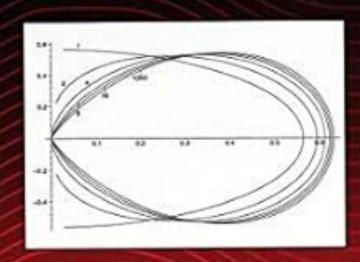


## Modern Statistical, Systems, and GPSS Simulation

#### Second Edition



Zaven A. Karian Edward J. Dudewicz



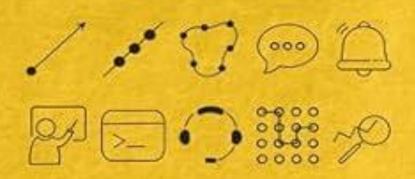
Acc. No : 49605

Call No : 003.35133 KAR-Z

Modern Statistical Systems, and GPSS Simulation, Edition, Second introduces the theory implementation of discrete event simulation. This text establishes theoretical basis for simulation methodology and details an important simulation language, the General Purpose Simulation System. Integrates these two elements in a systems simulation case study. Valuable additions to the second edition include coverage of random number generators with astronomic period, new entropy-based uniformity tests, gamma variate generation, results on the GLD, and variance reduction techniques. GPSS, PC is an interactive implementation of GPSS for the IBM-PC compatible family of microcomputers. The disk accompanying **Modern Statistical Systems and GPSS Simulation...** 

### DECODING GPT

An intuitive understanding of Large Language Models



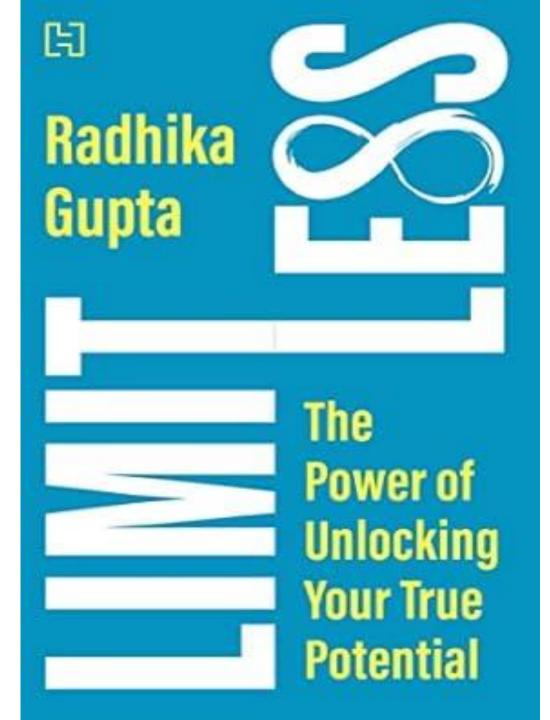
Devesh Rajadhyax



Acc. No : 49106

Call No : 006.3 RAJ-D

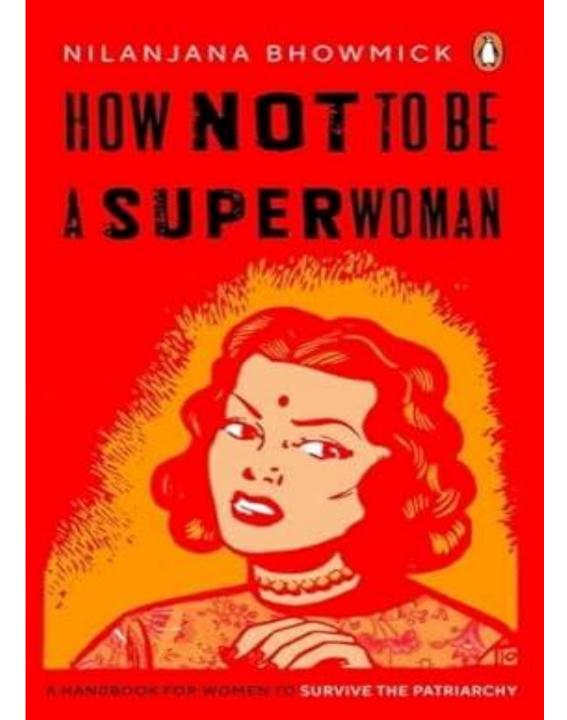
In a world where Large Language Models like ChatGPT have ignited imaginations, individuals from all walks of life are eager to embrace the transformative potential of Generative AI. Whether you're a tech professional, decision-maker, an entrepreneur, or a budding student, the pursuit of understanding this new paradigm is a shared endeavor. It's within this landscape that Decoding GPT, An Intuitive Introduction to LLMs' emerges as your essential guide. Now, as the author of Decoding GPT, Devesh Rajadhyaksha invites you to join him on a journey into the heart of LLMs. This book starts with the fundamentals of machine learning and neural networks and then dives into the inner workings of Large Language Models, all while keeping complex math and programming at bay. Instead, it employs clear...





