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# Madras University

## Rank Holders 2010

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Manual of Obstetrics E-book  
Coastal Zone Management  
Introduction to Mathematical Logic  
Web-Based Learning  
Biodegradable Polymers, Blends and Composites  
Principles of Quantitative Development  
Cutting for Stone  
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Biophysics  
Handbook of Research on Advanced Functional  
Materials for Orthopedic Applications  
Kerala, an Authentic Handbook  
The End and the Beginning  
Democratic Transformation and the Vernacular  
Public Arena in India  
Probability on Graphs  
The Dispatches of Field Marshal the Duke of  
Wellington  
The Pall Mall Budget  
The History of British India  
Holy Women, Holy Men  
Journalism Series  
Green Bio-processes  
The Army Air Forces in World War II: Men and  
planes  
Feminist Futures  
Hybrid Image Processing Methods for Medical

Image Examination  
History of Higher Education in South India  
Ultra Low Power Bioelectronics  
Golden-Silk Smoke  
Sanskrit and Other Indian Languages  
Power in the Telling  
English as a Global Language  
Nonlinear Dynamics and Chaos: Advances and Perspectives  
The Great Brain Race  
The Indian Journal of Public Administration  
Fundamentals of Mathematical Statistics  
Asymmetry in Plants  
Table for Four  
Cloud Computing  
How to Do Things with Words  
Mathematics, Statistics & Computer Science  
MIMO-OFDM Wireless Communications with MATLAB  
The Rise of China and India in Africa

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**Manual of  
Obstetrics E-  
book** Elsevier  
Health  
Sciences

"Tobacco has been pervasive in China almost since its introduction from the Americas in the mid-sixteenth century. One-third of the world's smokers--over 350 million--now live in China, and they account for 25 percent of worldwide smoking-related

deaths. This book examines the deep roots of China's contemporary "cigarette culture" and smoking epidemic and provides one of the first comprehensive histories of Chinese consumption in global and comparative perspective"-- Provided by publisher. *Coastal Zone Management* Zed Books Ltd. Biodegradable Polymers, Blends and Composites provides a comprehensive review on

recent developments in this very important research field. The book's chapters cover the various types of biodegradable polymers currently available and their composites, with discussions on preparation, properties and applications. Sections cover natural rubber-based polymer blends, soy-protein, cellulose, chitin, starch-based, PLA, PHBV, PCL, PVA, PBAT-

based blends, Poly (ethylene succinate), PHB and Poly (propylene carbonates). The book will be a valuable reference resource for academic and industrial researchers, technologists and engineers working on recent developments in the area of biodegradable polymers, their blends and composites. Discusses the various types of biodegradable polymers, blends and composites Covers natural

rubber, cellulose, chitin, starch, PLA, PCL and PBAT Features modern processing technologies, properties, applications and biodegradability

**Introduction to Mathematical Logic**

Springer  
The primary purpose of this book is to capture the state-of-the-art in Cloud Computing technologies and applications. The book will also aim to identify potential

research directions and technologies that will facilitate creation a global market-place of cloud computing services supporting scientific, industrial, business, and consumer applications. We expect the book to serve as a reference for larger audience such as systems architects, practitioners, developers, new researchers and graduate level students. This area of research is relatively

recent, and as such has no existing reference book that addresses it. This book will be a timely contribution to a field that is gaining considerable research interest, momentum, and is expected to be of increasing interest to commercial developers. The book is targeted for professional computer science developers and graduate students especially at Masters level.

As Cloud Computing is recognized as one of the top five emerging technologies that will have a major impact on the quality of science and society over the next 20 years, its knowledge will help position our readers at the forefront of the field. *Web-Based Learning* CRC Press  
This book addresses the needs of biologists, biochemists and medical biophysicists for an introduction to the subject.

The text covers a range of topics from quantum mechanics to pre-biotic evolution. Biodegradable Polymers, Blends and Composites Cambridge University Press  
Popular among university applicants and their advisers alike, these guides presents a wide range of information on a specific degree discipline, laid out in tabular format enabling at-a-glance course

comparison. *Principles of Quantitative Development* Elsevier  
Scaffold bone replacements are a safe and effective way to cure bone abnormalities, and porous scaffolds can be manufactured using additive manufacturing technology. When scaffolds are implanted in a damaged location, they quickly connect to the host tissue and integrate, stimulating bone production and development.

