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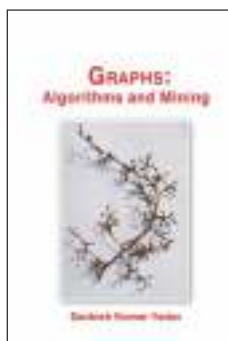
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A Comprehensive Guide

Deepti Chopra, Roopal Khurana

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Santosh Kumar Yadav

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Sandhya Vinayakam

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Partha Pratim Ray

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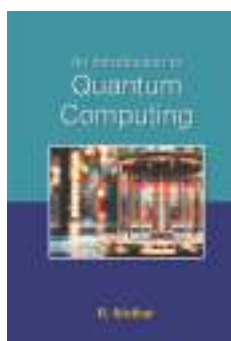


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C. Jackulin
R. Salini
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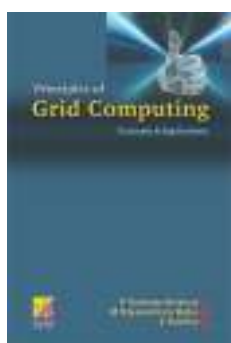


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R. Sridhar

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P. Venkata Krishna
M. Rajasekhara Babu
V. Saritha

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S. Suma Christal Mary
R. Josphine Leela
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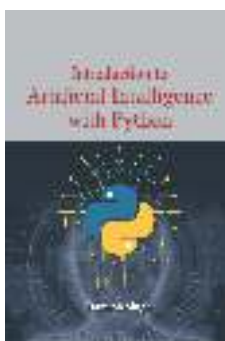


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R. Josphineleela
S. Suma Christal Mary
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Ramesh Singh

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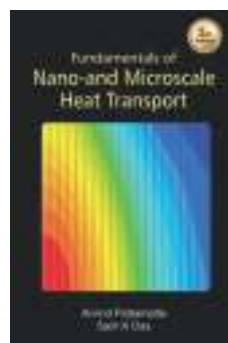


Fundamentals of Turbulence and its modeling

Sawan S. Sinha

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Arvind Pattamatta
Sarit K Das

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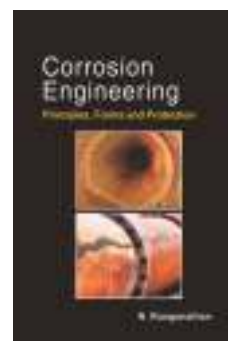


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N.D. Mittal

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Corrosion Engineering

Principles, Forms and Protection

N. Ranganathan

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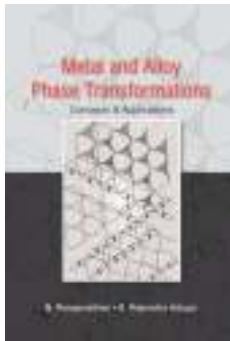


Green Building Technologies

Shailendra K Shukla

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Concepts & Applications

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K Rajendra Udupa

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Computational Methods in Engineering

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S.P. Venkateshan
Prasanna Swaminathan

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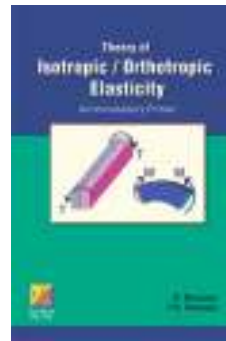
Fluid Mechanics & Fluid Machines

Basic Concepts &
Principles (SI Units)

Shiv Kumar

Contents: 1. Properties of Fluids, 2. Pressure and its Measurement, 3. Hydrostatic Forces on Surface, 4. Flow of Fluids, 5. Notches and Weirs, 6. Flow through Orifices and Mouthpieces, 7. Flow Through Pipes, 8. Flow Through Open Channels, 9. Hydraulic Turbines, 10. Pumps, 11. Hydraulic Devices, Objective Questions, References, Appendices, Index

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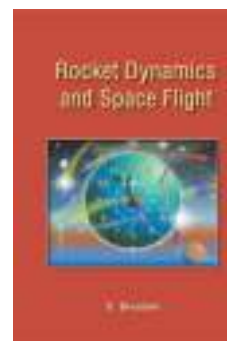
Theory of Isotropic/Orthotropic Elasticity

An Introductory Primer

K. Bhaskar
T.K. Varadan

Contents: Preface 1. Introduction and Mathematical Framework 2. Plane Problems in Cartesian Coordinates 3. Plane Problems in Polar Coordinates 4. Torsion of Non-circular Sections 5. Some Other Problems of Interest, Appendix, Index

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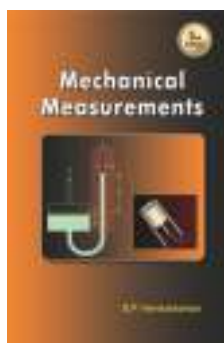


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C. Sivaram

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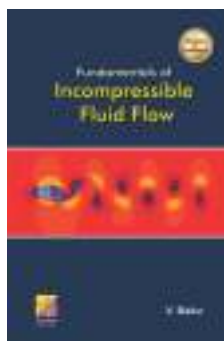
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S.P. Venkateshan

Contents: Preface, Acknowledge, Nomenclature, 1. Measurements, Error 2. Measurements of Temperature, Heat Flux and Heat Transfer Coefficient 3. Measurement of Pressure, Fluid velocity, Volume flow rate, stagnation and Bulk mean temperature 4. Thermo-physical properties, Radiation properties of surface, Gas Concentration, force/Acceleration, torque and power 5. Data Manipulation and Examples from laboratory practice

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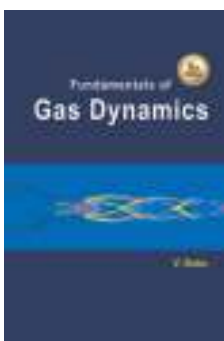
Fundamentals of Incompressible Fluid Flow

Revised & Updated

V. Babu

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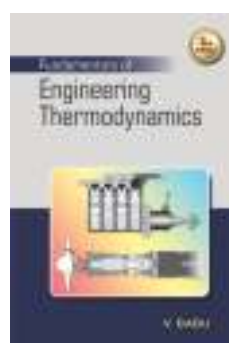
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V. Babu

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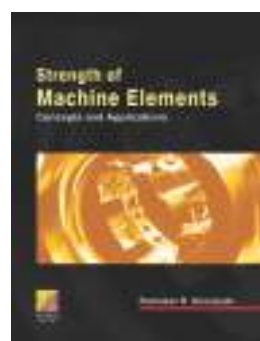
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K. Venkataraman

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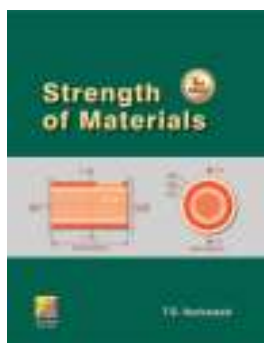
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Concepts and Applications

Ratnakar R. Ghorpade

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T.S. Venkatesh
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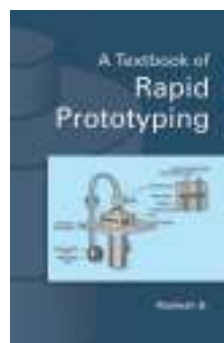
Combustion Technology

Essentials of Flames and Burners

V. Raghavan

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Ramesh S.

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Sarit K Das
Dhiman Chatterjee

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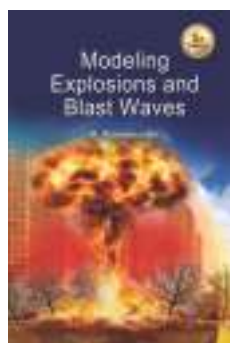
Mechanism of Fires

Chemistry and Physical Aspects

Ali. S. Rangwala
V. Raghavan

Contents: 1. Basic Considerations 2. Review of Thermodynamics and Transport Processes for Fires 3. Diffusion and Premixed Flames Related to Fires 4. Burning of Liquids 5. Burning of Solids 6. Properties of Fire Plumes 7. Compartment Fires 8. Dust Flames

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K. Ramamurthi

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Radiative Heat Transfer in Participating Media

(with MATLAB codes)

Rahul Yadav
C Balaji
S.P. Venkateshan

Contents: 1 Introduction 2 State of the art on Radiative transfer in participating media 3 Mathematical Formulations and Solution Methodology 4 Radiative Transfer in Cylindrical Geometries with a Participating Medium 5 Radiative Transfer in Conical Geometries with a Participating Medium 6 Radiative Heat Transfer in Three Dimensional Rectangular Geometries with a Participating Medium 7 Inverse Problem of Discrete Heaters in Radiant Furnaces 8 Closure, Appendix, Formulation of Mie Scattering Theory, Radiative Properties of Soot based on Temperature and Type of Fuel, MATLAB Codes for the important problems, References.

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Ignition Sources

Fire, Explosion and Detonation

K. Ramamurthi

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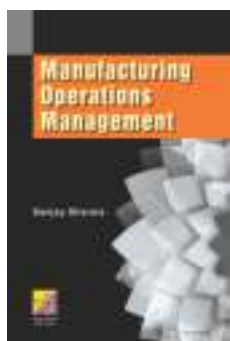


Modern Machining Processes

Anand Pandey

Contents: 1. Variants Of Electrical Discharge Machining 2. Wire Electrical Discharge Machining 3. Laser Beam Machining 4. Electro Chemical Machining 5. Electro Chemical Discharge Machining 6. Micro Ultrasonic Machining 7. Abrasive Flow Machining 8. Abrasive Water Jet Machining 9. Hybrid Micro-Machining Processes 10. Other Modern Machining Processes 11. Fabrication And Machining Of Modern Materials.

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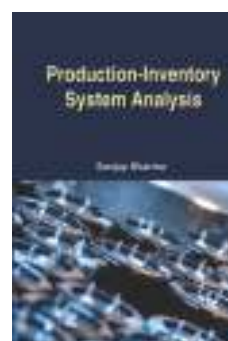


Manufacturing Operations Management

Sanjay Sharma

Contents: 1. Introduction 2. Facilities Planning 3. Demand Forecasting 4. Production Planning and Control 5. Work Study 6. Inventory Management 7. Inspection and Quality Control 8. Project Management 9. Financial Management, Exercises, Bibliography

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Production-Inventory System Analysis

Sanjay Sharma

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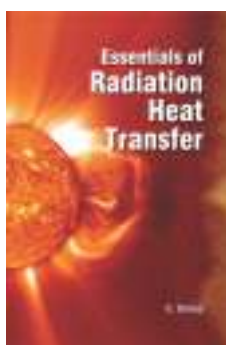
Thermal System Design and Optimization

2/Ed

C. Balaji

Contents: 1 Introduction to design and system design 2 System Simulation 3 Curve fitting 4 Optimization-Basic ideas and formulation 5 Lagrange multipliers 6 Search methods 7 Linear Programming and Dynamic Programming 8 Non-traditional optimization techniques 9 Inverse problems, Summary, Appendix, Bibliography, Random number table, Index

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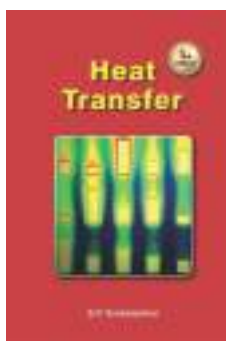


Essentials of Radiation Heat Transfer

C. Balaji

Contents: 1. Introduction 2. Black body radiation 3. Radiative properties of non-black surfaces 4. View factors 5. Enclosure analysis 6. Gas radiation 7. Atmospheric radiation 8. Inverse problems in radiation

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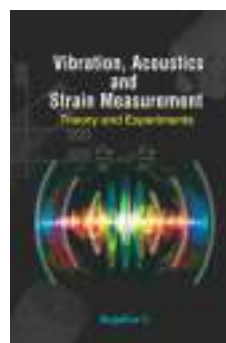
Heat Transfer

3/Ed

S.P. Venkateshan

Contents: 1. Introduction to the study of heat transfer; 2. Steady conduction in one dimension; 3. Unsteady heat transfer in lumped systems; 4. Heat transfer from extended surfaces; 5. Multidimensional conduction, Part 1; 6. Multidimensional conduction, Part 2 7. Numerical solutions of conduction problems; 8. Basics of thermal radiation; 9. Surface radiation; 10. Radiation in enclosures; 11. Radiation in participating media; 12. Laminar convection in internal flow; 13. Laminar convection in external flow; 14. Convection in turbulent flow; 15. Heat exchangers; 16. Natural convection; 17. Special topics in heat transfer; Appendixes; Bibliography

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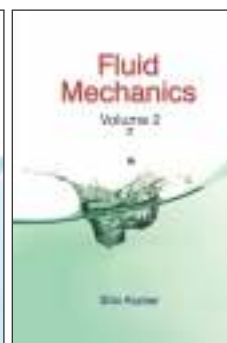
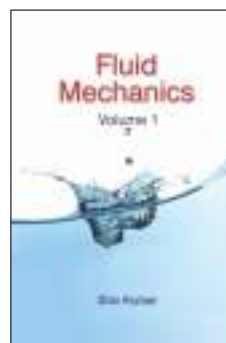
Vibration, Acoustics and Strain Measurement

Theory and Experiments

Sujatha C.

