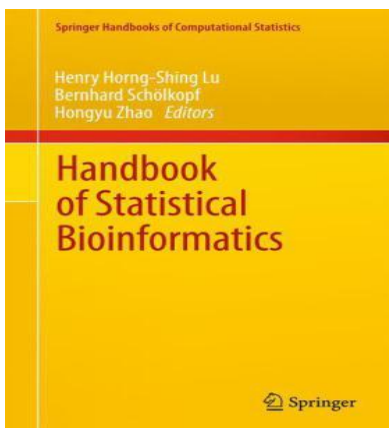
Medical Uses of Statistics has served as one of the most influential works on the subject for physicians, physicians-in-training, and a myriad of healthcare experts who need a clear idea of the proper application of statistical techniques in clinical studies as well as the implications of their interpretation for clinical practice. This *Third Edition* maintains the focus on the critical ideas, rather than the mechanics, to give practitioners and students the resources they need to understand the statistical methods they encounter in modern medical literature.

Exploring Psychology



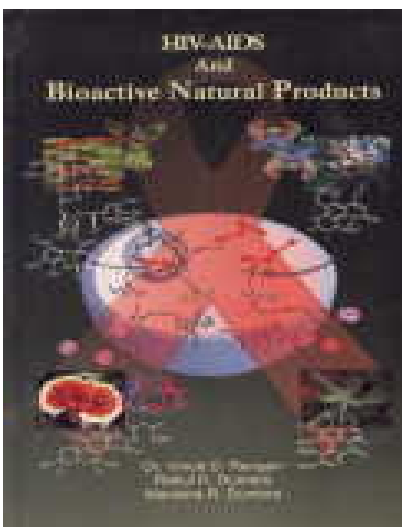
Criticisms of psychology often come from perceptions that it is a fuzzy science. Philosopher Thomas Kuhns' 1962 critique implied psychology overall was in a pre-paradigm state, lacking the agreement on overarching theory found in mature sciences such as chemistry and physics. Psychologists and philosophers have addressed the issue in various ways. Because some areas of psychology rely on research methods such as surveys and questionnaires, critics have asserted that psychology is not an objective science. Other phenomena that psychologists are interested in areas, such as personality, thinking, and emotion, cannot be directly measured and are often inferred from subjective self-reports, which may be problematic. This book provides deep insight into various dimensions of issues relating to the subject.

Handbook of Statistical Bioinformatics



This volume is intended to provide an introductory and reference book for students and researchers who are interested in the recent developments of computational statistics in computational biology.

HIV - AIDS AND Bioactive Natural Products



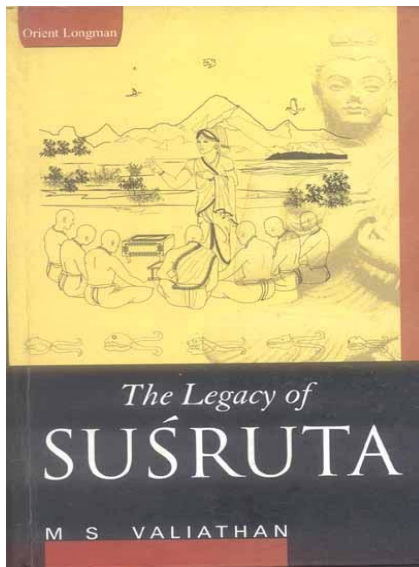
Since the identification of AIDS in 1980s, the spread of the disease has been so dramatic that the number of HIV infected patients has reached to about 40 million as per WHO estimate 2006. The global HIV - AIDS epidemic has killed more than 2.9 million people in 2006. In Asia 8.6 million HIV infected cases have been reported in the year 2006-2007, where in India emerged as a country having largest HIV infected population surpassing South Africa.

Till date there is no complete cure for AIDS and the disease is simply managed by antiretroviral therapy. Constant research for newer drug molecules is going on throughout the world. Many traditionally based medicines are available

world-wide although there is no scientific basis for it. WHO has highlighted the importance of evaluation of plant based drugs for the treatment and management.

Since 1980 a large number of medicinal plants have been extensively evaluated in search of their potential for the fight against HIV-AIDS. Natural products have been reported to have the Anti-HIV activity against variety of enzymes and other structural components of HIV. This book is intended to make a worthwhile contribution to disseminate knowledge and develop awareness about global perspectives on AIDS and bioactive natural products.