The qualities of porous titanium must be matched to the properties of human bones (i.e., age, sex, and hormones). Using subtractive manufacturing, it is extremely difficult to create the complicated porous structure necessary for the desired characteristic. The Handbook of Research on Advanced Functional Materials for Orthopedic Applications highlights current research

pertinent to the orthopedic applications of additive-produced scaffolds in order to consider the latest breakthroughs in the synthesis and multifunctional applications of scaffolds. Covering key topics such as tissue, additive manufacturing, and biomaterial, this major reference work is ideal for industry professionals, engineers, researchers, academicians, practitioners, scholars,

instructors, and students.

**Cutting for Stone**

Princeton University Press  
Plants exhibit forms of asymmetry analogous to "handedness" in bilaterally symmetrical animals. This book explores the evolutionary significance and development of asymmetry. Examples of genetic control include the direction of tendril or stem coiling of many climbing plants; the so-called spiral phyllotaxy and

<p>floral taxy; and contorted petal arrangement is another kind of left- right symmetry in plants; the direction of contortion is fixed in some but not in other plants. The book will underscore tha all phenomena related to handedness start during embryogenesi s itself, with the occurrence of embryo rotation. Key selling features: First consolidated book on Plant Handedness</p>	<p>Relates handedness, asymmetry and chirality to the evolution of different organizational levels in plant biology Emphasizes handedness as a vital governing force in plant functional evolution Provides a new perspective, hitherto ignored, into plant developemtn and evolution Describes how an age-old phenomenon can give scope for investigation from a very</p>	<p>modern interdisciplinar y approach □□□□□□ □□□□□□□□ Univ of California Press Since the structural change in Indian society that began in the 1990s - the result of the liberalisation of the economy, devolution of power, and decentralisatio n of the government-a n unprecedente d, democratic transformation has been taking place. This has caused the emergence of</p>
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unexpected coalitions and alliances across diverse castes, classes, and religious groups according to the issues involved. In this volume, we intend to understand this deepening of democracy by employing a new analytical framework of the 'vernacular public arena' where negotiations, dialogues, debates, and contestations occur among 'vernacular publics'. This reflects the

profound changes in Indian democracy as diverse social groups, including dalits, adivasis, and Other Backward Classes; minorities, women; individuals from rural areas, towns, and cities; the poor and the new middle classes—the 'vernacular publics'—participate in new ways in India's public life. This participation is not confined to electoral politics, but has extended

to the public arenas in which these groups have begun to raise their voice publicly and to negotiate and engage in dialogue with each other and the wider world. Contributors demonstrate that the participation of vernacular publics has resulted in the broadening of Indian democracy itself which focuses on the ways of governance, improving people's lives, life chances, and living environments.



<p>An original, comprehensive study that furthers our understanding of the unfolding political dynamism and the complex reshuffling and reassembling taking place in Indian society and politics, this book will be relevant to academics with an interest in South Asian Studies from a variety of disciplines, including Political Science, Sociology, Anthropology, and Media Studies. The</p>	<p>Open Access version of this book, available at <a href="http://www.taylorfrancis.com">http://www.taylorfrancis.com</a>, has been made available under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license. <i>Biophysics</i> University of Washington Press First published in Germany in 1929, <i>The End and the Beginning</i> is a lively personal memoir of a vanished world and of a rebellious, high-spirited</p>	<p>young woman's struggle to achieve independence. Born in 1883 into a distinguished and wealthy aristocratic family of the old Austro-Hungarian Empire, Hermynia Zur Muhlen spent much of her childhood travelling in Europe and North Africa with her diplomat father. After five years on her German husband's estate in czarist Russia she broke with both her family and her</p>
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husband and set out on a precarious career as a professional writer committed to socialism. Besides translating many leading contemporary authors, notably Upton Sinclair, into German, she herself published an impressive number of politically engaged novels, detective stories, short stories, and children's fairy tales. Because of her outspoken opposition to National

Socialism, she had to flee her native Austria in 1938 and seek refuge in England, where she died, virtually penniless, in 1951. This revised and corrected translation of Zur Muhlen's memoir - with extensive notes and an essay on the author by Lionel Gossman - will appeal especially to readers interested in women's history, the Central European aristocratic world that came to an

end with the First World War, and the culture and politics of the late nineteenth and early twentieth centuries.

**Handbook of Research on Advanced Functional Materials for Orthopedic Applications**

Routledge  
This introduction to some of the principal models in the theory of disordered systems leads the reader through the basics, to the very edge of contemporary research, with

the minimum of technical fuss. Topics covered include random walk, percolation, self-avoiding walk, interacting particle systems, uniform spanning tree, random graphs, as well as the Ising, Potts, and random-cluster models for ferromagnetism, and the Lorentz model for motion in a random medium. This new edition features accounts of major recent progress,

including the exact value of the connective constant of the hexagonal lattice, and the critical point of the random-cluster model on the square lattice. The choice of topics is strongly motivated by modern applications, and focuses on areas that merit further research. Accessible to a wide audience of mathematicians and physicists, this book can be used as a graduate course text.