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Volume 1 & 2

Shiv Kumar

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Vol. 1 & 2

Shiv Kumar

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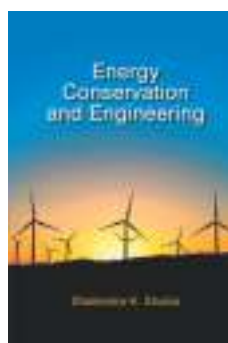


Measurement and Instrumentation Trends and Applications

Edited by
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S. Sen
S. Mukhopadhyay

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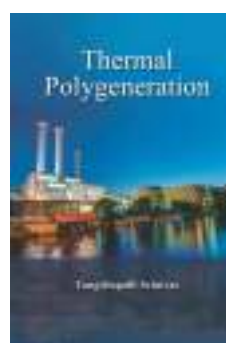


Prime Movers and Fluid Machines

Manoj Kumar Soni

Contents: 1. Dimensional Analysis & Model Testing, 2. Hydraulic Turbines, 3. Reciprocating Pumps, 4. Centrifugal Pumps, 5. Reciprocating Compressors, 6. Centrifugal Compressors, 7. Axial Flow Compressors, 8. Steam Nozzles, 9. Steam Turbines, 10. Gas Turbines

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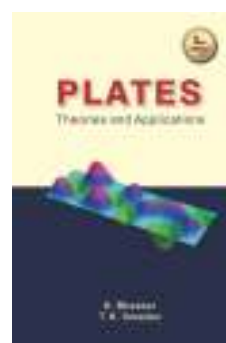


Thermal Polygeneration

Tangellapalli Srinivas

Contents: Foreword, Preface, Acknowledgements, Nomenclature 1. Introduction 2. Power Generation 3. Binary Fluid Properties and Processes 4. Binary Fluid Power 5. Binary Fluid Cooling 6. Vapour Compression Refrigeration 7. Humidification-Dehumidification Desalination 8. Binary Fluid Polygeneration 9. Heat Pump Polygeneration 10. Polygeneration – A Comparative Study Appendix - A - Binary Fluid Properties – Ammonia-Water Mixture Appendix - B - Refrigerants and Psychrometric Properties References

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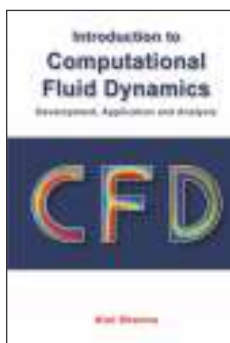


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K. Bhaskar
T.K. Varadan

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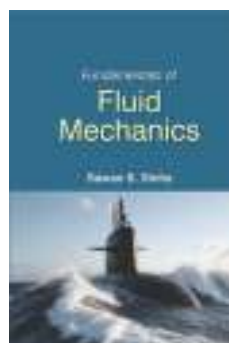
Introduction to Computational Fluid Dynamics

Development, Application and Analysis

Atul Sharma

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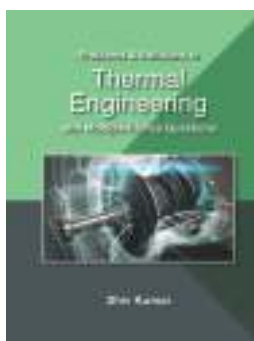


Fundamentals of Fluid Mechanics

Sawan S. Sinha

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with Multiple-Choice Questions

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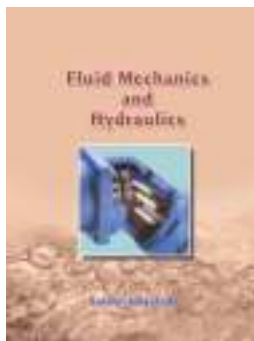
Fluid Mechanics & Fluid Machines

Basic Concepts & Principles (SI Units)

Shiv Kumar

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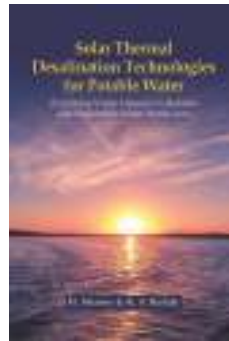


Fluid Mechanics and Hydraulics

Suresh Ukarande

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Solar Thermal Desalination Technologies for Potable Water

(Exploring Viable Options for Reliable and Sustainable Water Production)

H. Sharon
K.S. Reddy

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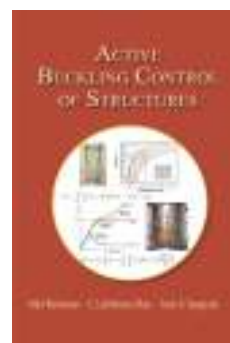


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Tanmoy Deb

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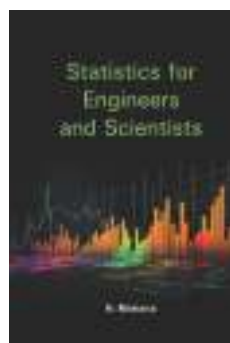


Active Buckling Control of Structures

Mini Ramanan
C. Lakshmana Rao
Arun K. Tangirala

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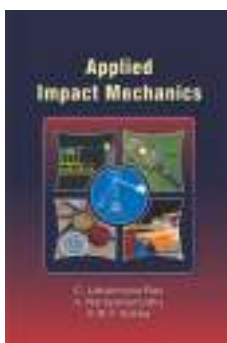


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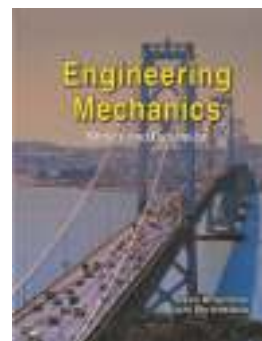
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16 Color Plates

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V. Narayanamurthy
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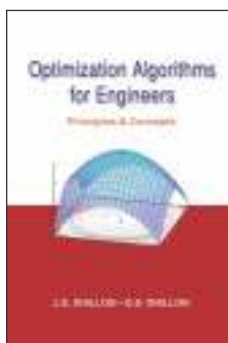


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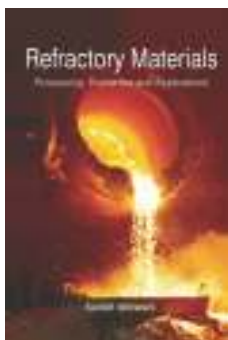
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Principles and Concepts

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G.S. Dhillon

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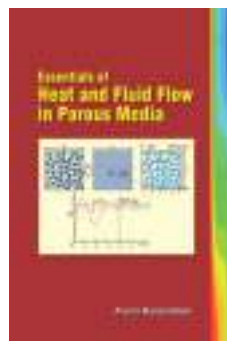
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Processing, Properties and Applications

Subir Biswas

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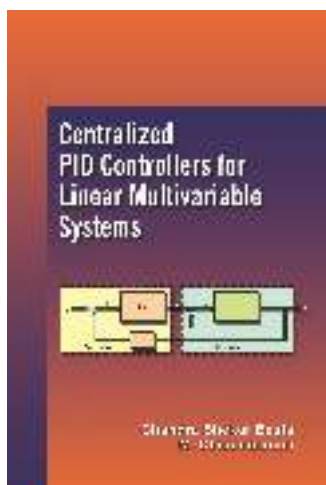
Salient features:

- includes exposition of fluid flow, conduction, convection, radiation in porous media
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Centralized PID Controllers for Linear Multivariable Systems

Chandra Shekar Besta
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Contents

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2. Centralized Multivariable Controllers
3. BLT Method for Stable Systems
4. BLT Method for Unstable Systems
5. Control System Design by Synthesis Method
6. Improved IMC Method
7. Centralized PI controllers by synthesis method based on RGA / RNGA
8. ERGA – ETF Based Controllers for unstable system
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10. Controllers based on Method of Inequalities
11. Controllers based on Goal Attainment Method, *Appendices, References, Index*

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Surinder Kumar

Contents

1. Introduction to Machine Tool,
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3. Properties of Steam and Steam Generator,
4. Refrigeration and Air Conditioning,
5. Hydraulic Turbines and Pumps,
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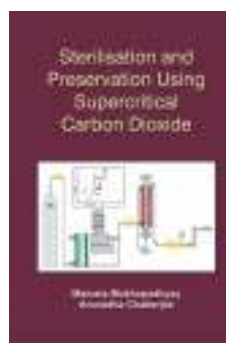


Process Design For Chemical and Environmental Engineering

Ashok Kumar Verma

Contents: 1. Introduction to Process Design 2. Process Design Fundamentals 3. Design of Heat Exchangers 4. Mass Transfer Equipment 5. Solid-Liquid and Liquid-Liquid Extraction 6. Humidification, Dehumidification and Drying 7. Reactor Design

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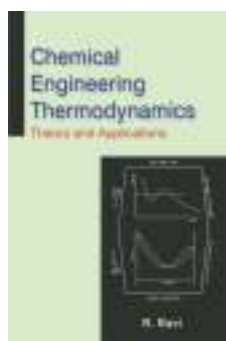


Sterilisation and Preservation Using Supercritical Carbon Dioxide

Mamta Mukhopadhyay
Anuradha Chatterjee

Contents: 1. Introduction 2. Different Types of Reducing Agents 3. Reduction of Specific Types of Organic Compounds 4. Hydrogenolysis 5. Enzymatic or Microbial Reduction 6. Some Reductions under Benign Conditions

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Chemical Engineering Thermodynamics Theory & Applications

R. Ravi

Contents: Mathematical Preliminaries 1. A Synopsis of Classical Thermodynamics 2. Single component Fluid – Fundamentals 3. Single Component Fluid – Applications 4. Homogeneous (Single Phase) Mixtures 5. Heterogeneous (Multiphase) Mixtures 6. Reaction Equilibrium

9789389212310 • 388 (Hb) • 2023 • ₹ 1495.00

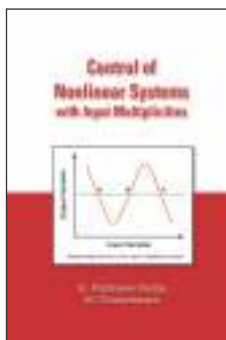


Lecture Notes Series Chemical Engineering ChE Triad

Nishith Verma

Contents: Transport Phenomena 1 Introduction (Review of Basic Mathematical Tools) 2 General Property Balance (Continuum) 3 Linear Momentum Balance 4 Dimensional Analysis 5 Mechanical/Kinetic Energy Balance 6 Coupling Between Energy & Momentum Equations: Free Convection or Buoyance - Driven Flow 7 Equation of Change for Species 8 Prototype Example 1: Rayleigh Problem or Stoke's First Problem 9 Prototype Example 2: Unsteady-State Laminar Flow or Start-up Flow in a Tube 10 Prototype Example 3: Flow in a Permeable Tube or Bundles of Hollow Fibers (Lubrication Approximation) 11 Prototype Example 4: Heat (Mass) Transfer in Laminar Flow in a Circular Tube 12 Prototype Example 5: Graetz Problem 13 Prototype Example 6: Brinkman Problem (Viscous Heating) 14 Prototype Example 7: (Natural Convection: Coupling Between Hydrodynamics and Energy) 14 Prototype Example 8: Steady-State Diffusion through a Stagnant Gas Film (Film Theory) 14 Prototype Example 9: Diffusion into a Falling Film (Surface Renewal Theory) 15 Prototype Example 10: Taylor Dispersion or Taylor-Aris Diffusion/Dispersion 16 Prototype Example 11: Strained Diffusion Controlled Reaction 17 Prototype Example 12: Simultaneous Momentum, Heat, and Mass Transport 18 Introduction to the Second Part of the Course 19 Boundary Layer Theory 20 Blasius Solution to BL Equations 21 Thermal and Mass Boundary Layer Theory 22 Turbulent Flow: Some Mathematical Analysis 23 Prototype Example 13: Reduction of BL Convection– Diffusion Equation 23 Prototype Example 14: Flow Over a Plate with Uniform Suction 24 Prototype Example 15: Diffusion to Free Falling Solid Particles (Levich) 25 Prototype Example 16: Mass Transfer to a Slowly Falling (Liquid) Drop in a Vapor or Gas 26 Prototype Example 17: Convection/diffusion to the Surface of a Circular Rotating Disk (Levich) 27 Prototype Example

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Control of Nonlinear Systems with Input Multiplicities

G. Prabhaker Reddy
M. Chidambaram

Contents: 1. Occurrence of Input Multiplicity and its Control Problems 2. Basic Review of Systems and Control 3. Hammerstein Model Based Control of Reactors 4. Hammerstein Model Based Control of Bioreactors 5. Near-Optimal Productivity Control of a Bioreactor 6. Nonlinear Control of Bioreactor with Input Multiplicities – Experimental Work 7. Nonlinear Control of Nonlinear Non-Minimum Phase Systems with Input Multiplicities 8. Model Reference Control of a CSTR 9. Model Reference Nonlinear Control of a Bioreactor 10. Fuzzy Logic Control of Systems with Input Multiplicities 11. Artificial Neural Networks Based Control of Systems with Input Multiplicities 12. Nonlinear Control of Systems with Input and Output Multiplicities 13. Control of Wiener type Nonlinear Systems with Input Multiplicities 14. Feed Forward Control of Nonlinear Systems with Input Multiplicities Appendices, References, Notations, Index

9788119160693 • 256 (Hb) • 2023 • ₹ 1495.00



Fundamentals of Turbulence and its Modeling

Sawan S. Sinha

Contents

1 Tensors 2 Description of fluid kinematics 3 Nature of turbulent flows 4 Random variables and their characterization 5 Governing equations of the mean flow field 6 Turbulence near a solid wall 7 Understanding multiplicity of length-scales in turbulent flows 8 Turbulence modeling 9 Scale-resolving simulations of turbulent flows

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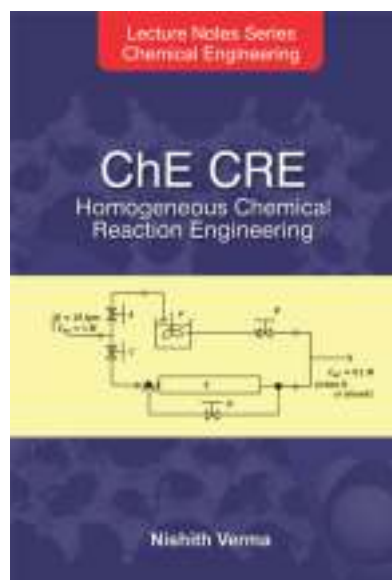
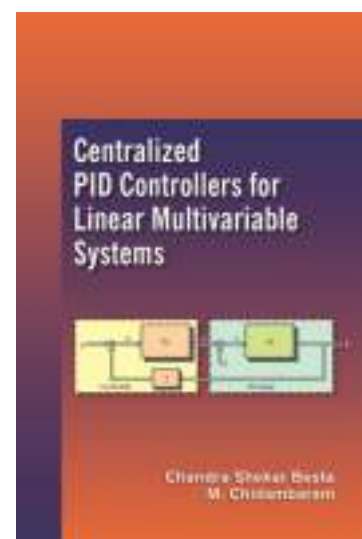
Centralized PID Controllers for Linear Multivariable Systems