Call No : 153.12 GUP-R

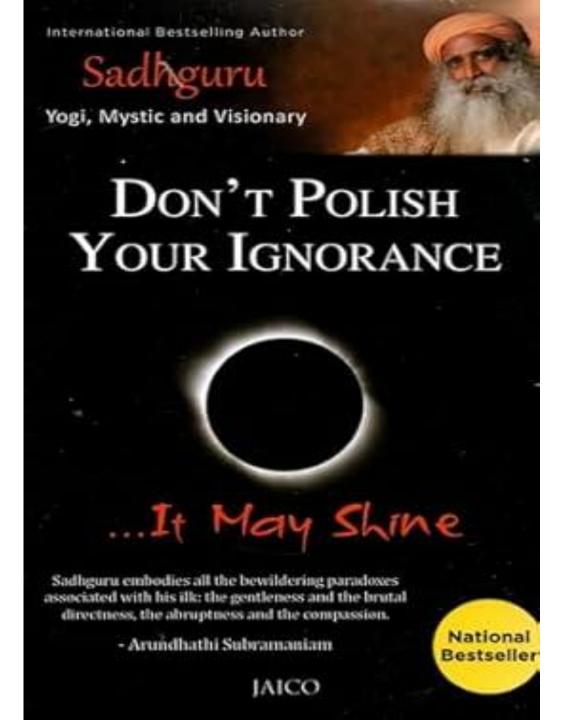
The world is full of possibilities. Each of us has infinite potential to fly. This book tells you how to soar. What do you do when you are rejected for your dream job and can't deal with one more person telling you to be strong? What stops you from asking for that big role at work when you know you have a shot at getting it? For most of us, the world of work isn't easy to navigate, and life's challenges rarely have simple answers. In Limitless, Radhika Gupta, one of the youngest CEOs in India's financial services sector and creator of the viral YouTube video The Girl with a Broken Neck, offers straight-talking advice on how you can multiply your chances at achieving success. It begins, she says, by investing in the most valuable asset you possess, your own ambition. Embrace your uniqueness. Recognize the role your...





Call No : 158.1 BHO-N

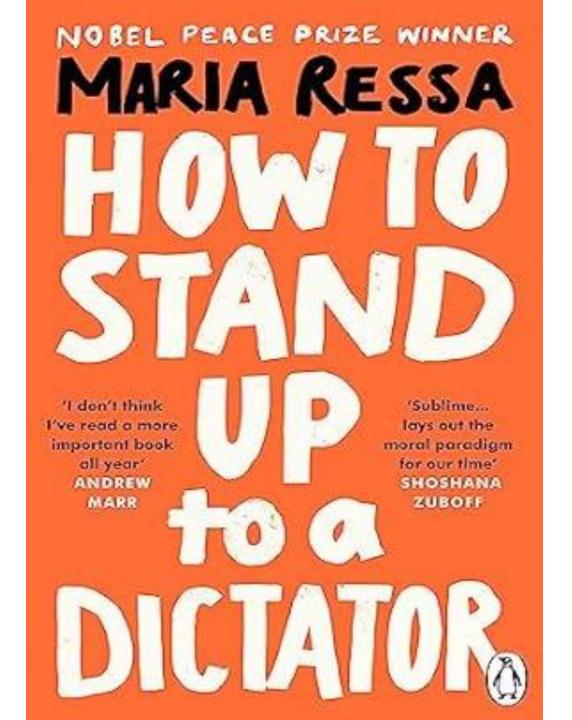
In How Not to Be a Superwoman, Nilanjana Bhowmick explores the immense pressure women face to excel in every role as mothers, career women, partners, and friends, and the toll this pursuit takes on their mental health and happiness. Her compelling work unveils the raw, real stories of diverse women who have broken free from the relentless cycle of perfectionism and offers insightful, practical advice on achieving balance and joy that comes from embracing one's true self. Through a feminist lens, she confronts and rejects society's unrealistic expectations while advocating for a life of fulfilment, self-compassion, and genuine empowerment. This is a must-read for women seeking to liberate themselves from the exhausting superwoman ideal and embrace a more self-loving, balanced way of...





Call No : 294.544 SAD-D

The persistent questions of seekers fill this book. It's all here, the pain, the confusion, the raging gut-level thirst, all that it means to be human and alive and wanting. And through it all are the clear, strong, unwavering tones of a master who reminds us that the only thing that lies between the human and the divine, the finite and the boundless, the seeking and the finding, is choice. What does that choice entail? Not the acquisition of any pathbreaking wisdom, but a determined refusal to strengthen one's ignorance, to reinforce one's deceptions, to goldplate one's limitations. The danger, Sadhguru tells us, does not lie in being in the dark that can be dispelled for anyone who genuinely desires it, but in settling for an easy brilliance, a spurious radiance. The danger does not lie...





Call No : 305.4307 RES-M

What will you sacrifice for the truth? Maria Ressa has spent decades speaking truth to power. But her work tracking disinformation networks seeded by her government, spreading lies to its citizens, laced with anger and hate, has landed her in trouble with the most powerful man in the country: President Duterte. Now, hounded by the state, she has 10 arrest warrants against her name, and a potential 100+ years behind bars to prepare for while she stands trial for speaking the truth. How to Stand Up to a Dictator is the story of how democracy dies by a thousand cuts, and how an invisible atom bomb has exploded online that is killing our freedoms. It maps a network of disinformation, a heinous web of cause and effect that has netted the globe: from Duterte's drug wars, to America's Capitol...



#### SOUTHERNIZING SOCIOLINGUISTICS

COLONIALISM, RACISM, AND PATRIARCHY IN LANGUAGE IN THE GLOBAL SOUTH

> Edited by Bassey E. Antia and Sinfree Makoni



Acc. No : 49568

Call No : 306.44 ANT-B

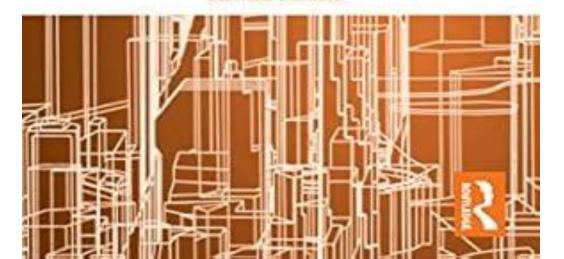
This innovative collection offers a pan-Southern rejoinder to hegemonies of Northern sociolinguistics. It showcases voices from the Global South that substitute alternative and complementary narrations of the link between language and society for canonical renditions of the field. Drawing on Southern epistemologies, the volume critically explores the entangled histories of racial colonialism, capitalism, and patriarchy in perpetuating prejudice in and around language as a means of encouraging the conceptualization of alternative epistemological futures for sociolinguistics. The book features work by both established and emerging scholars, and is organized around four parts: The politics of the constitution of language, and its metalanguage, in the Global South, Who gets...