Each chapter ends with a range of exercises. **Kerala, an Authentic Handbook** Cambridge University Press  
In view of better results expected from examination of medical datasets (images) with hybrid (integration of thresholding and segmentation) image processing methods, this work focuses on implementation of possible hybrid image examination techniques for

<p>medical images. It describes various image thresholding and segmentation methods which are essential for the development of such a hybrid processing tool. Further, this book presents the essential details, such as test image preparation, implementation of a chosen thresholding operation, evaluation of threshold image, and implementation of segmentation</p>	<p>procedure and its evaluation, supported by pertinent case studies. Aimed at researchers/graduate students in the medical image processing domain, image processing, and computer engineering, this book: Provides broad background on various image thresholding and segmentation techniques Discusses information on various assessment metrics and</p>	<p>the confusion matrix Proposes integration of the thresholding technique with the bio-inspired algorithms Explores case studies including MRI, CT, dermoscopy, and ultrasound images Includes separate chapters on machine learning and deep learning for medical image processing <u>The End and the Beginning</u> Penguin UK Web-Based Learning:</p>
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Theory, Research, and Practice explores the state of the art in the research and use of technology in education and training from a learning perspective. This edited book is divided into three major sections: \*Policy, Practice, and Implementation Issues -- an overview of policy issues, as well as tools and designs to facilitate implementation of Web-based learning;

\*Theory and Research Issues -- a look at theoretical foundations of current and future Web-based learning; the section also includes empirical studies of Web-based learning; and \*Summary and Conclusions -- highlights key issues in each chapter and outlines a research and development agenda. Within this framework the book addresses several important

issues, including: the primacy of learning as a focus for technology; the need to integrate technology with high standards and content expectations; the paucity of and need to support the development of technology-based curriculum and tools; the need to integrate assessment in technology and improve assessment through the use of technology; and the need for theory-

driven research and evaluation studies to increase our knowledge and efficacy. Web-Based Learning is designed for professionals and graduate students in the educational technology, human performance, assessment and evaluation, vocational/technical, and educational psychology communities. Democratic Transformation and the Vernacular Public Arena in India John

Wiley & Sons  
This volume discusses recent advancements to the age old practice of using microbial enzymes in the preparation of food. Written by leading experts in the field, it discusses novel enzymes and their applications in the industrial preparation of food to improve taste and texture, while reducing cost and increasing consistency. This book will be of interest

to both researchers and students working in food technology. *Probability on Graphs* Woodhead Publishing  
This book is a collection of papers contributed by some of the greatest names in the areas of chaos and nonlinear dynamics. Each paper examines a research topic at the frontier of the area of dynamical systems. As well as reviewing recent results, each paper also discusses

the future perspectives of each topic. The result is an invaluable snapshot of the state of the world by some of the most important researchers in the area. The first contribution in this book (the section entitled "How did you get into Chaos?") is actually not a paper, but a collection of personal accounts by a number of participants of the conference held in Aberdeen in September

2007 to honour Celso Grebogi's 60th birthday. At the instigation of James Yorke, many of the most well-known scientists in the area agreed to share their tales on how they got involved in chaos during a celebratory dinner in Celso's honour during the conference. This was recorded in video, we felt that these accounts were a valuable historic document for the world. So we decided to

transcribe it and include it here as the first section of the book. The Dispatches of Field Marshal the Duke of Wellington Trotman Education In recent years, China and India have become the most important economic partners of Africa and their footprints are growing by leaps and bounds, transforming Africa's international relations in a dramatic way. Although the

overall impact of China and India's engagement in Africa has been positive in the short-term, partly as a result of higher returns from commodity exports fuelled by excessive demands from both countries, little research exists on the actual impact of China and India's growing involvement on Africa's economic transformation . This book examines in detail the opportunities

and challenges posed by the increasing presence of China and India in Africa, and proposes critical interventions that African governments must undertake in order to negotiate with China and India from a stronger and more informed platform. *The Pall Mall Budget* Sultan Chand & Sons This is a compact introduction to some of the principal topics of mathematical logic . In the

belief that beginners should be exposed to the most natural and easiest proofs, I have used free-swinging set-theoretic methods. The significance of a demand for constructive proofs can be evaluated only after a certain amount of experience with mathematical logic has been obtained. If we are to be expelled from "Cantor's paradise" (as nonconstructive set theory was called by Hilbert), at least we



should know what we are missing. The major changes in this new edition are the following. (1) In Chapter 5, Effective Computability, Turing-computability IS now the central notion, and diagrams (flow-charts) are used to construct Turing machines. There are also treatments of Markov algorithms, Herbrand-Godel-computability, register machines, and random access machines.