Chandra Shekar Besta
M. Chidambaram

Contents

1. Introduction to Control of Multivariable Systems 2. Centralized Multivariable Controllers 3. BLT Method for Stable Systems 4. BLT Method for Unstable Systems 5. Control System Design by Synthesis Method 6. Improved IMC Method 7. Centralized PI controllers by synthesis method based on RGA / RNGA 8. ERGA – ETF Based Controllers for unstable system 9. Controllers Based on CSOPTD Models 10. Controllers based on Method of Inequalities 11. Controllers based on Goal Attainment Method, *Appendices, References, Index*

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ChE CRE Homogeneous Chemical Reaction Engineering

Nishith Verma

Contents

1 Chemical Processes 2 Chemical Reactions 3 Mechanism (Reaction Kinetics) 4 Constant-Volume Batch Reactor (Isothermal) 5 Batch Kinetics (Cont.) 6 Reactor Design — Introduction (Mixed Flow Reactor) 7 Plug Flow Reactor 8 Plug Flow Reactor (Cont.) 9 Equal Size MFR in Series 10 Recycle-Tubular Reactors 12 Multiple Reactions(Parallel) 13 Reactions in Series 14 Non-isothermal Operation 15 Adiabatic Operation 16 Non-ideal Reactors (RTD Study) 17 Fluid-Particles Reactions (Non-Catalytic) 18 Catalysts and Catalytic Reactions 19 Adsorption/Desorption 20 Porous Catalyst (Intraphase Transport + Kinetics)

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Strength of Materials

A Concise Textbook

2/Ed

K. Bhaskar

T.K. Varadan

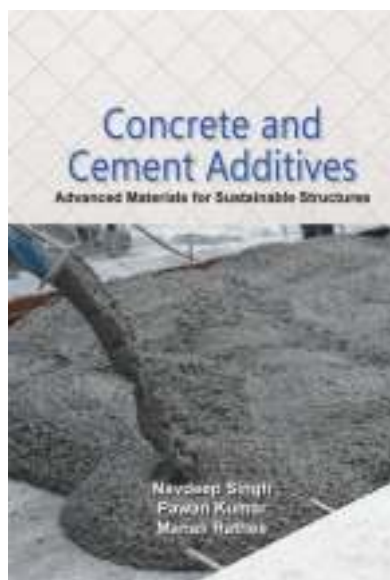
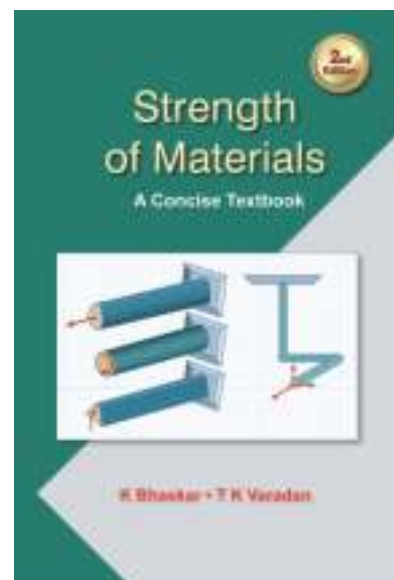
About the Book

The aim of this book is to present the essentials of solid mechanics with reference to basic load-bearing members — straight bars, thin-walled cylindrical and spherical pressure vessels, circular shafts, beams undergoing simple bending, and columns. The corresponding fundamental assumptions, important equations, and their range of validity, are concisely elucidated without formal derivations; subsequently, the sequence of steps in the analysis of forces, stresses and displacements, or stability, is amply illustrated by way of several carefully selected examples. Further, combined loading, stress and strain transformations, energy methods, and failure analysis using commonly employed criteria, are also dealt with. Thus, this book is expected to serve as a handy, yet complete, resource for students of this subject, as well as a ready reference for a practicing engineer or a graduate preparing for an interview or a competitive examination.

Unique features of the book:

- Coverage of the usual Strength of Materials syllabus taught in engineering colleges/polytechnics
- Very concise, student-friendly presentation
- A problem-solving approach with carefully chosen illustrative problems of wide variety

9788197654688 • 180 (Hb) • 2024 • ₹ 995.00



Concrete and Cement Additives

Advanced Materials for Sustainable Structures

Navdeep Singh
Pawan Kumar
Manali Rathee

Contents

1. Concrete and its Properties 2. Self-Compacting Concrete 3. Geopolymer Concrete and its Properties Preview 4. Recycled Concrete Aggregates 5. Silica Fume as Cement Addition 6. Metakaolin as Cement Addition Preview 7. Ground Granulated Blast-Furnace Slag as Cement Addition 8. Combustion Products as Cement Addition

9788197531224 • 244 (Hb) • 2025 • ₹ 1695.00



Piezoelectric Materials

Applications in SHM, Energy Harvesting and Biomechanics

Suresh Bhalla
Sumedha Moharana
Visalakshi Talakokula
Naveet Kaur

Contents: 1. Introduction 2. Piezo-Transducers for Structural Health Monitoring and Non-Destructive Evaluation 3. Piezo Bond-Structure Elasto-Dynamic Interaction: Refined Model 4. Piezo-Structure Elasto-dynamic Interaction: Continuum Model 5. Fatigue Damage Monitoring in Steel Joints Using Piezo-Transducers 6. Chloride Induced Rebar Corrosion Monitoring Using Piezo-Transducers 7. Carbonation Induced Corrosion Monitoring Using Piezo-Transducers 8. Piezoelectric Energy Harvesting: Analytical Models 9. Energy Harvesting Using Thin PZT Patches on Real-Life Structures 10. Extension of Structural Health Monitoring Technologies to Bio-mechanics and Bio-medical Engineering 11. Piezoelectric Materials: What Lies in Future? Appendix-A, Appendix-B, Appendix-C, References, Index.

9789385462467 • 288 (Hb) • 2023 (R) • ₹ 1995.00

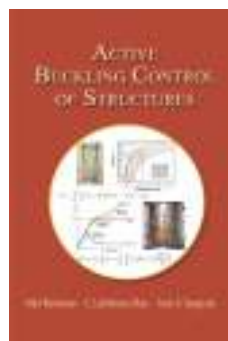


Estimating and Costing in Civil Construction

R. Ambalavanan

Contents: Preparation and Presentation of Estimates, Principles and Practice of Quantity Estimating, Rate Analysis and Costing, Illustrative worked out examples, Contracts and Specifications, Approximate Estimates, Principles and Practice of Valuation, Standard Data, Tutorial problems

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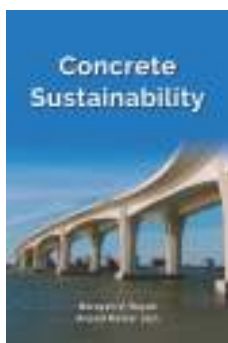


Active Buckling Control of Structures

Mini Ramanan
C. Lakshmana Rao
Arun K. Tangirala

Contents: 1 Perspective and History 2 Fundamentals 3 Fundamentals of control systems 4 Numerical methods 5 Instrumentation and Experimental Design 6 Buckling control of columns 7. Buckling control of plates 8. Control of shells exhibiting axisymmetric buckling 9. Control of shells exhibiting asymmetric buckling 10. Concluding remarks and scope for future work

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Concrete Sustainability

Narayan V. Nayak
Anand Kumar Jain

Contents: 1. Climate Change – A Global Challenge Before Mankind 2. Use of Supplementary Cementing Materials for Concrete Sustainability 3. Effect of Water and Water Binder Ratio on Concrete Sustainability 4. Relationship between Concrete Sustainability and Curing 5. Chemical Admixtures and Sustainability of Concrete 6. Sustainability and Aggregates Derived from the Industrial and Construction Demolition Waste 7. Sustainability and Concrete Cover to Reinforcement 8. High Strength, High Performance Concrete and Sustainability 9. Temperature Control of Concrete at Early Ages for Sustainability 10. Repair and Maintenance of Concrete Structures and Sustainability 11. Performance Based Specification for Sustainable Concrete 12. Use of Life Cycle Cost Analysis for Enhancing Sustainability of Concrete Structures 13. Modern Trends in Achieving Sustainability in Cementitious Materials and Concrete 14. Miscellaneous Issues Relating to Sustainability of Concrete.

9789385462863 • 238 (Hb) • 2023 • ₹ 1195.00



Fundamentals of Turbulence and its Modeling

Sawan S. Sinha



Contents

1 Tensors 2 Description of fluid kinematics 3 Nature of turbulent flows 4 Random variables and their characterization 5 Governing equations of the mean flow field
6 Turbulence near a solid wall 7 Understanding multiplicity of length-scales in turbulent flows 8 Turbulence modeling
9 Scale-resolving simulations of turbulent flows

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Structural Dynamics

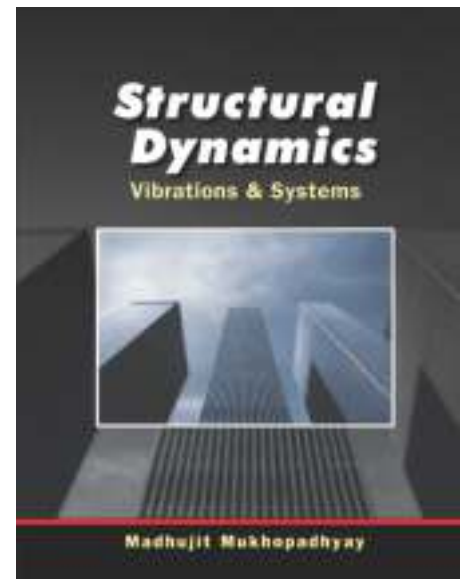
Vibrations & Systems

Madhujit Mukhopadhyay

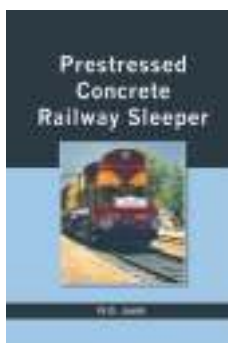
Contents

Preface • Introduction • Free Vibration of Single Degree of Freedom System
• Forced Vibration of Single Degree of Freedom System • Numerical Methods In
Structural Analysis : Applied to SDF Systems • Vibration of Two Degrees of
Freedom System • Free Vibration of Multiple Degrees of Freedom System
• Forced Vibration Analysis of Multiple Degrees of Freedom System • Free
Vibration Analysis of Continuous Systems • Forced Vibration of Continuous
Systems • Dynamic Direct Stiffness Method • Vibration of Ship and Aircraft as A
Beam • Finite Element Method in Vibration Analysis • Finite Difference Method for
The Vibration Analysis of Beams and Plates • Nonlinear Vibration • Random
Vibrations • Computer Program in Vibration Analysis • The Stiffness Matrix

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ISBN	Title	Author	₹ Price	Year	Binding	Publisher
9789390658503	Active Buckling Control of Structures	Ramanan	1995	2022	HB	ANE
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9789385462665	Architecture of Ancient Tamil Nadu : The Kallanai Dam Story	Ghosh	2995	2019	HB	ANE
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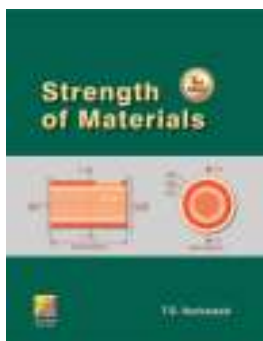


Prestressed Concrete Railway Sleeper

N.G. Joshi

Contents: 1. Introduction 2. Sleeper Production Systems 3. Requirements of Raw-Materials and Mix Design 4. Rail Fastening Systems 5. Normal Problems Faced in Production of PSC Sleeper & Their Probable Solutions 6. Quality Assurance and Testing 7. Installation and Maintenance of Precast Concrete Sleeper Track System 8. Design of PSC Sleepers 9. Indian Scenario 10. Performance of PSC Sleepers in Track 11. Future Sleeper Tracks 12. Non-Conventional Sleepers 13. Typical Standard Specifications for Pre-Tensioned Prestressed Concrete Sleepers for Broad Gauge and Meter Gauge 14. Appurtenances and other Important Information about Rails and Sleepers 15. Two Block Reinforced Concrete Sleeper.

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Strength of Materials

2/Ed

T.S. Venkatesh

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Green Structures

Energy Efficiency in Buildings

Satyajit Ghosh
Abhinav Dhaka

Contents: Foreword, Preface, 1. Energy Efficiency in Buildings, 2. Siting and Microclimate, 3. Building Forms, 4. Building Fabric, 5. Renewable Energy, References

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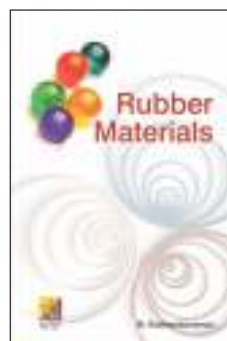
Matrix and Finite Element Analyses of Structures

(With Computer Programs in both FORTRAN and C)

Madhujit Mukhopadhyay
Abdul Hamid Sheikh

Contents: Preface 1 Basic Concepts of Structural Analysis 2 Energy Principles 3 Introduction to the Flexibility and Stiffness Matrix Methods 4 Direct Stiffness Method 5 Substructure Technique for the Analysis of Structural Systems 6 The Flexibility Matrix Method 7 Elements of Elasticity 8 Introduction to the Finite Element Method 9 Finite Element Analysis of the Plane Elasticity Problems 10 Isoparametric and Other Element Representations and Numerical Integration 11 Finite Element Analysis of Plate Bending Problems Chapter 12 Finite Element Analysis of Shells Chapter 13 Semianalytical and Spline Finite Strip Methods for the Analysis of Plate Bending Chapter 14 Dynamic and Instability Analyses by the Finite Element Method Chapter 15 The Finite Difference Method for the Analysis of Beams and Plates Chapter 16 Adaptive Finite Element Analysis Chapter 17 Geometrically Non-linear Finite Element Analysis Chapter 18 Finite Element Method Analysis of Stiffened Plates Chapter 19 Selected Topics References and Suggested Readings, Appendix, Subject Index.