## THE PHILOSOPHY OF CAUSALITY IN ECONOMICS

CAUSAL INFERENCES AND POLICY PROPOSALS

Mariusz Maziarz



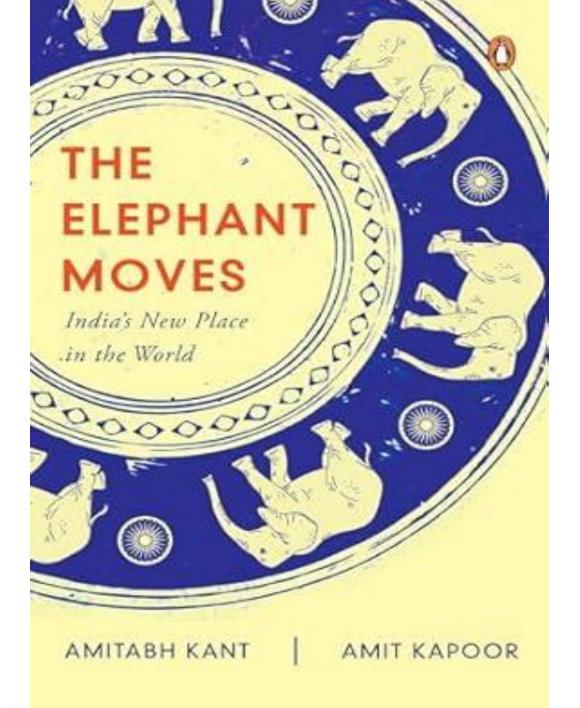


Acc. No : 49665

Call No : 330.01 MAZ-M

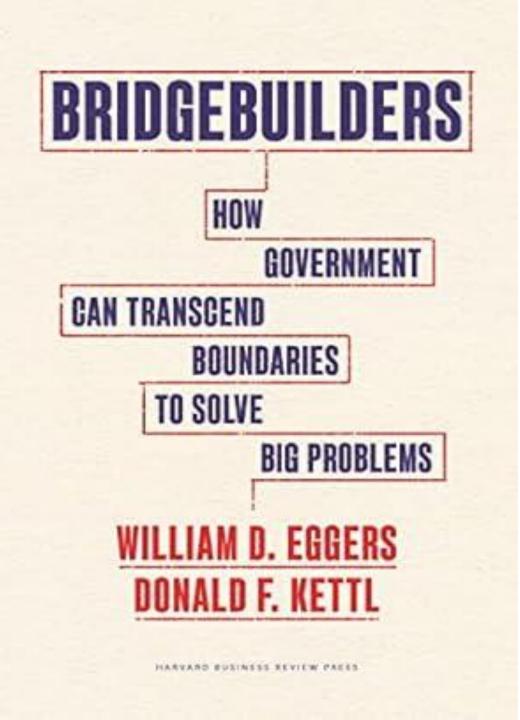
Approximately one in six top economic research papers draws an explicitly causal conclusion. But what do economists mean when they conclude that A causes B? Does cause say that we can influence B by intervening on A, or is it only a label for the correlation of variables? Do quantitative analyses of observational data followed by such causal inferences constitute sufficient grounds for guiding economic policymaking? The Philosophy of Causality in Economics addresses these questions by analyzing the meaning of causal claims made by economists and the philosophical presuppositions underlying the research methods used. The book considers five key causal approaches: the regularity approach, probabilistic theories, counterfactual theories, mechanisms, interventions, and...





Call No : 338.0954 KAN-A

Charting out a roadmap for India depends on a sound understanding of how India is unique and why it is shaped the way it is. The Elephant Moves unfolds a captivating saga, tracing India's economic journey through the lens of competitiveness. From unraveling economic history origins unveiled to navigating global dynamics, sailing the tides, the book explores the forces shaping nations. It delves into the facets of many Indias, unveiling opportunities in heterogeneity. Envisioning India's path to a developed economy by 2047, the book addresses challenges such as job creation, policy implementation, and the imperative for shared prosperity that are met through guiding principles grounded in shared value, social progress, and prosperity. Providing a dynamic vision for India's...





Call No : 353 EGG-W

Pandemics. Climate change. Refugee resettlement. Global supply chains. We face a new generation of complex problems that stretch across the public and private sectors and flow over organizational boundaries. To meet the moment, we need a fresh, new approach that strengthens institutions and government agencies by breaking free from organizational boxes and rigid, top-down leadership. As William D. Eggers, executive director of Deloitte's Center for Government Insights, and Donald F. Kettl, public management scholar, show in this indispensable book, we need a government of bridgebuilders who collaborate with partners inside and outside government to get the job done. These leaders manage horizontally instead of vertically; they see their role as connectors; and they identify which players...





## ALGEBRAIC STRUCTURES IN NATURAL LANGUAGE

Edited by
Shalom Lappin
Jean-Philipe Bernardy



Acc. No : 49611

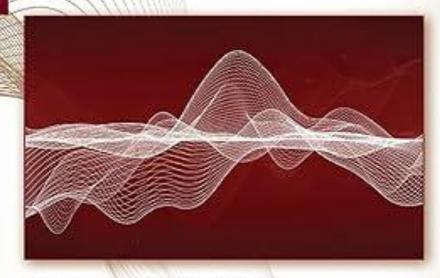
Call No : 401.93 LAP-S

Algebraic Structures in Natural Language addresses a central problem in cognitive science concerning the learning procedures through which humans acquire and represent natural language. Until recently, algebraic systems have dominated the study of natural language in formal and computational linguistics, AI, and the psychology of language, with linguistic knowledge seen as encoded in formal grammars, model theories, proof theories, and other rule-driven devices. Recent work on deep learning has produced an increasingly powerful set of general learning mechanisms which do not apply rulebased algebraic models of representation. The success of deep learning in NLP has led some researchers to question the role of algebraic models in the study of human language acquisition and...