Recursion theory is gone into a little more deeply, including the s-m-n theorem, the recursion theorem, and Rice's Theorem. (2) The proofs of the Incompleteness Theorems are now based upon the Diagonalization Lemma. Lob's Theorem and its connection with Godel's Second Theorem are also studied. (3) In Chapter 2, Quantification Theory, Henkin's proof of the

completeness theorem has been postponed until the reader has gained more experience in proof techniques. The exposition of the proof itself has been improved by breaking it down into smaller pieces and using the notion of a scapegoat theory. There is also an entirely new section on semantic trees. [The History of British India](#) Alpha Science Int'l Ltd. This book is based on the

classic 'Holland and Brews Manual of Obstetrics'. The fourth edition is comprehensive with clear concepts, concrete up-to-date knowledge and student friendly "one stop obstetrics textbook". Basic principles, investigations, management options as well as the recent advances have all been explained in a simple and systematic manner. The information given is evidence based and as

per international guidelines and management protocols. Salient Features Every chapter has been thoroughly revised and updated with recent advances in Obstetrics The book has been made comprehensive with addition of new content, algorithms, figures, drug regimens and tables Several new chapters, Decision Making in Obstetrics, Management of Post-caesarean

Pregnancy, Obstetric History Taking, Obstetric Examination, Labour Care - Ready Reckoner added Chapters on Specimens and Instruments in Obstetrics have been added to aid students to prepare for viva voce The format is modified to help not only students in obstetrics but also the practicing obstetricians Points to Remember added with each chapter

highlighting important information

**Holy Women, Holy Men**

Valarum Ariviyal

This book provides, for the first time, a broad and deep treatment of the fields of both ultra low power electronics and bioelectronics. It discusses fundamental principles and circuits for ultra low power electronic design and their applications in biomedical systems. It

also discusses how ultra energy efficient cellular and neural systems in biology can inspire revolutionary low power architectures in mixed-signal and RF electronics. The book presents a unique, unifying view of ultra low power analog and digital electronics and emphasizes the use of the ultra energy efficient subthreshold regime of transistor operation in

both. Chapters on batteries, energy harvesting, and the future of energy provide an understanding of fundamental relationships between energy use and energy generation at small scales and at large scales. A wealth of insights and examples from brain implants, cochlear implants, bio-molecular sensing, cardiac devices, and bio-inspired systems make the book

useful and engaging for students and practicing engineers. Journalism Series John Wiley & Sons This Book Features The Influence And Interaction Of Sanskrit With Prakrit, Hindi Apabhhransha, Urdu, Bangla, Tamil, Telugu, Kannada, Malayalam, Assamese, Punjabi, Kashmiri And Gujarati. It Modestly Attempts To Cover Various Aspects Of Mutual Reciprocation Between Sanskrit And Other Indian

Languages. **Green Bio-processes** Springer It is their last evening together. Maya, Sandra and Derek, graduate students at UC Santa Cruz and house-mates for three years, are preparing for dinner with Uncle Prithvi, the house-owner. It's a cheerful and quirky household: Sandra is prone to 'Orkut attacks'; Derek silently pines for the wistful-looking Afghan boy in the photo on

his wall; Maya, who has the hots for Derek, is inexplicably terrified of the ocean; and the elusive Uncle Prithvi communicates through notes he leaves all over the place. Sad at parting, perhaps forever, and half tipsy, Maya, Sandra and Uncle Prithvi play a game of wapping stories as they wait for Derek to arrive. As the evening progresses, we learn their deep, dark secrets and hidden fears.

Sandra,  
abandoned at  
birth, talks  
about growing  
up in an  
orphanage  
with her  
precious twin,  
disabled  
Solana, only  
to be  
separated by  
circumstances  
; Uncle Prithvi  
rues the loss  
of his beloved

daughter,  
whom he  
betrayed  
when he  
sought a new  
life with Karen  
in the US.  
Maya, the  
narrator, can't  
bring herself  
to open  
up—except  
when alone.  
And Derek  
avoids  
revealing  
himself

altogether as  
he doesn't  
turn up at all.  
Finely crafted  
and deeply  
felt, Table for  
Four is a  
rumination on  
the burden of  
secrets, of  
learning to let  
go and  
accepting the  
betrayals and  
losses in our  
lives.