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Rubber Materials

B. Kothandaraman

Contents: Preface, 1. Structure–Property Relationships in Rubbers 2. Natural Rubber 3. General Purpose Synthetic Rubbers 4. Special Purpose Synthetic Rubbers 5. High Performance Elastomers 6. Compounding Ingredients 7. Thermoplastic Elastomers 8. Blending and Compounding of Rubbers, Bibliography, Index.

9788180522246 • 168 (Hb) • 2023 • ₹ 595.00



Engineering Mechanics

Statics and Dynamics

Jivan Khachane
Ruchi Shrivastava

Contents: 1. Statics 2. Support Reactions 3. Analysis of Truss 4. Centre of Gravity and Moment of Inertia 5. Friction 6. Lifting Machines 7. Transmission of Power 8. Kinematics 9. Kinetics 10. Shear Force and Bending Moment

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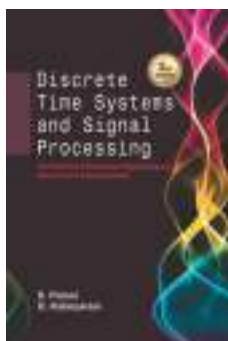


Green Building Technologies

Shailendra K Shukla

Contents: 1. Green Buildings 2. Smart Building Materials and Component 3. Building Integrated Energy Storage System 4. Building Integrated Greenery System 5. Active and Passive Exploitation of Renewable Energy in Buildings 6. Well-being, Thermal Comfort, and Environmental Livability 7. Sustainable Design and Operational Parameters

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Discrete Time Systems and Signal Processing

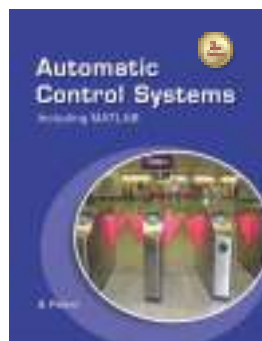
(for Electrical & Electronics Engineering and Electronics & Instrumentation)

2/Ed

S Palani
D Kalaiyarasi

Contents: 1. Representation of Discrete Signals and Systems 2. The z-Transform Analysis of Discrete Time Systems 3. Discrete Fourier Transform and Computation 4. Design of IIR Digital Filters 5. Design of FIR Digital Filters 6. Digital Signal Processor

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Automatic Control Systems

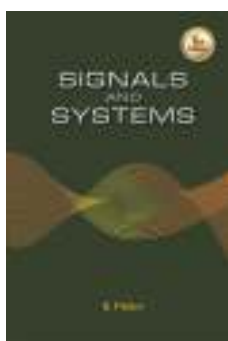
Including MATLAB

2/Ed

S. Palani

Contents: 1 Control Systems Modelling and their Representation, 2 Time Response Analysis, 3 Frequency Response Analysis, 4 Stability Analysis of Linear Control System, 5 Root Locus Method for Analysis, 6 Design of Compensators, 7 State Space Modelling and Analysis

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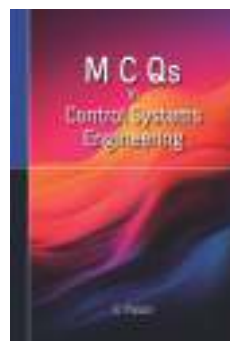
Signals and Systems

2/Ed

S Palani

Contents: 1. Representation of Signals 2. Continuous and Discrete Time Systems 3. Time Domain Analysis of Continuous and Discrete Time Systems 4. Fourier Series Analysis of Continuous Time Signals 5. Fourier Series Analysis of Discrete Time Signals 6. Fourier Transform Analysis of Continuous Time Signals 7. Fourier Transform Analysis of Discrete Time Signals and Systems – DTFT, DFT and FFT 8. The Laplace Transform Method for the Analysis of Continuous Time Signals and Systems 9. The z-transform Analysis of Discrete Time Signal and Systems 10. Sampling.

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MCQs in Control Systems Engineering

S. Palani

Contents: 1 System Transfer Function 2 Time Response Analysis 3 Frequency Response Analysis 4 Stability Analysis of Linear System 5 Root Locus Method of Analysis 6 Design of Compensators 7 State Space Analysis

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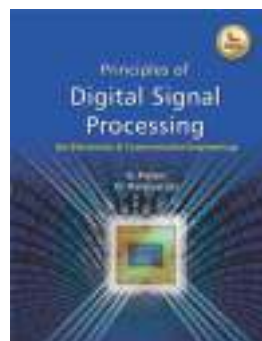


Basic System Analysis

S. Palani

Contents: 1. Representation of Signals and Systems 2. Fourier Series Analysis of Continuous Time Signals 3. Fourier Transform Analysis of Continuous Time Signals 4. The Laplace Transform Method for the Analysis of Continuous Time Signals and Systems 5. The z-transform Analysis of Discrete Time Signals and Systems 6. State Space Modelling and Analysis, Index

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Principles of Digital Signal Processing

(for Electronics & Communication Engineering)

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S Palani
D Kalaiyarasi

Contents: 1. Representation of Discrete Signals and Systems 2. Discrete and Fast Fourier Transforms (DFT and FFT) 3. Design of IIR Digital Filters 4. Finite Impulse Response (FIR) Filter Design 5. Finite Word Length Effects 6. Multi-rate Digital Signal Processing

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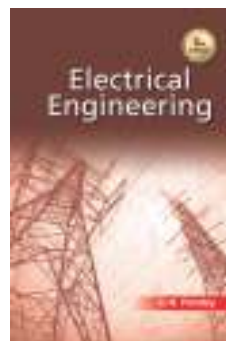
Digital Signal Processing

(for Computer Science & Information Technology)

S Palani
D Kalaiyarasi

Contents: 1. Representation of Discrete Signals and Systems 2. Discrete and Fast Fourier Transforms (DFT and FFT) 3. Design of IIR Digital Filters 4. Finite Impulse Response (FIR) Filter Design 5. Finite Word Length Effects 6. Multi-rate Digital Signal Processing, Index

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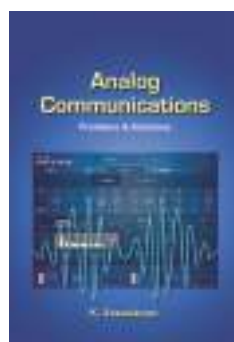
Electrical Engineering

2/Ed

O.N. Pandey

Contents: 1. Circuit Concepts and Analysis 2. Network Theorems 3. Steady-State Analysis of AC Circuits 4. Three Phase AC Circuits 5. Measuring Instruments 6. Earthing and Electrical Safety 7. Magnetic Circuits 8. Single Phase 9. DC Machines 10. Three Phase Induction Motor 11. Single Phase Induction Motor 12. Three Phase Synchronous Machines

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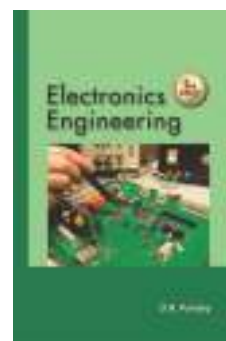
Analog Communications

Problems & Solutions

K. Vasudevan

Contents: Dedication, Preface, Notation, 1 Signals and Systems 2 Random Variables & Random Processes 3 Amplitude Modulation 4 Frequency Modulation 5 Noise in Analog Modulation 6 Pulse Code Modulation 7 Signaling Through AWGN Channel

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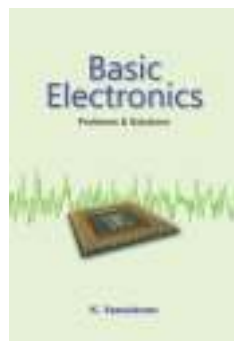
Electronics Engineering

2/Ed

O.N. Pandey

Contents: 1. Basics of Electronics, 2. Semiconductor Diodes, 3. Bipolar Junction Transistor (BJT), 4. Field Effect Transistor (FET), 5. Operational Amplifier (OP-AMP), 6. Switching Theory and Logic Design (STLD), 7. Electronics Instruments, 8. PSPICE

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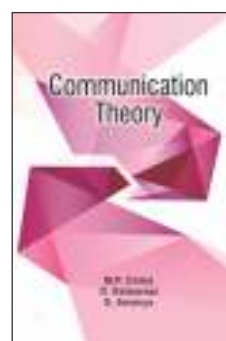
Basic Electronics

Problems & Solutions

K. Vasudevan

Contents: Notation, List of Symbols, 1 DC Circuit Analysis 2 RL and RC Transients 3 AC Circuits – Steady State Analysis 4 Resonance, Bode Plots and 2-port Networks 5 Diode Circuits 6 Bipolar Junction Transistors 7 Op Amp Circuits and Oscillators 8 Combinational Circuits 9 Sequential Circuits, Appendix: Two-Port Networks, Bibliography, Index

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Communication Theory

M.P. Chitra
D. Kalaiyarasi
S. Saranya

Contents: Preface, Acknowledgement, Introduction, Unit 1-Amplitude Modulation, Unit 2-Angle Modulation, Unit 3-Random Process, Unit 4- Noise Characterisation, Unit 5-Sampling and Quantization

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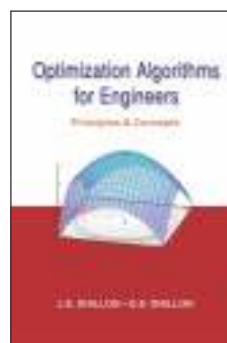


Plasma and Plasmonics

Kushal Shah

Contents: 1. Preface, 1. Maxwell's Equations 2. Electromagnetic Properties of Metals 3. Plasma Kinetic Theory 4 Plasma Fluid Theory 5. Surface Plasmon Polaritons (SPP) 6 Spoof Surface Plasmons (SSP) 7 Advanced Topics in Plasmonics 8. Mathematical Foundations 9. Numerical Methods for Electromagnetics, Appendix: Legendre Polynomials, Bibliography

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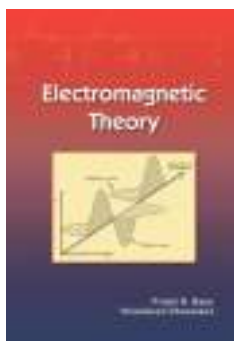
Optimization Algorithms for Engineers

Principles & Concepts

J.S. Dhillon
G.S. Dhillon

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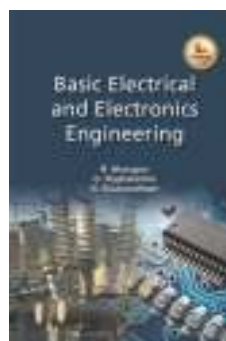


Electromagnetic Theory

Prabir K Basu
Hrishikesh Dhasmana

Contents: 1. Electromagnetic Theory Fundamentals 2. Static Electric Fields 3. Steady Magnetic Fields 4. Time Varying Fields and Maxwell's Equations 5. Reflection and Refraction of E.M.Waves 6. Transmission Line 7. Introduction to Smith Chart, Numerical Problems, Sample Questions, Index

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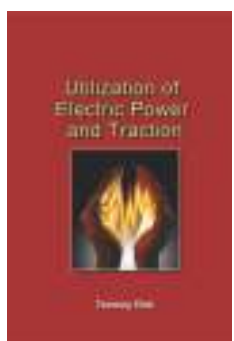
Basic Electrical and Electronics Engineering

2/Ed

R Murugan
G Rajalakshmi
N Sivanandham

Contents: 1. Electrical Circuits And Measurements 2. Electrical Mechanics 3. Semiconductor Devices And Applications 4. Digital Electronics 5. Fundamentals Of Communication Engineering.

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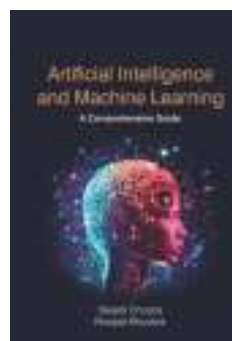


Utilization of Electric Power and Traction

Tanmoy Deb

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Artificial Intelligence and Machine Learning

A Comprehensive Guide

Deepti Chopra
Roopal Khurana

Contents: 1. Foundations of Artificial Intelligence and Machine Learning 2. Machine Learning Algorithms and Techniques 3. AI Applications in Real World Scenarios 4. Ethical Considerations and Challenges 5. The Future of AI and ML 6. Deep Learning and Neural Networks 7. Reinforcement Learning and Robotics 8. Time Series Analysis and Forecasting 9. Explainability and Interpretability in AI 10. AI and ML for Business and Decision Making 11. AI in Social Sciences and Humanities 12. Challenges and Limitations of AI and ML 13. The Road Ahead Advances and Future Directions

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Engineering Mathematics

A Project & Problem Based Approach

H. Parthasarathy

Contents: Acknowledgements, Preface, 1 The Derivative and the Integral, 2 Ordinary Differential equations, 3 Solved Examples, 4 Solved examples, 5 Linear algebra and matrix theory, 6 Fourier series and transforms, 7 Partial differential equations, 8 Functions of a complex variable, 9 Laplace transforms, 10 Vector algebra, 11 Vector calculus, 12 Probability theory and statistics, 13 Riemannian geometry and tensor calculus, 14 Selected topics in Group theory with applications, 15 Perturbation theory for differential equations, 16 Calculus of variations, 17 Stochastic filtering theory, 18 Generalized functions, 19 Simulation of analog systems on the digital computer, 20 Basic Circuit and System theory, 21 MATLAB Exercises, 22 Appendix: Reprints of some technical reports from DSP lab at NSIT, 23 Miscellaneous solved and unsolved problems in engineering mathematics, Bibliography, Index.