#### WAVELET ANALYSIS

BASIC CONCEPTS AND APPLICATIONS



SABRINE ARFAOUI
ANOUAR BEN MABROUK
CARLO CATTANI



Acc. No : 49570

Call No : 515.2433 ARF-S

Wavelet Analysis, Basic Concepts and Applications provides a basic and self-contained introduction to the ideas underpinning wavelet theory and its diverse applications. This book is suitable for master's or PhD students, senior researchers, or scientists working in industrial settings, where wavelets are used to model real-world phenomena and data needs such as finance, medicine, engineering, transport, images, signals, etc. Offers a self-contained discussion of wavelet theory. Suitable for a wide audience of post-graduate students, researchers, practitioners, and theorists. **Provides** researchers with detailed proofs. Provides guides for readers to help them understand and practice wavelet analysis in different areas. Nowadays, wavelets are applied almost everywhere in science. Both pure fields...



#### BASIC MOLECULAR QUANTUM MECHANICS

Steven A. Adelman

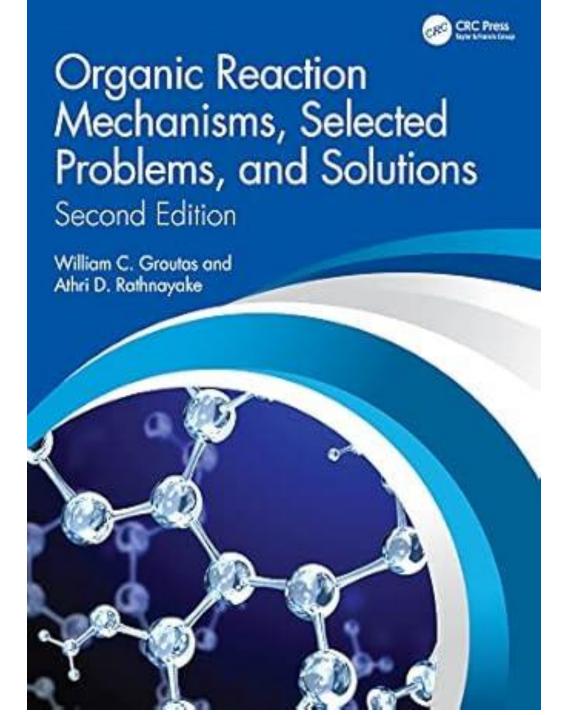




Acc. No : 49566

Call No : 530.12 ADE-S

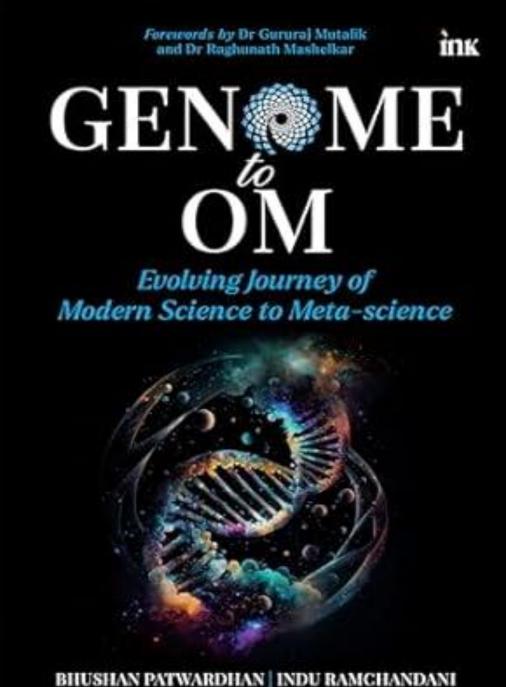
Quantum mechanics is a general theory of the motions, structures, properties, and behaviors of particles of atomic and subatomic dimensions. While quantum mechanics was created in the first third of the twentieth century by a handful of theoretical physicists working on a limited number of problems, it has further developed and is now applied by a great number of people working on a vast range of problems in wide areas of science and **Basic Molecular Quantum Mechanics** technology. introduces quantum mechanics by covering the fundamentals of quantum mechanics and some of its most important chemical applications: vibrational and rotational spectroscopy and electronic structure of atoms and molecules. Thoughtfully organized, the author builds up quantum mechanics systematically...





Call No: 540 GRO-W

This fully updated new edition presents organic reaction mechanism questions, carefully selected from the primary chemical literature, to understand how reactants are transformed into products. The author explains step-by-step solutions to all problems with appropriate contextual comments explaining the rationale and reasoning underlying each step, and identifying the underlying principles involved in each question. In the process, the reader gains a better understanding of the fundamental principles of organic chemistry and how to become proficient in using the Lewis acid/Lewis base concept to complete organic reactions without resorting to memorization. questions are graded in difficulty, with Part A containing questions aimed at students taking the sophomore...