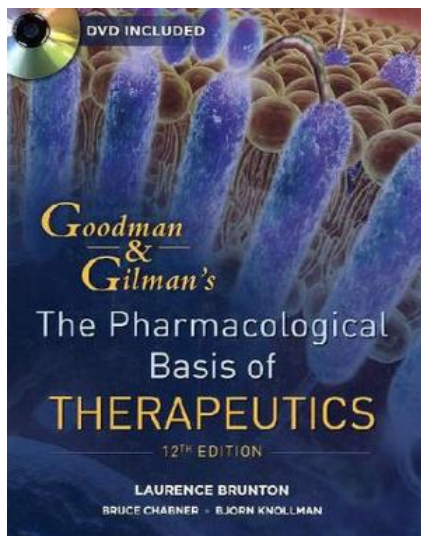
The Legacy of SUSRUTA



Susruta's name is synonymous with India's surgical inheritance. A legendary figure, he is believed to have lived and taught in Varanasi several centuries before the Buddha, and composed the Susrutatantra which became a timeless medical classic. Though the original text was lost long ago a redaction by Nagarjuna survived as Susruta Samhita and won universal acclaim. The Samhita is a study of the human condition in health and disease with undisguised emphasis on surgery, and rivals Caraka's classic in authority. In *The Legacy of Susruta*, the text of Susruta Samhita has been recast in a thematic fashion without sacrificing any of the content of the original chapters. Furthermore, it presents much of the data in tabular form, and features many tables

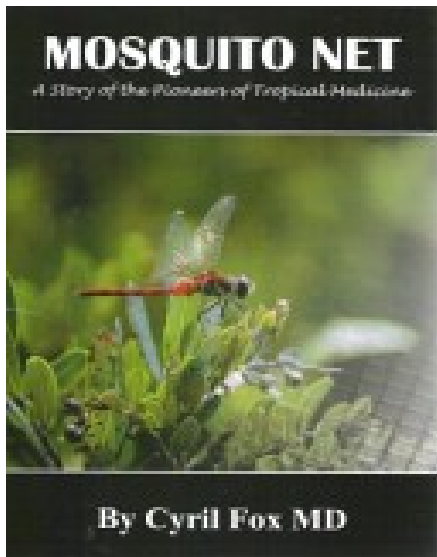
and illustrations in an effort to reach out to readers who may include not only students of ayurveda but also of modern medicine, biological and social sciences and the history of science.

The Pharmacological Basis of Therapeutics



The *Pharmacological Basis of Therapeutics* represents the pinnacle of authority and accuracy in describing the actions and uses of therapeutic agents in relation to physiology and pathophysiology. Goodman & Gilman's careful balance of basic science and clinical application has guided thousands of practitioners and students to a clear understanding of the drugs essential to preventing, diagnosing, and treating disease.

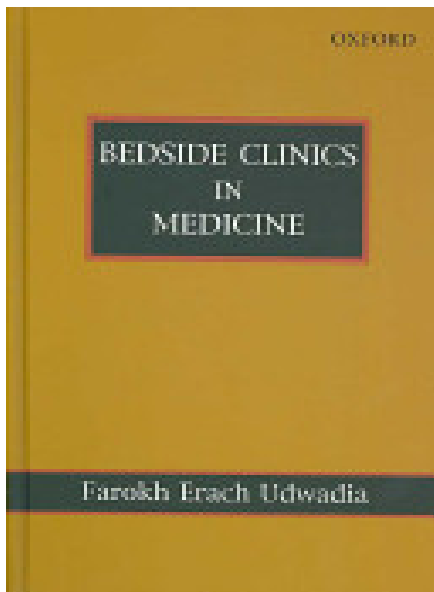
Mosquito Net



Few people would consider the story of four amazing scientists and an insect, to be a romantic history. That, however, is exactly what Dr Cyril Fox has achieved. Make no mistake; this is a serious and incredibly well-researched account of the dedication that helped to substantially reduce the death and misery to humankind represented by the twin scourges of malaria and yellow fever. We may think of research scientists spending their lives in clinical laboratories but here we have men frequently putting their own lives in danger in pursuit of the villain of the piece, the tiny but far from inconsequential mosquito. "Mosquito Net" is not only essential reading for medical and scientific

practitioners. It is also a fascinating tale and told in a manner that renders it to be eminently readable for professional and lay readers alike.

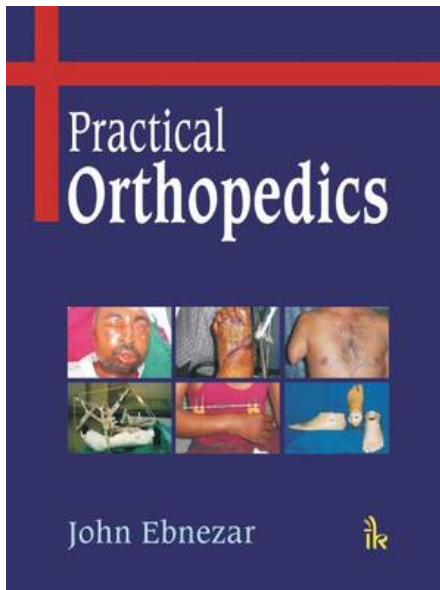
Bedside clinics in Medicine



The mechanism of medicine has emerged, its humanism. The physician no longer ministers to a distinctive person but concerns himself with a particular malfunctioning organ. The distressed patient is frequently forgotten or relegated to the background. A thought process is essential for discussing and understanding a symptom. This book brings the doctor to the bedside of the patient for history, clinical examination, investigation, and finally diagnosis. This book discusses the art of medicine in a simple dialogue style - between the patient and the doctor - and shows through bedside teaching, the treatment of an illness or a disease, rather than the patient. This illustrated volume contains 20 case studies and sensitises the

reader to look at a patient holistically, not just at the body, but at the mind and emotions too. This unique volume teaches medicinal science as an art of healing, where modern medicine is not just restricted to science and technology.