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Signal Processing

Selected Topics

H. Parthasarathy

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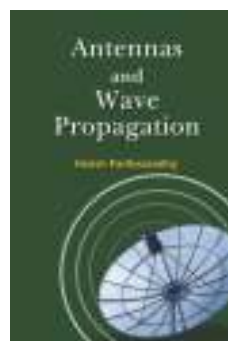


Advanced Engineering Physics

H. Parthasarathy

Contents: 1. Mechanics 2. Fluid Dynamics 3. ElectroMagnetics 4. Relativity 5. Quantum Mechanics 6. Circuit Theory 7. Optics 8. Solid State Physics 9. Digital Signal Processing 10. Probability 11. Statistical Physics

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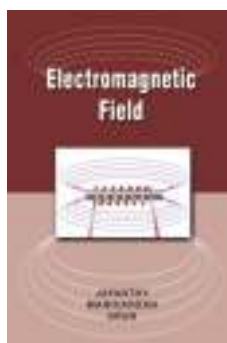


Antennas and Wave Propagation

Harish Parthasarathy

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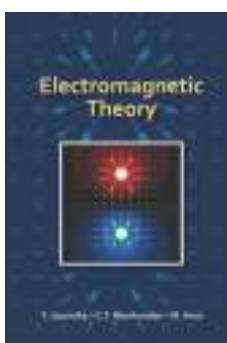


Electromagnetic Field

Jayanthi
Manikandan
Arun

Contents: UNIT 1 Static Electric Field. UNIT 2 Conductor and Dielectrics. UNIT 3 Static Magnetic Fields. UNIT 4 Magnetic Forces and Materials. UNIT 5 Time Varying Fields of Maxwells Equation.

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Electromagnetic Theory

T. Jayanthi
C.T. Manikandan
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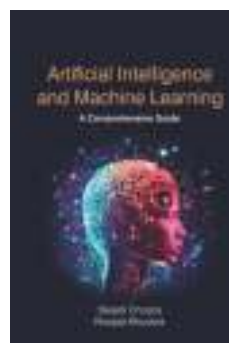


Modern Control Theory

Anoop K. Jairath

Contents: 1. Introduction. 2. Matrices. 3. Laplace Transform. 4. MATLAB Basics. 5. Control System-Basic Theory. 6. State Space Concepts and Analysis of State Equations. 7. State Space modeling. 8. Controllability and Observability. 9. State feedback Design. 10. State Estimation.

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Artificial Intelligence and Machine Learning A Comprehensive Guide

Deepti Chopra
Roopal Khurana

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Electronic Components & Applications

V.R. Deo

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Algorithms For Matrix Computation with FPGA Implementation (Including MATLAB & VERILOG Coding)

Dr. Shirshendu Roy

Assistant Professor,
Dayananda Sagar University, Bengaluru



Contents: Preface, 1 Basics of Linear Algebra 1.1 Introduction 1.2 Matrix Definition 1.3 Matrix Operations 1.4 Vector Operations 1.5 Some More Special Matrices 1.6 Determinant 1.7 Inverse of a Matrix 1.8 Multiplication of Triangular Matrices 1.9 Complex Matrix Multiplication 1.10 Eigenvalue Values and Eigenvector 1.11 Positive Definite Matrix 1.12 Conclusion 2 Linear Systems 2.1 Introduction 2.2 Linear Equation 2.3 Linear System 2.4 Types of Linear Equation 2.5 Linearly Dependent Systems 2.6 Sparse Systems 2.7 Solving Inconsistent Systems 2.8 Application of Linear Algebra 2.9 Conclusion 3 Matrix Factorization Based Algorithms 3.1 Introduction 3.2 Solving Linear Equations 3.3 Direct Techniques 3.4 Matrix Inverse Based Techniques 3.5 Schur-Banachiewicz Block Wise Inversion 3.6 Conclusion 4 Iterative Algorithms 4.1 Introduction 4.2 Stationary Iterative Techniques 4.3 Gradient Based Iterative Methods 4.4 Row Based Iterative Algorithms 4.6 Conclusion 5 Basics of FPGA Implementation 5.1 Introduction 5.2 Binary Number System 5.3 Basic Combinational Blocks 5.4 Basic Sequential Blocks 5.5 Memory Design 5.6 Different Architectures and Design Metrics 5.7 FPGA Implementation Basics 5.8 Advanced FPGA Features 5.9 Conclusion 6 Digital Architectures for Linear Systems Part 1 6.1 Introduction 6.2 Architecture for Matrix Multiplication 6.3 Architecture for Back-Propagation 6.4 Matrix Inversion Architectures 6.5 Conclusion 7 Architectures for Linear System Solver 7.1 Introduction 7.2 QR Decomposition Based Direct Linear Solver 7.3 CORDIC Based Direct Linear Solver 7.4 Modified Cholesky Based Direct Linear Solver 7.5 MIB Based Direct Linear Solver 7.6 Performance of Direct Linear Solvers 7.7 Conclusion 8 Matrix Dimensionality Reduction Techniques 8.1 Introduction 8.2 Singular Value Decomposition 8.3 Principal Component Analysis 8.4 Linear Discriminant Analysis 8.5 ICA 8.6 Conclusion 9 Vector Classification Techniques 9.1 Introduction 9.2 Regression Based Classifiers 9.3 K-Means Algorithm 9.4 KNN Algorithm 9.5 Support Vector Machine 9.6 Confusion Matrix 9.7 Conclusions 10 Compressed Sensing 10.1 Introduction 10.2 CS Based Signal Reconstruction Framework 10.3 Recovery Algorithms 10.4 OMP Algorithm for Signal Reconstruction 10.5 Hardware Implementation of OMP Algorithm 10.6 GE Based Signal Reconstruction Framework 10.7 Incremental Gaussian Elimination Approach 10.8 Summary 11 Appendix 1 12 Appendix 2 13 CORDIC Algorithm 13.1 Introduction 13.2 Theoretical Background 13.3 Vectoring Mode 13.3.1 Computation of Sine and Cosine 13.4 Linear Mode 13.5 Hyperbolic Mode 13.6 Example of CORDIC Iteration 13.7 Implementation of CORDIC Algorithms 13.8 Conclusion References, Index

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Advanced Digital System Design

A Practical Guide to Verilog Based FPGA and ASIC Implementation

Shirshendu Roy

Contents: 1 Binary Number System 2 Basics of Verilog HDL 3 Basic Combinational Circuits 4 Basic Sequential Circuits 5 Memory Design 6 Finite State Machines 7 Design of Adder Circuits 8 Design of Multiplier Circuits 9 Division of Modulus Operation 10 Square Root and its Reciprocal 11 CORDIC Algorithm 12 Floating Point Architectures 13 Timing Analysis 14 Digital System Implementation 15 Low Power Digital System Design 16 Digital System Design Examples, Abbreviations, References, Index

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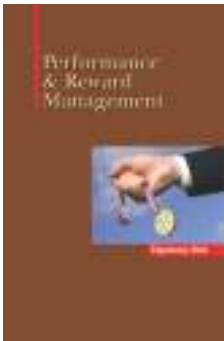




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9788194891888	Advanced Digital System Design : A Practical Guide To Verilog Based Fpga and Asic Implementation	Roy	1995	2022	HB	Ane Books
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Tapomoy Deb

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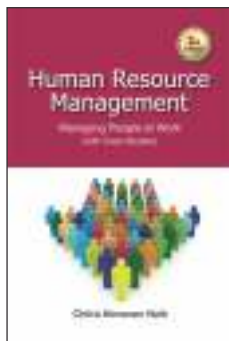
Humanising Management

Transformation through Human Values

G.P. Rao

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Managing People At Work
(with Case Studies)
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Practitioner's Guide to Training & Development

Mohan Bangaruswamy

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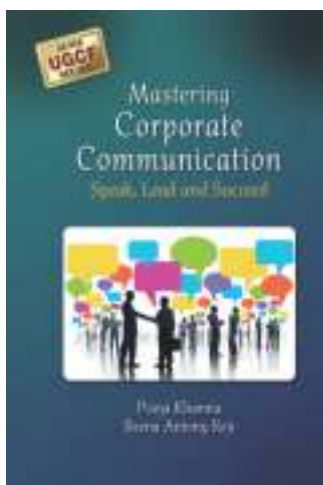


Training of Human Processes

Sushma Khanna

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Mastering Corporate Communication

Speak, Lead and Succeed

Pooja Khanna
Beena Antony Reji

About the Book

Mastering Corporate Communication: Speak, Lead & Succeed is your comprehensive guide to excelling in the corporate world through effective communication. This book is designed to provide you with practical tools, strategies, and insights to enhance your communication skills and leadership abilities.

- **Essential Communication Principles:** Dive into the foundational principles of effective communication, exploring key components like clarity, conciseness, and active listening.
- **Leadership Strategies:** Learn how to lead teams with confidence and efficiency. The book covers delegation, motivation, conflict resolution, and building consensus to help you become a more effective leader.
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- Whether you are a seasoned professional or just starting your career, "Mastering Corporate Communication: Speak, Lead & Succeed" offers valuable insights and practical advice to help you succeed in the corporate world.
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Empowering Communities

Community Development through Student outreach and Internship

Beena Antony Reji
Pooja Khanna

About the Book

- "Community Development through Student Outreach and Internship" is a comprehensive guide designed to facilitate meaningful community engagement through student outreach and internship programs.
- It emphasizes the belief that every individual, regardless of background or expertise, has the potential to contribute significantly to community development.
- The book provides a roadmap for those who aspire to create positive change, offering an understanding, practical tools, techniques, personal reflections, and ethical considerations to guide their journey.
- Through diverse voices and experiences, it covers foundational concepts of community organization and practical strategies for effective outreach programs.
- Ultimately, "Community Development through Student Outreach and Internship" serves as a tribute to the dedication of community workers, volunteers, and students. Inviting readers to join a journey of discovery, challenge, and transformation towards empowering communities and transforming lives.

Key Takeaways

- **Comprehensive coverage:** "Community Development through Student Outreach and Internship" offers a comprehensive exploration of community outreach, from defining the concept of community to practical guidance on designing outreach programs across various domains.
- **Practical guidance:** The book provides actionable insights on working effectively with communities, including building trust, fostering cultural competence, and mastering communication strategies, ensuring readers have the tools they need for successful engagement.



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Team Building

Teamwork makes the dreamwork

Shikha Sharma

Rachna Jain

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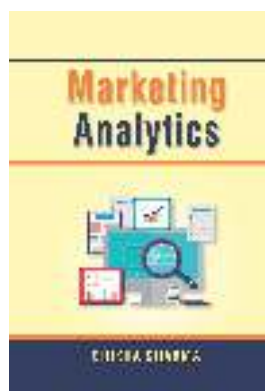
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Shikha Sharma

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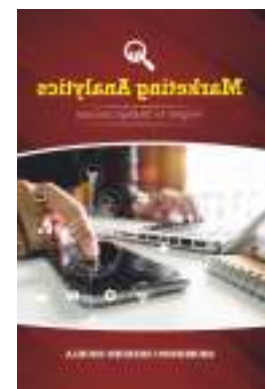
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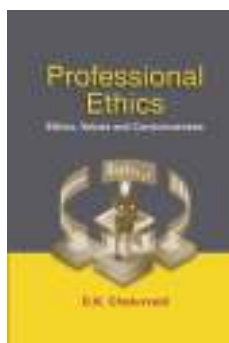
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D.J. Syam

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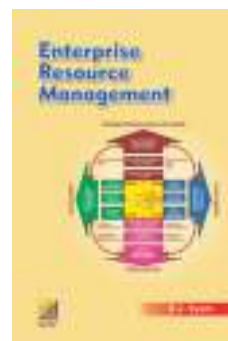
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K Balasubramaniyan
M. Jamal Mohamed Zubair

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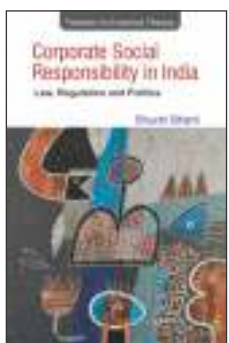


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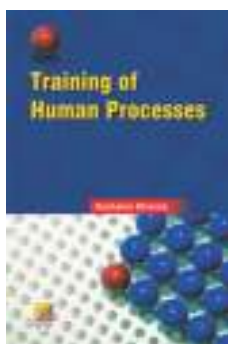
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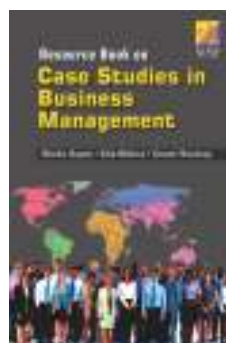


Training of Human Processes

Sushama Khanna

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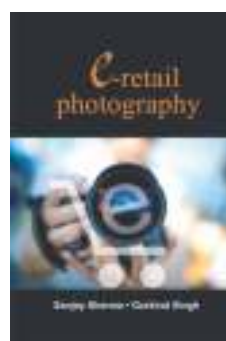


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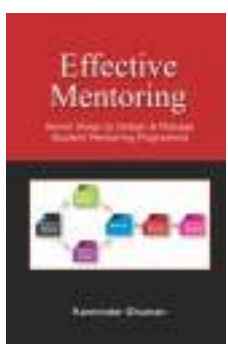


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Sanjay Sharma
Gurkirat Singh

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Effective Mentoring Seven Steps to Design & Manage Student Mentoring Programme

Karminder Ghuman

About the Book: This research-informed and practitioner-approved book is essentially a how-to manual on structured, formal and facilitated student mentoring programme at an educational institution. It has been designed and developed for the practitioners to:

- Guide and handhold the institutions to design, implement and assess their mentoring programme through a step-by-step approach.
- Codify the tenets and principles of mentoring into a simple to comprehend and easy to implement mentoring programme.