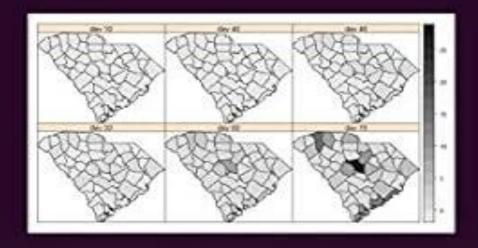
Call No : 572.82 PAT-B

Spectacular advances in modern science and technology have made our lives more comfortable but not necessarily healthier or more peaceful. We are facing serious existential risks for nature and humanity where the developments are challenging our understanding. Genome to Om explores the desired transition from modern science to metascience, blending ethical, moral, spiritual insights while recognizing and interconnectedness of all aspects of life. It emphasizes a holistic scientific approach, talking of the marvels of science and technology, and the consequent perils that have engulfed all living beings and the planet itself. The authors pose intriguing questions about the wonders of the cosmos, life's origin, and most of all, the goal and purpose of life's journey. Genome represents the...

#### The R Series



#### Using R for Bayesian Spatial and Spatio-Temporal Health Modeling



Andrew B. Lawson



Acc. No : 49612

Call No : 610.21 LAW-A

Progressively more and more attention has been paid to how location affects health outcomes. The area of disease mapping focuses on these problems, and the Bayesian paradigm has a major role to play in the understanding of the complex interplay of context and individual predisposition in such studies of disease. Using R for Bayesian Spatial and Spatio-Temporal Health Modeling provides a major resource for those interested in applying Bayesian methodology in small area health data studies. Review of R graphics relevant to spatial health data. Overview of Bayesian methods and Bayesian hierarchical modeling as applied to spatial data. Bayesian Computation and Goodness-of-Fit. Review of basic Bayesian disease mapping models. **Spatio-temporal modeling with MCMC and...** 



## OF CEMENTITIOUS MATERIALS

GEERT DE SCHUTTER KAREL LESAGE

MODERN CONCRETE TECHNOLOGY 23



Acc. No : 49630

Call No : 620.13 SCH-G

This book reports on cutting-edge research within the new field of active rheology control of cementitious materials, presenting new ideas developed within the **ERC Advanced Grant Project, SmartCast hosted at Ghent** University, which extend the possibilities of admixtures and additions beyond current options. The research presented here develops a new method of actively controlling the rheology of fresh concrete during casting operations by incorporating specially designed responsive components. This results in real-time changes to the rheological behavior of the cementitious material, allowing the user to intervene actively after the cementitious material has left the mixing phase. This newly gained agility contributes to increased processing speed and placement reliability in...



#### Lithium-Related Batteries

**Advances and Challenges** 



Edited by Ngoc Thanh Thuy Tran, Wen-Dung Hsu, Jow-Lay Huang, and Ming-Fa Lin



Acc. No : 49637

Call No : 621.31242 TRA-N

This book serves as a comprehensive treatment of the advanced microscopic properties of lithium- and sodium-based batteries. It focuses on the development of the quasiparticle framework and the successful syntheses of cathode/electrolyte/anode materials in these batteries. Highlights lithium-ion and sodium-ion batteries as well as lithium sulfur, aluminum, and ironrelated batteries. Describes advanced battery materials and their fundamental properties. Addresses challenges to improving battery performance. Develops theoretical predictions and experimental observations under a unified quasiparticle framework. Targets core issues such as stability and efficiencies. Lithium-Related Batteries: Advances and Challenges will appeal to researchers and advanced students working in battery...





#### Sustainable Civil Engineering

Principles and Applications

Varinder Singh Kanwar Sanjay Kumar Shukla Siby John Harpreet Singh Kandra



Acc. No : 49659

Call No : 624.0286 KAN-V

This reference text establishes linkages between the user industries and the providers of clean technologies and sustainable materials for a rapid transformation of the small and medium-sized enterprises. The text covers several aspects of sustainable applications including clean technologies, climate change and its effects, sustainable buildings smart cities, sustainability in road construction, sustainable use of geosynthetic, innovative materials, and sustainable construction practices. The text will be useful for senior undergraduate students, graduate students, and researchers in the fields of civil infrastructure-related engineering other and professionals and planners. This book discusses clean technologies and sustainable materials in depth. Covers concepts of sustainability in road construction, and...





## VALORIZATION OF DREDGED SEDIMENTS AS SUSTAINABLE CONSTRUCTION RESOURCES

Edited by Amine El Mahdi Safhi



Acc. No : 49670

Call No : 628.4 SAF-A

Valorization of Dredged Sediments as Sustainable Construction Resources provides a comprehensive and up-to-date overview of research on the reuse of sediments as a raw material for civil engineering fields. Dredging is increasing in scale worldwide, while deep sea disposal is being eliminated and landfill disposal is becoming less sustainable. Yet these sediments offer a potentially useful resource for constructing pavements, soil, bricks, ceramic and clinker, for they provide fine and lightweight aggregates, supplementary cementitious materials and geopolymer binders. This has sparked considerable research on valorization, which is presented here. Covers the main re-uses of sediments and the valorization required. Focuses on state-of-theart research on practical guidance. Discusses limitations... THE SUNDAY TIMES NO. 1 HEST SELLER