Practical Orthopedics



The presentation in Practical Orthopedics of short and long cases with adequate preferential Supplementation, along with discussion of tentative questions which may be asked in the practical examination makes this book unique and highly useful. Spread in three main sections, it includes profusely illustrated twenty-five chapters. This is the first ever exam-oriented book for students in orthopedics. It deals adequately with all aspects of practical orthopedic examination. It includes discussion on classical long and short exam cases. It covers all aspects of viva voce examination, namely, typical exam X-rays, instruments and implants, specimen and slides, orthotics and prosthetics, common surgical techniques, spotters and ward rounds

etc. It is useful for DNB students, postgraduate students and undergraduate students taking orthopedic exams. It acts as a ready reckoner at the time of examination. It offers tips and suggestions for students to do well in the practical exams. This book is useful for learning practical aspects of orthopedics during their course too. It also offers information about the practical examination format at the national and university levels.

Climate Change- India in Focus, Mitigating Impact of Global Warming



Climate Change- India in Focus, Towards Mitigating Impact of Global Warming covers India's recent thinking / strategies for making environment a development issue towards ecologically sustainable global progress. And, it is a companion volume to earlier book: Global Warming- India's Response to Climate Change, Disaster Mitigation and Adaptation.

Both the books contain latest information on the state of environment in India-2010, and are considered useful reference books for the policy planners, energy and environmental researchers on

the science and politics of Climate Change, activist, social scientists, students, students of inter-disciplinary fields etc to gather and devise future programmes for promoting a sustainable way of life and development.

NEWS

WEB MINING

Web mining - is the application of data mining techniques to discover patterns from the Web. According to analysis targets, web mining can be divided into three different types, which are Web usage mining, Web content mining and Web structure mining.

H-INDEX

The H-index is an index that attempts to measure both the productivity and impact of the published work of a scientist or scholar. The index is based on the set of the scientist's most cited papers and the number of citations that they have received in other publications. The index can also be applied to the productivity and impact of a group of scientists, such as a department or university or country. The index was suggested by Jorge E. Hirsch, a physicist at UCSD, as a tool for determining theoretical physicists' relative quality and is sometimes called the Hirsch index or Hirsch number.

Seminars / Conferences / Workshops in Library/Information

1. International conference on access to legal information and research in digital age [Feb 29, 2012 to March 2, 2012]

Theme/Sub themes

- Legal Education and Research: Current Development in Digital Age
- Role of ICT in Development of Comparative Jurisprudence
- International Law and Globalization in Digital Age
- Current Trends in Legal Publishing : IPR Issues & Challenges
- Licensing for Digital Resources

Location: National Law University, Delhi Sector-14,Dwarka,

City/Town: New Delhi

Website or Map: <http://www.nludelhi.ac.in>

2. International conference on electronic publications 2012

[March 1, 2012 to March 2, 2012]

Theme/Sub themes

General issues related to E-publications

- Emerging Technologies in e-publishing
- Standards in E-publications
- Content authoring and E-publishing
- E-Books and E-journals Applications

General issues related to E-publications

Location: Pondicherry

City/Town: puducherry

Website or Map: <http://icep2012.blogspot.com/>

3. IADIS International Conference on Information Systems [March 10, 2012 at 6pm to March 12, 2012 at 7pm]

Theme/Sub themes

- New Organisational Forms
- Dilution of Organisational Boundaries
- The centrality of IS and IT in Organisational Processes
- IS Management
- Information Management
- Knowledge Management

Location: Online only

Website or Map: <http://lisevents.com/events/2011/virtual-tech-summit>

4. International Conference on Leadership and Innovative Management in Academic Libraries in the Age of New Technology [April 25, 2012 at 6am to April 27, 2012 at 7pm]

Theme/Sub themes

- Modern approaches to effective leadership
- 2. Library management and developmental planning
- Librarian career design
- Building and sharing library resources in a new technology era
- Practice and reflection for subject librarian services

Location: Tongji University, Shanghai, China

Website or Map: <http://www.ic2012.lib.tongji.edu.cn/index2.html>

5. International Conference on Trends in Knowledge and Information Dynamics - ICTK 2012 [July 10, 2012 to July 13, 2012]

Theme/Sub themes

- Trends in Library Education and Research
- Trends in Public Library Services
- Trends in Domain Specific Information Systems and Service
- Trends in Open Access to Information and Data

Location: Bangalore

Website or Map: <http://drtc.isibang.ac.in/>

6. 2012 IASA Annual Conference

[October 6, 2012 to October 11, 2012]

The theme of this conference will be: **"In Transition: Access for All"**

Location: India International Centre, New Delhi

Website or Map: <http://2012.iasa-web.org/>