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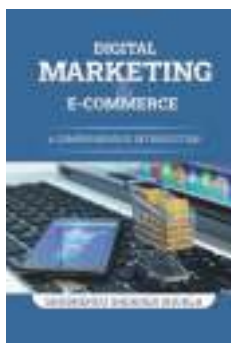
Family Managed Multinationals and Public Sector Enterprises

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Ishwar Dayal, Mirza S. Saiyadain
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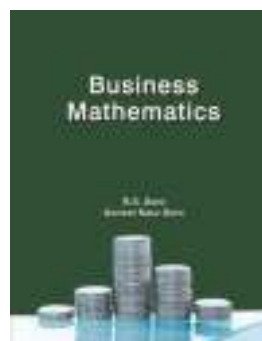


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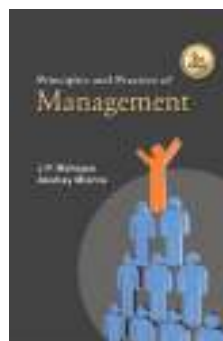


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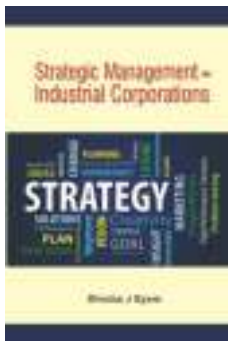
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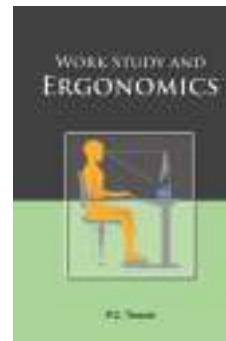


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Sangeeta Malik

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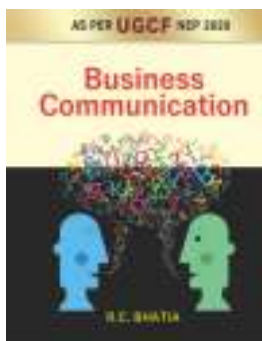


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Mohan Bangaruswamy
G.P. Rao

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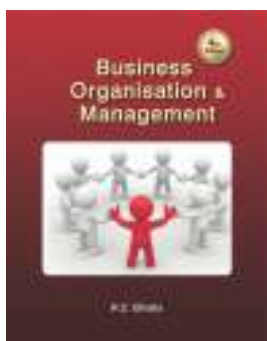
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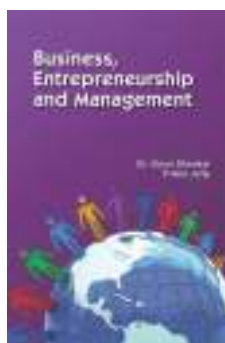
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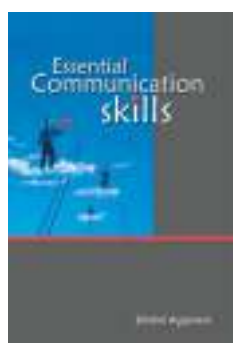


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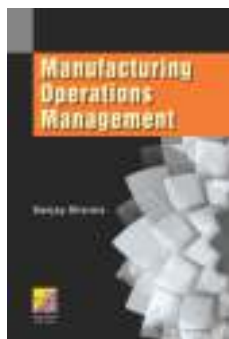


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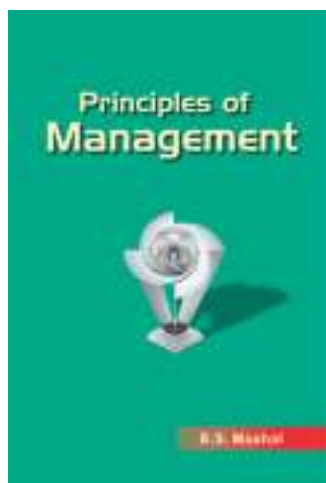
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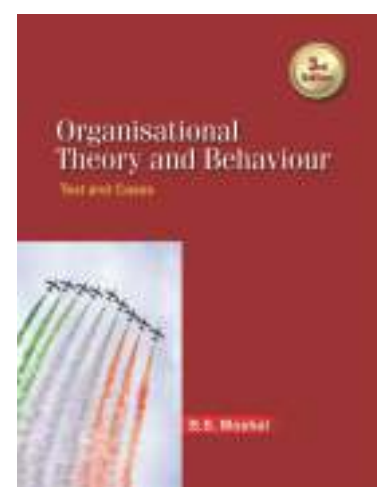
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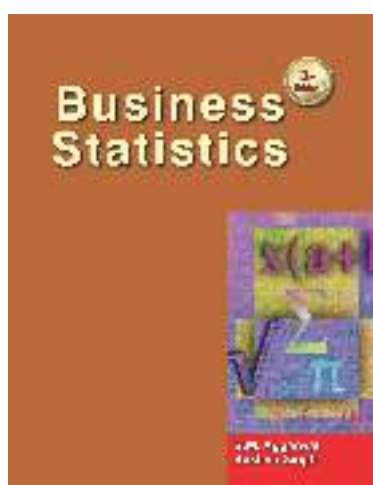
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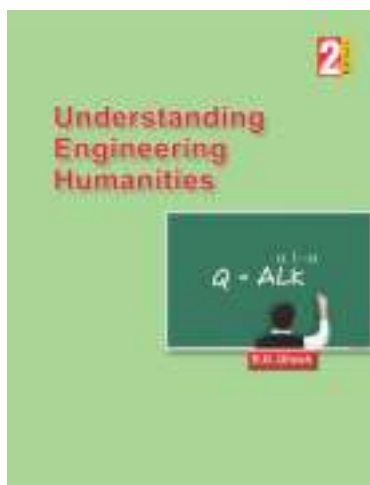
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A Comprehensive Guide

Shubhendu Shekhar Shukla

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Amit Charan
Rekha Dhaiya

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Ram Kishen
Nalini Dutta

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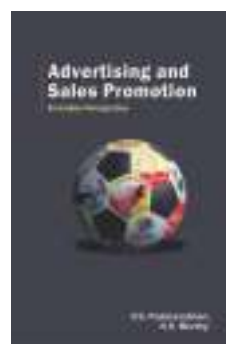
Media and You

Trends, Challenges and Opportunities Today

Latha Rajagopalan Kumar

Contents: 1. Introduction 2. Media Re-designed 3. Women and Theatre 4. Enriching Radio 5. The Power of Advertising 6. Women: Catalysts of Change 7. Where does my journey as a cinematographer begin? 8. The Tech Wave 9. Gender Inequality in News Organizations 10. Trends in the Media Industry 11. Media Education and Industry Needs *Appendix-1: Portrayal of Women in Media Appendix-2: Media and Cyber Laws in India Special Feature: Liberty, Democracy and Responsible Social Media*©

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An Indian Perspective

V.S. Padmanabhan
H.S. Murthy

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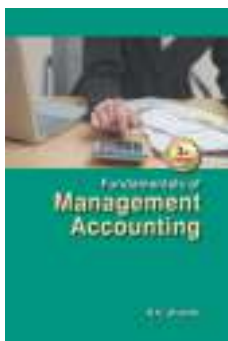
Digital Marketing & E-Commerce

A Comprehensive Introduction

Shubhendu Shekhar Shukla

Contents: 1. Introduction to Digital Marketing & Website and Blog Development 2. SEC & Email Marketing 3. SEM & Social Media Marketing 4. Using Marketing Strategies & Analytics Tools 5. E-Commerce, Short Questions, Common Terminology.

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Fundamentals of Management Accounting

3/Ed

H. V Jhamb

About the Book: This book is written for students studying management accounting at the undergraduate level. It provides comprehensive coverage of all basic concepts of management accounting to suit the requirements of students of B.Com (Hons.), BBA, CA, I.C.W.A, M.B.A and M.Com, and managers who are interested in updating their knowledge of management accounting. An attempt has been made to expose various fundamentals and techniques in a simple, lucid and logical manner. The main thrust is on application of various techniques in tactical decision making in the area of profit planning and control.

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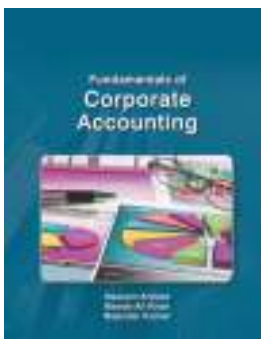
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3/Ed

Preeti Singh

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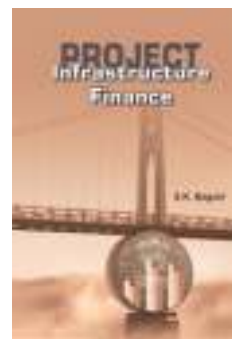


Fundamentals of Corporate Accounting

Naseem Ahmed
Nawab Ali Khan
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S.K. Bagchi

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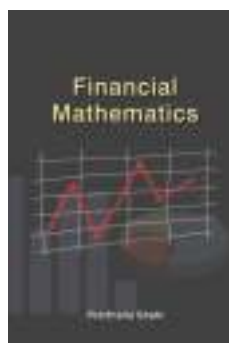


Financial Accounting

Naseem Ahmed
M.L. Gupta
Rajender Kumar

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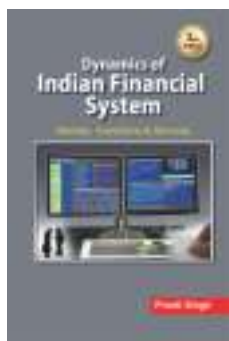


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Prarthana Shahi

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Preeti Singh

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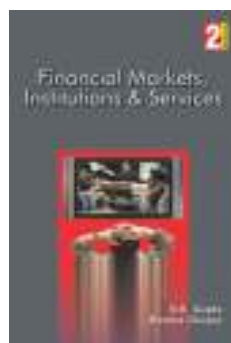


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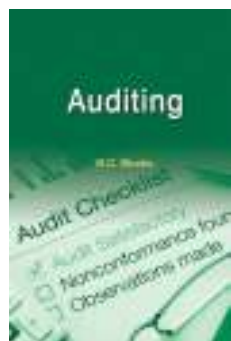
Financial Markets, Institutions and Services

2/Ed

N.K. Gupta
Monika Chopra

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History of Economic Thought

18/Ed

T.N. Hajela

About the Book: The book discusses the development of the history of economic thought from the earliest times to the most recent times. Part One deals with the development of economic thought in Western Countries. Book One deals with the economic thought in ancient times and medieval ages. Book Two gives in detail the pre-classical economic thought. Book Three deals with the economic thought of the classicism. Book Four discusses the economic thought of the critics of the classical school. Book Five deals with the restatement of the classicism. Book Six covers the economic thought of the subjectivists, marginalists and neo-classicals. Book Seven gives the economic thought as it developed as a reaction to neo-classicism Institutionalism, Welfare Economics, General Equilibrium Economics. Book Eight discusses the Keynesian Economics and Post Keynesian developments in Economic Thought and Book Nine discusses the development of some of the important theories as also gives the contribution of the Nobel Laureates and other prominent economists. Part Two deals with the Indian Economic Thought and covers the economic thought of the modern times.

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Public Finance

5/Ed

T.N. Hajela

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Cooperation

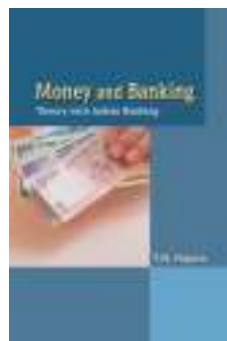
Principles, Problems and Practice

8/Ed

T.N. Hajela

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Money and Banking

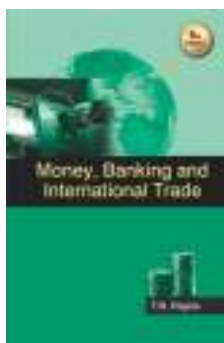
Theory with Indian Banking

T.N. Hajela

About the Book: This edition has been thoroughly revised, updated and rewritten. The book has been divided into three parts containing 25 chapters in all. Part One on Money comprises thirteen chapters. Part Two on Banking Theory contains six chapters. Part Three deals with the Banking in India. It comprises six chapters. At the end, two appendices have been added which cover significant subjects in view of the prevailing macro-economic conditions in India.

Since, this is a textbook primarily meant for the students of undergraduate and postgraduate courses in economics of the Indian universities; it covers broadly the syllabi of almost all the universities.

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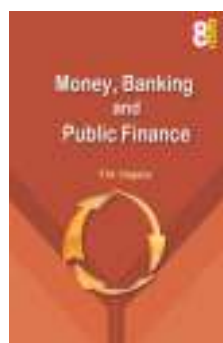
Money, Banking and International Trade

9/Ed

T.N. Hajela

Contents: MONEY AND BANKING PART ONE : MONEY 1. Evolution and Functions of Money 2. The Role of Money 3. The Circular Flow of Money 4. The Demand for Money 5. The Supply of Money 6. The Determination of Value of Money transactions Approach 7. The Determination of Value of Money the Keynesian Approach 8. Friedman Reformulation of Quantity Theory of Money 9. Measurement of Changes in the Value of Money 10. Inflation, Deflation and Reflation 11. Phillips Curve and Stagflation 12. Theories of Trade Cycles 14. Money and Capital Markets 15. Organisation and Structure of Commercial Banks 16. Credit Creation by Commercial Banks 17. Functions of the Central Bank 18. Central Bank and Credit Control 19. Monetary Policy 20. Indian Money Market and Capital Market 21. The Indian Banking System 22. Commercial Banks in India 23. Nationalisation of Banks in India 24. The Reserve Bank of India 25. Monetary Policy of Reserve Bank of India INTERNATIONAL TRADE PART ONE : INTERNATIONAL TRADE AND EXCHANGE 26. Theory of International Trade (The Law of Comparative Cost) 27. Modern Developments in Theory of International Trade 28. Gains from Trade and Terms of Trade 29. Free Trade versus Protection 30. Tariffs and Quotas 31. Balance of Payments 32. Problem of International Payments (Exchange Market) 33. Problem of Exchange Rates 34. Exchange Control 35. India Foreign Trade 36. India Balance of Payments 37. International Monetary System 38. International Monetary Fund 39. Problems of International Liquidity 40. International Bank for Reconstruction and Development 41. World Trade Organisation 42. UN Conference on Trade and Development

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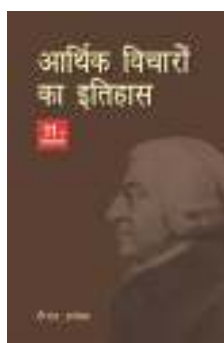
Money, Banking and Public Finance