## The Book You Wish arents Had Read

"This is a wonderful book - so wise and full of humanity" Kishard Oleman

Helpful for all relationships in life. Migrilla hawnen

'A fascinating read on the emotional buggage we all carry' dilinations than

## Philippa Perry With a new chapter about sibling relationships





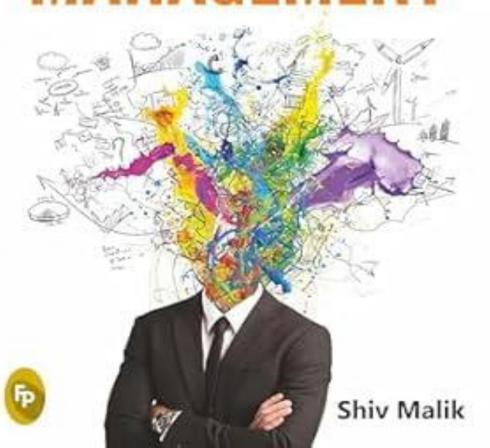
Acc. No : 49332

Call No : 649.1 PER-P

From the UK's favorite therapist, as seen on Channel 4's Grayson's Art Club. How can we have better relationships? In this Sunday Times bestseller, leading psychotherapist Philippa Perry reveals the vital do's and don'ts of relationships. This is a book for us all. Whether you are interested in understanding how your upbringing has shaped you, looking to handle your child's feelings or wishing to support your partner, you will find indispensable information and realistic tips in these pages. Philippa Perry's sane, sage and judgementfree advice is an essential resource on how to have the best possible relationships with the people who matter to you most. This book is about how we have relationships with our children, what gets in the way of a good connection and what can enhance it. It's about...



# OUTSIDE-IN MANAGEMENT



Acc. No : 48758

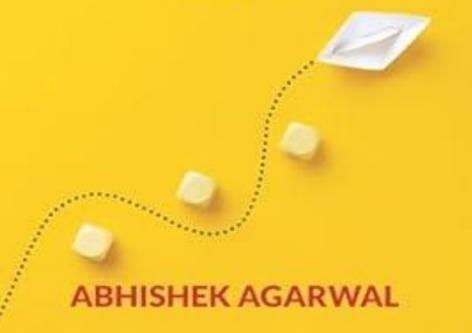
**Call No** : 650 MAL-S

Should we spend scarce time, knowledge and other resources inside an organization or outside? The answer to this question determines whether an organization prospers or perishes. This is true for all organizations, be it business, NGOs, the government and even individuals. This book addresses this question in the ' outside-in management' approach recommended in it. When we look outside, change is the predominant phenomenon. Management of change determines to a large extent whether we succeed or falter. We cannot profit from change unless we know how to recognize it, analyze it, create it and proactively make changes and innovations and introduce them in the market. Such a business analysis coupled with appropriate strategies, resources and actions will open a mine of...



## A MASTERCLASS IN PRODUCT MANAGEMENT

Crafting Innovations, Navigating Challenges.
Driving Success



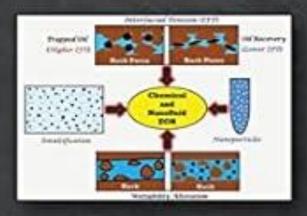


Acc. No : 49147

Call No : 658.5 AGA-A

In an age where innovation is driven by cutting-edge technology, mastering the art of product management is essential. Explore the dynamic world of product management, innovation, and leadership with Abhishek Agarwal, an award-winning expert at the forefront of Al/ML-powered strategies. Discover the keys to success in product management, unlock your potential, and embark on a journey that reshapes industries and inspires the next generation of innovators. A must-read for seasoned professionals, aspiring entrepreneurs, and curious students. Your roadmap to mastering the evolving landscape of innovation awaits within these pages. What is in common between all these software products, Amazon's recommendation engine, Spotify's music suggestions, Tesla's autopilot evolution, Netflix...

## CHEMICAL NANOFLUIDS IN ENHANCED OIL RECOVERY FUNDAMENTALS AND APPLICATIONS



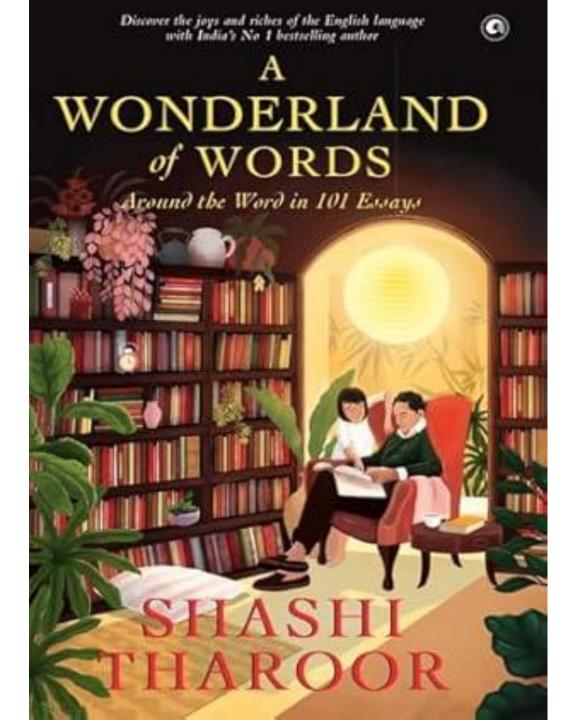
RAHUL SAHA PANKAJ TIWARI RAMGOPAL UPPALURI