8/Ed

T.N. Hajela

Contents: MONEY & BANKING, PART ONE: MONEY 1. Evolution and Functions of Money 2. The Role of Money 3. The Circular Flow of Money 4. The Demand for Money 5. The Supply of Money 6. The Determination of Value of Money – Transactions Approach 7. The Determination of Value of Money _ The Keynesian Approach 8. Friedman's Reformulation of Quantity Theory of Money 9. Measurement of Changes in the Value of Money 10. Inflation, Deflation and Reflation 11. Philips Curve and Stagflation 12. Theories of Trade Cycles 13. Post – Keynesian Development in Trade Cycle Theories PART TWO : BANKING THEORY 14. Money and Capital Markets 15. Organisation and Structure of Commercial Banks 16. Credit Creation by Commercial Banks 17. Functions of the Central Bank 18. Central Bank and Credit Control 19. Monetary Policy PART THREE : BANKING IN INDIA 20. Indian Money Market and Capital Market 21. The Indian Banking System 22. Commercial Banks in India 23. Nationalisation of Banks in India 24. The Reserve Bank of India 25. Monetary Policy of Reserve Bank of India Appendices I. Full Convertibility of Rupee II. Management of Foreign Exchange Reserves PUBLIC FINANCE 26. Nature and Significance of Public Finance 27. The Theory of Public Finance 28. The Principle of Maximum Social Advantage 29. Public Expenditure – General Issues 30. Objectives and Principles of Public Expenditure 31. Effects of Public Expenditure 32. Public Expenditure in India 33. Public Revenue - General Issues 34. The Distribution of Tax Burden 35. Taxable Capacity 36. Impact and Incidence of Taxes 37. Prof. Murgrave on Shifting of Incidence 38. Classification and Choice of Taxes 39. Effects of Taxation 40. Sources of Revenue of Central Government in India (Tax and Non-Tax Revenue) 41. Sources of Revenue of State Governments in India 42. Public Debt - General Issues 43. Management of Public Debt 44. Public Debt in India 45. The Public Budget 46. Techniques of Budgeting 47. Budgets of the Government of India Select Bibliography

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आर्थिक विचारों का इतिहास

11वां संस्करण

टी.एन. हजेला

पुस्तक के विषय में: "आर्थिक विचारों का इतिहास" राष्ट्र-भाषा में कदाचित पहला प्रयास था, जो भारतीय विद्यार्थियों की आवश्यकताओं की पूर्ति के लिए किया गया था। इस का पहला संस्करण 1976 में प्रकाशित हुआ था। उस समय अंग्रेजी भाषा में तो अनेक अच्छी-अच्छी पुस्तकें थीं। किन्तु हिन्दी भाषा में यह पहली पुस्तक थी जिसमें विश्व के विभिन्न भागों में विकसित आर्थिक विचार धाराओं का क्रमानुसार इतिहास प्रस्तुत किया गया है।

साथ ही, यह विभिन्न भारतीय विश्वविद्यालयों के पूर्व-स्नातक एवं उत्तर-स्नातक पाठ्यक्रमों पर आधारित है। इसकी भाषा अत्यन्त सरल है। पुस्तक के दो भाग हैं: प्रथम भाग के 36 अध्यायों में विदेशों में आर्थिक विचारों के विकास का विवरण दिया गया है, और दूसरे भाग के 5 अध्यायों में भारत में आर्थिक विचारों के विकास का विवेचन प्रस्तुत किया गया है। 35 वें अध्याय में 1969 से 2007 तक 61 नोबेल पुरस्कार प्रदत्त अर्थशास्त्रियों के योगदानों का वर्णन पुस्तक की एक अद्वितीय विशेषता है जबकि 36 वां अध्याय अन्य विश्व-प्रसिद्ध अर्थशास्त्रियों के विचारों का विवेचन प्रस्तुत करता है।

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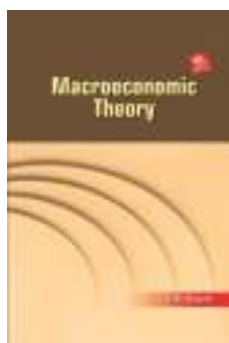
राजस्व के सिद्धान्त

14वां संस्करण

टी.एन. हजेला

पुस्तक के विषय में : "राजस्व के सिद्धान्त" शीर्षक से प्रकाशित पुस्तक राजस्व संबंधी सिद्धान्तों एवं भारतीय राजस्व नीति तथा प्रणाली का अत्यन्त सरल भाषा में सिंहावलोकन प्रस्तुत करती है और यह विशेष रूप से भारतीय विश्वविद्यालयों में पढ़ने वाले विद्यार्थियों की सहायता के लिए लिखी गई है। राष्ट्रभाषा में लिखित यह पहली पुस्तक है जिसमें लोक वित्त के सिद्धान्तों का अध्ययन न्यायपूर्ण एवं सरल भाषा में प्रस्तुत किया गया है।

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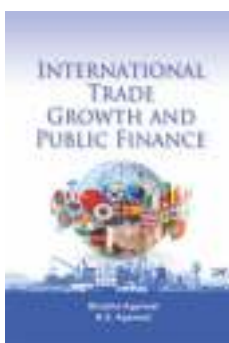
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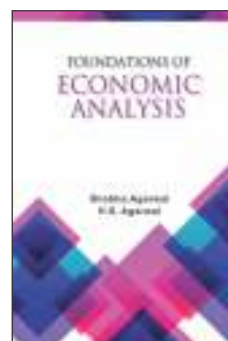


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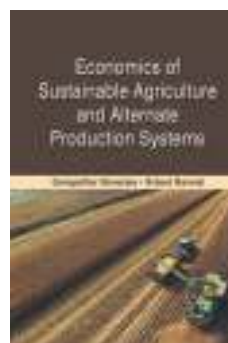


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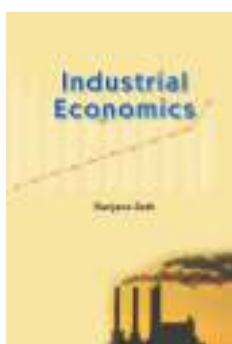


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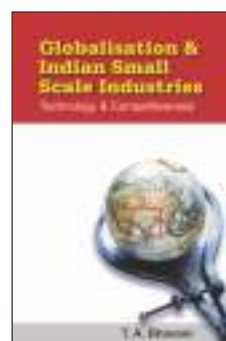


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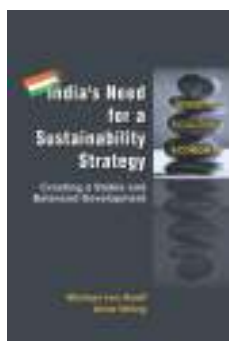


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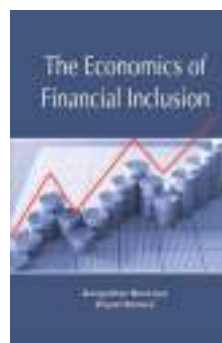
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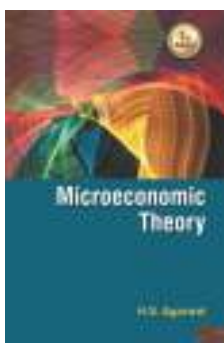


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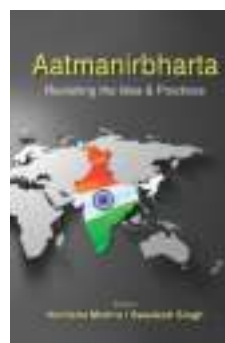
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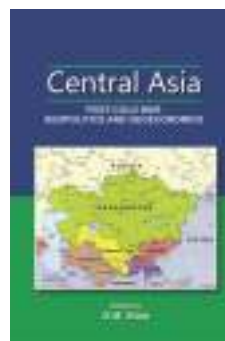
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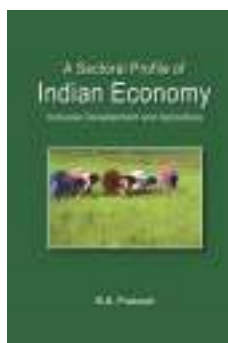
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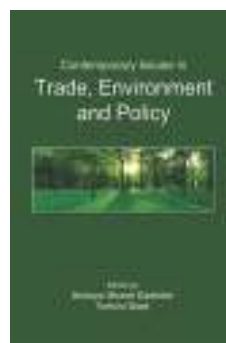
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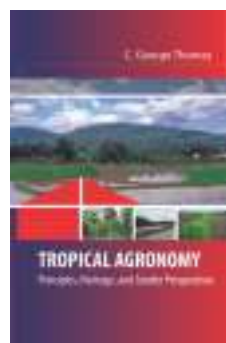


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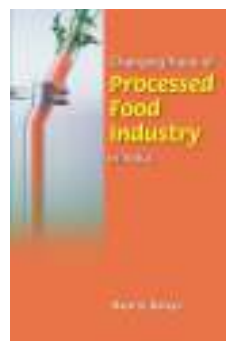


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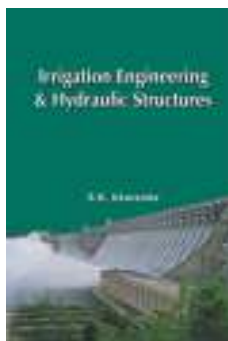


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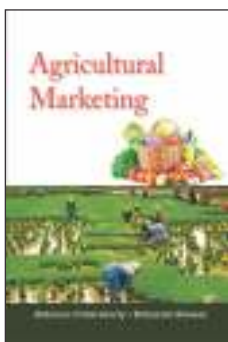


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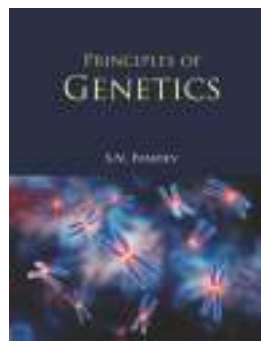


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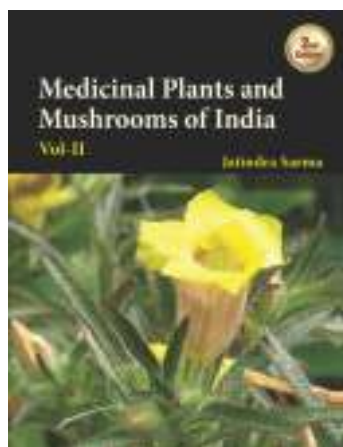
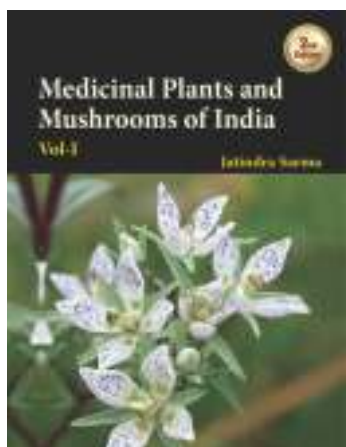


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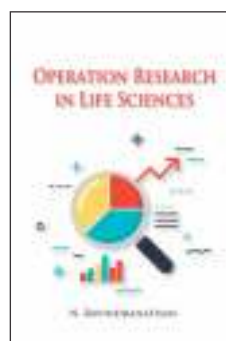


Applied Plant Biotechnology

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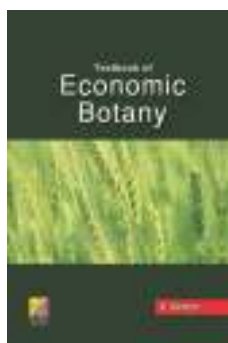


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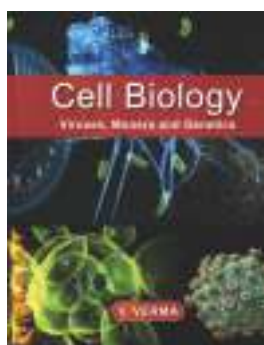
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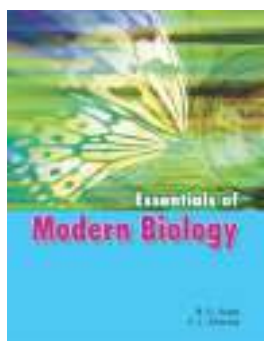


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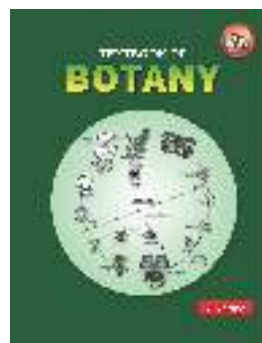


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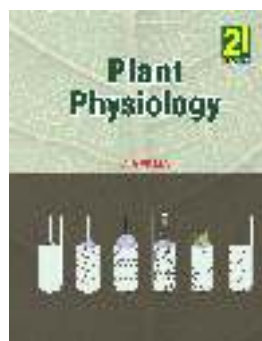


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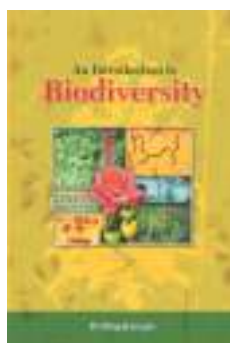


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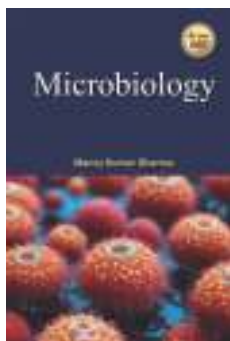


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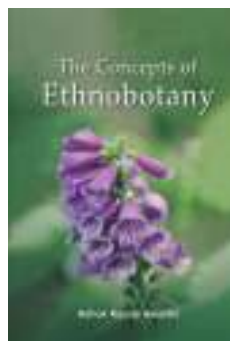


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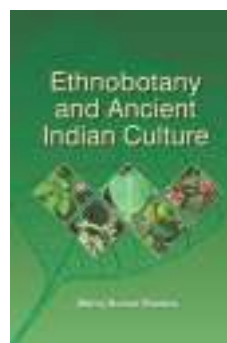


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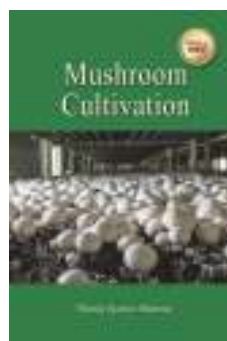