Acc. No : 49622

Call No : 665.53 SAH-R

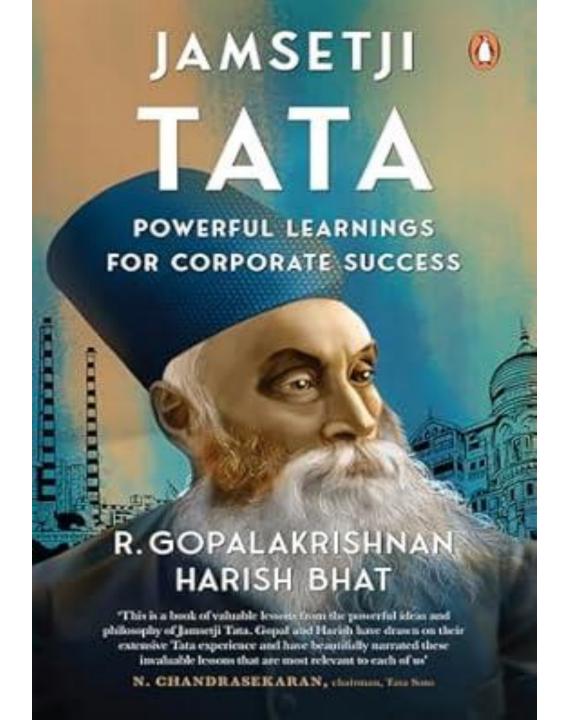
Sustainable world economy requires a steady supply of crude oil without any production constraints. Thus, the ever-increasing energy demand of the entire world can be mostly met through the enhanced production from crude oil from existing reservoirs. With the fact that newer reservoirs with large quantities of crude oil could not be explored at a faster pace, it will be inevitable to produce the crude oil from matured reservoirs at an affordable cost. Among alternate technologies, the chemical enhanced oil recovery technique has promising potential to recover residual oil from matured reservoirs being subjected to primary and secondary water flooding operations. Due to pertinent complex phenomena that often have a combinatorial role and influence, the implementation of chemical...





**Call No** : 824 THA-S

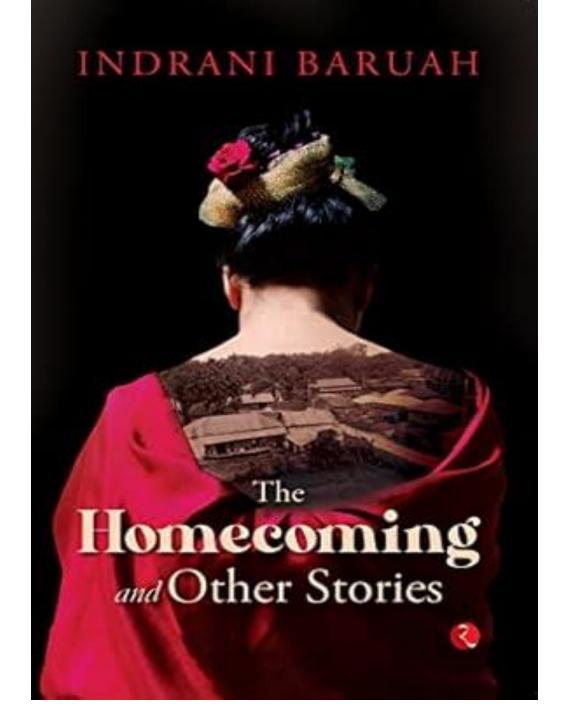
Words are power. Words are magic. Words are fun. Words are sexy. Words can move you to tears. Words can make you laugh. And words can show you the world and everything in it with clarity and depth as few other things can. In this gloriously entertaining book, one of our greatest wordsmiths and self-proclaimed bibliophile Shashi Tharoor takes us on a tour of the words, concepts, and particularities that constitute the sublime and sometimes mystifying wonderland of the English language. He demystifies punctuation, guides us through the arcane rules of spelling and grammar, and explains a wide array of essential components of the language including backronyms, acronyms, contranyms, oxymorons, kennings, metaphors, similes, idioms, euphemisms, palindromes, and much much more...





Call No : Biography GOP-R

Jamsetji Tata pioneered modern Indian industry. He has been a key catalyst in the economic growth and development of the country. From Empress Mills to the Iron and Steel Plant, from the establishment of IISc to the building of the Taj Mahal Hotel, Jamsetji's vision made India stand tall. In this carefully researched account, R. Gopalakrishnan and Harish Bhat provide insights into the entrepreneurial principles of Jamsetji that helped created such a successful and enduring enterprise. The even more important contribution by him and his successors has been the institutionalization of Tata values. Over the decades, through hard work, determination, and a consistent vision, he and his successors embedded these values in the organization, which has stood the test of time by consistently...

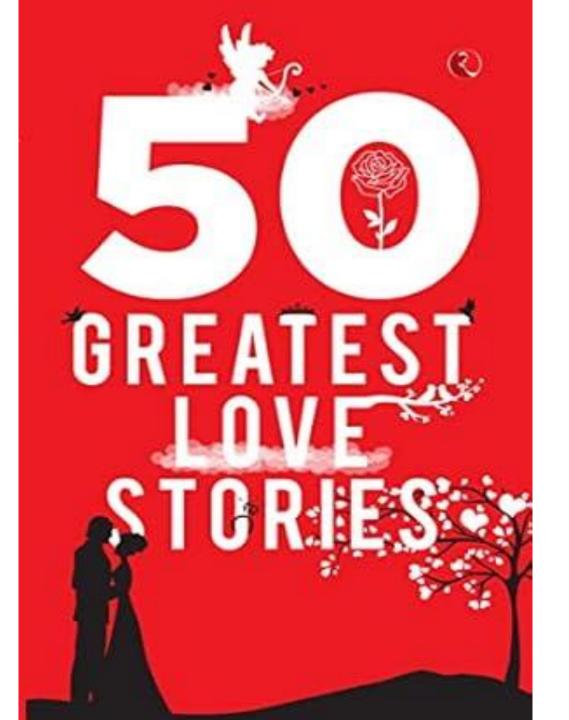




Call No: Fiction BAR-I

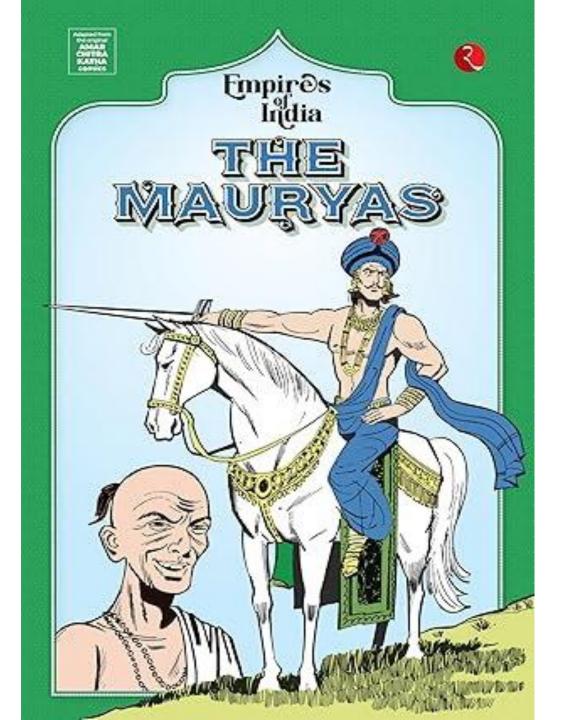
Inspired by everyday life, especially in the northeast of India, The Homecoming and Other Stories is a heartwarming collection of short stories exploring diverse themes. Separated from her loved ones at a tender age and forced into the world's oldest profession, all Meera wants is to get back to her village and reunite with her family. In the story titled The Homecoming, will Meera get a second chance at life? All the stories are based on situations and issues of contemporary life. In these ages, you will find jealousy, fear, greed and violence, as well as hope, dreams, passion and enthusiasm. A few stories are about insurgency and its effects while others depict the darker realities feticide, blackmail, superstition, social divide and human trafficking. Faced with a set of challenges, the...





**Call No**: Fiction OBR-T

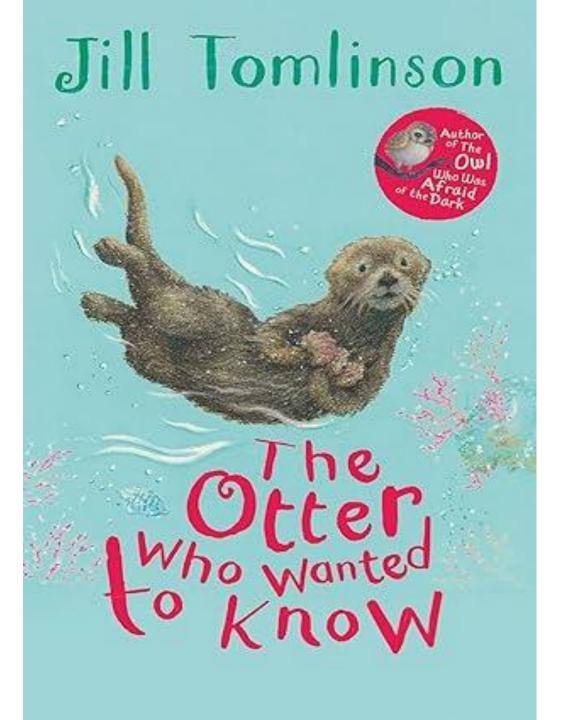
Their eyes met from across the room, A feeling of warmth took over, locked in an embrace, capturing a heart, 50 Greatest Love Stories brings to you the most charming and heart-warming tales that encapsulate the affection and fondness of the human heart. Witness the way two souls fall in love and the different forms in which love exists. Featuring the work of some of the greatest writers in the history of literature, from Maupassant to Mansfield to Maugham, this book will leave you feeling all warm and fuzzy inside. Some love stories are not epic novels, they are short stories but the doesn't make them less filled with love. Love stories always seem to have a spark. A love story has the nature of love and cares not for the age of lovers. Sometimes grief is the price one pays for love but this...





Call No : Fiction LAL-S (Young Learners)

For over two centuries, the Indian subcontinent attracted empires like the Persians and Greeks, drawn by its wealth. During these times, Chanakya, a brilliant scholar and strategist, alongside Chandragupta Maurya, dreamed of a kingdom that could protect itself from outsiders. This dream started the Mauryan Empire, a powerful kingdom that covered a large area. Chanakya helped Chandragupta become a great leader, starting a dynasty that changed Indian history. Ashoka, another significant ruler, began as a tough leader but embraced Buddhism, promoting peace and kindness, and impacting Indian history. This book talks about how Chanakya and Chandragupta worked hard and made big sacrifices to build the Mauryan Empire. It looks at how their leadership continues to influence how people lead today. The stories show how their determination and...





Call No : Fiction TOM-J (Young Learners)

A charming story about an adorable sea otter from the author of The Owl Who Was Afraid of the Dark. Pat is an adorable little sea otter. She likes turning up her toes and floating in the sea, chasing fish and asking a hundred and one questions. One day Pat's quiet life is turned upside down when she gets caught up in a pretty scary adventure. Suddenly she doesn't have time to ask any questions, and even if she did, no one would know the answers. This time Pat just has to find things out for herself! Filled with gentle humor and comfort, Jill Tomlinson's animal stories have been enjoyed by children who want to snuggle down with a good read for decades. Perfect for kids aged 5+ who love Julia Donaldson, and Dick King Smith's The Sheep Pig. This edition is beautifully illustrated by Paul Howard...

## Links to Access Library Resources / Services

OPAC Link: https://bitspilani-hyd-opac.kohacloud.in/

E-Resources Link: <a href="https://www.bits-pilani.ac.in/hyderabad/library/">https://www.bits-pilani.ac.in/hyderabad/library/</a>

Digital Library: <a href="http://125.22.54.221:8080/jspui/">http://125.22.54.221:8080/jspui/</a> (within the Campus)

Old Question Papers: <a href="http://125.22.54.221:8080/jspui/handle/123456789/1">http://125.22.54.221:8080/jspui/handle/123456789/1</a> (within the Campus Only)

Online News Papers: <a href="https://onlinenewspapers.com/india.shtml">https://onlinenewspapers.com/india.shtml</a>