Ethnobotany and Ancient Indian Culture

Manoj Kumar Sharma

Contents: 1. Tree Worship in the Vedic Period 2. Tree Worship in the Vedic Period Concerning Puranas 3. Tree Worship in Buddhism and Jainism 4. Plant and Astrology 5. Sacred Groves 6. Sacred Groves in India 7. Plants in Worship and Myths 8. Plants in the Epics 9. *Welwitschia*: Unique Features and Ecological Significance 10. *Cacti*: Unique Features and Ecological Significance 11. *Orchids*: Unique Features and Ecological Significance 12. *Wolffia*: Unique Features and Ecological Significance 13. *Rafflesia*: The Giant Among Flowers 14. *Sequoia and Its Allied Taxa*: Majestic Giants of the Forest 15. *Victoria amazonica*: The Queen of Water Lilies 16. *Amorphophallus*: Uniquely Fascinating Plants 17. *Adansonia*: The Baobab Genus 18. *Selaginella lepidophylla*: The Resurrection Plant 19. *Desmodium gyrans*: The Telegraph Plant 20. *Mimosa pudica*: The Sensitive Plant 21. *Dionaea*: The Venus Flytrap 22. *Nepenthes*: The Tropical Pitcher Plants 23. *Drosera*: The Sundews 24. *Utricularia*: The Bladderworts 25. *Parasitic Plants*: Nature's Intriguing Freeloaders 26. Medicinal plants 27. Poisonous plants 28. Pollination Mechanism in *Salvia* 29. Pollination Mechanism in *Calotropis*

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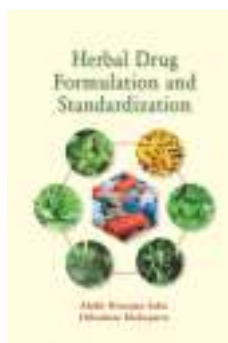


Mushroom Cultivation As per NEP

Manoj Kumar Sharma

Contents: 1. Common Cultivated Mushrooms and their Food Value 2. Commercial Cultivation of Button Mushroom 3. Compost Preparation for Button Mushroom 4. Filling of Bags with Compost for Button Mushroom 5. Spawning of Button Mushroom 6. Casing in Button Mushroom 7. Cropping and Harvesting of Button Mushroom 8. Commercial Cultivation of Pearl Mushroom 9. Compost for Pearl Mushroom 10. Cropping and Harvesting of Pearl Mushroom 11. Commercial Cultivation of Oyster Mushroom 12. Compost for Oyster Mushroom 13. Cropping and Harvesting of Oyster Mushroom 14. Commercial Cultivation of Paddy Straw Mushroom 15. Compost for Paddy Straw Mushroom 16. Cropping and Harvesting of Paddy Straw Mushroom 17. Commercial Cultivation of Milky Mushroom 18. Compost for Milky Mushroom 19. Cropping and Harvesting of Milky Mushroom 20. Mushroom Growing Unit 21. Medicinally Important Mushrooms 22. Viral Disease in Cultivated Mushroom 23. Bacterial Disease in Cultivated Mushroom 24. Fungal Disease in Cultivated Mushroom 25. Disease Management in Cultivated Mushrooms 26. Insect Pest Management in Cultivated Mushrooms 27. Waste Disposal of Various Mushroom 28. Management of Waste Compost 29. Health and Safety at Workplace, Glossary, Questions

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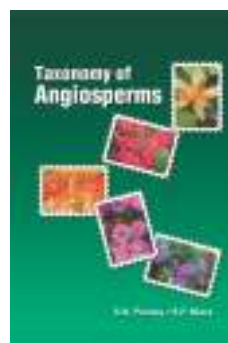


Herbal Drug Formulation and Standardization

Alekh Niranjana Sahu
Debadatta Mohapatra

Contents: 1. Natural Products, Herbal Drugs, and Phytopharmaceuticals 2. Challenges of Herbal Drugs Formulation and Standardization 3. Standardization and Quality Evaluation of Crude Drugs 4. Formulation and Development of Herbal Drugs 5. Characterization of Herbal Formulations 6. Packaging, Stability, and Shelf-life of Herbal Products

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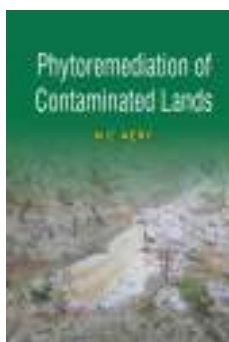


Taxonomy of Angiosperms

S.N. Pandey
S.P. Misra

Contents: 1. Introduction 2. Geopolitics of Central Asia 3. Eurasian Economic Union: Cost and Benefit for the Central Asian States 4. Dynamics of Security in Central Asia and its Implications for the Regional Integration 5. External Powers in Central Asia 6. Geopolitical Clusters in Eurasia 7. China's Strategic Engagement with Central Asia 8. Great Game in Central Asia: An Analysis of Goals, Players and Strategies 9. New Great Game in and Uzbekistan 10. Understanding the New Great Game in Central Asia 11. Russia's Role in New Great Game in Caspian Sea Region 12. Role of United States, Russia and India in New Great Game in Central Asia 13. Central Asia in the Post-Cold War Era 14. Democratic Kazakhstan—Promoter of Peace and Security in Eurasia 15. Post-Soviet Central Asia: Role and Strategy in the Region 16. The Impact of New Great Game on Kyrgyzstan's Democratisation and Politics 17. Energy Potential of Turkmenistan: Implications for South Asia Especially India 18. India's Neighbourhood Policy: Challenges of Change 19. India's Economic Relations with Afghanistan with Special Reference to Trade and Investment 20. India and Central Asia in The Changing Dynamics of Asia 21. India's Response to New Great Game in Central Asia with Special Reference To Tajikistan 22. Good Governance, Human Rights and Globalisation 23. Post-Cold War Development Challenges of Central Asian States 24. Freedom of Press in Central Asian States: an Overview 25. Post-Soviet Kazakhstan: Politics of Identity and Inter-Ethnic Relations

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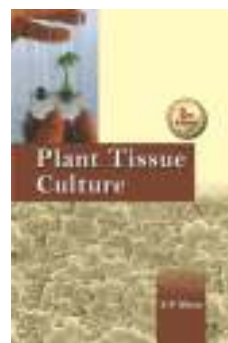


Phytoremediation of Contaminated Lands

N.C. Aery

Contents: 1. Contaminated Land 2. Characteristics of Waste 3. Remediation of Contaminated Lands 4. Phytoremediation Strategies 5. Elemental Accumulation in Plants 6. Selection of Plant Species 7. Agronomic Practices for Phytoremediation 8. Conditioning of Waste 9. Assisted Phytoextraction 10. Land-Use Options 11. Advantages, Limitations, Prospects and Economics of Phytoremediation 12. Biotechnological Approaches to Phytoremediation 13. Case Studies, Literature Cited, Appendix-I-III, Index.

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Plant Tissue Culture

2/Ed.

S.P. Misra

Contents: History of Plant Tissue Culture • Laboratory Organisation • Establishment of Sterile Cultures • Culture Media, Growth Regulators and Nutrient Supplements • Totipotency, Cytodifferentiation, Organogenesis, Somatic Embryogenesis and Artificial Seeds • Basic Techniques and Types of in vitro Culture • Callus Induction and Cell Culture • Micropropagation (Clonal Propagation) • Somaclonal Variation and Gametoclonal Variation, Zygotic Embryo Culture • Meristem Culture for Disease Free Plants • Haploids: Anther and Pollen Culture • Plant Protoplasts : Isolation, Culture, Regeneration and Somatic Hybridization • Gene Transfer Methods and Transgenic Plants • Achievements, Applications and Prospects of Plant Tissue Culture • Status of Plant Tissue Culture Technology in India • Bioethics in Plant Tissue Culture.

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Handbook of Diseases Causing Microbes

Jaishree Paul

Contents: 1 Introduction to Infectious Diseases, 2 Skin Infections, 3 Respiratory Tract Infections, 4 Gastrointestinal Tract Infections, 5 Urinary and Genital Tract Infections, 6 Blood and Lymphatic Infections, 7 Nervous System Infections, 8 Nosocomial Infections

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Environment and Ecology 2/Ed

S.N. Pandey
S.P. Misra

Contents: 1. Environmental Studies: An Introduction 2. Natural Resources and Energy Resources 3. Water Resources 4. Forest Resources 5. Phytogeography of India 6. Biodiversity 7. Threats to Biodiversity 8. Endemism and Hot Spots of Vegetation in India 9. Conservation of Biodiversity 10. Sustainable Development 11. Afforestation, Social-forestry and Agro-forestry 12. Introduction to Ecology 13. Ecological Factors: Climatic Factors 14. Soil or Edaphic Factors 15. Topographic Factors and Biotic Factors 16. Ecological Groups and Adaptations 17. Concept of Ecosystem 18. Structure and Functions of Ecosystem 19. Producers, Consumers and Decomposers 20. Energy Flow in Ecosystem 21. Food Chains, Food Webs and Ecological Pyramids 22. Various Ecosystems 23. Ecological Succession (Community Dynamics) 24. Characteristics of Community 25. Population Dynamics 26. Pollution: An Introduction 27. Air Pollution 28. Water Pollution 29. Water Borne and Water Induced Diseases and Fluoride Problem in Drinking Water 30. Soil Pollution 31. Marine Pollution 32. Noise and Thermal Pollution and Nuclear Hazards 33. Pollution Case Studies 34. Select Environment Issues 35. Consumerism and Environmental Protection 36. Environment Protection Acts.

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Microbes and Non-Flowering Plants Impact and Applications

Mamatha Rao

Contents: 1. Introduction, 2. Plant Diversity, Conservation and Sustainable use of Plant Bioresources, 3. Biomolecules from Non-Flowering Plants, 4. Viruses, 5. Mycoplasmas, 6. Bacteria, 7. Yeasts, 8. Fungi, 9. Lichens, 10. Algae, 11. Bryophytes, 12. Pteridophytes, 13. Gymnosperm, 14. Non-Flowering Plant in Biotechnology, 15. Antibiotics, 16. Vaccines, 17. Microbial Toxins, 18. Natural Products from Endophytes, 19. Fermented Food and Beverages, 20. Microbe Mediated Production of Industrial Raw Material, 21. Food Spoilage by Microbes, 22. Microbes in Biogeochemical Cycle, 23. Biodegradation by Microbe, 24. Lectins in Microbes

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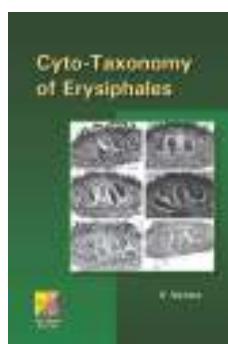


Genomics Technologies in Humans and Infections Analytics

Awanish Kumar
Sunil Kumar

Contents: 1. Human and Primate Genomes 2. Genes in Human Health and Disease 3. Methods of Gene Function Analysis 4. Shotgun Sequencing and its Application in Various Genome Projects 5. Algorithms for Analysis of DNA and its Complexity 6. Algorithms and Processes for Building a Phylogenetic Tree 7. Virulent Genes in Infectious Disease 8. In Silico and in Vitro Methods for Identification of Antimicrobial Resistance in The Genome 9. Expression and Functional Genomics for Biomarker Identification in Tuberculosis Infections 10. Genomics-Based Diagnostic Methods for the Analysis of COVID-19 11. Analysis of Gene Expression and Regulation 12. Genetics and Genomics of Human Disease Sickle Cell Anemia 13. Human Genebanks and Biobanks 14. Regulation of Gene Expression in a Rare Human Disease Xeroderma Pigmentosum

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Cyto Taxonomy of Erysiphales

V. Verma

Contents: 1. Introduction and Previous Work 2. Materials and Methods 3. Observations 4. Discussion 5. Summary and Conclusions Literature Cited, Appendix

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Ane's Dictionary of General & Applied Entomology

M.S. Dhooria

About the Book: "Ane's Dictionary of General and Applied Entomology" has been written keeping in view the fact that different terminology employed in teaching and researchers on different aspects of studies on insects and their management is found in scattered sources.

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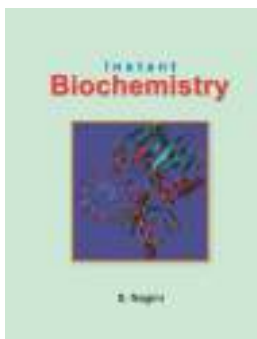
Legumes in India

Applications in Food,
Medicine and Industry

Mamatha Rao

Contents: PART I : Bioresource Potential of Legumes in India 1. Introduction 2. The Legumes 3. The Economic Potential of Legumes in India 4. Cultivated Legumes 5. Chemistry of the Legumes 6. Nutritional Significance of Edible Legumes 7. Antinutritional Factors in Edible Legumes 8. Toxicants in Edible Legumes 9. Lectins in Legumes 10. Lipids in Indian Legumes 11. Tannins in Legumes 12. Pigments and Dyes in Legumes 13. Terpenoids in Legumes 14. Saponins in Legumes 15. Legumes With Antimicrobial and Pesticidal Activity 16. Systems of Medicine and Health Care 17. Legumes in Ethnomedicine 18. Legumes in Ayurveda 19. Legumes in the Siddha System of Medicine 20. Legumes in the Unani System of Medicine 21. Legumes in Homoeopathy 22. Legume Flavonoids in Medicine 23. Legumes in the Management of Cancer PART II: Information Profiles of Legume Species in India 24. Caesalpinaceae 25. Fabaceae 26. Mimosaceae, Glossary, Bibliography, Index.

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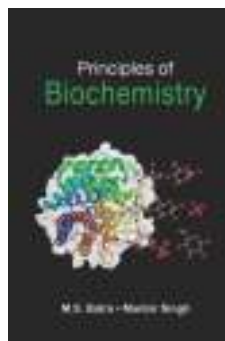


Instant Biochemistry

S. Nagini

Contents: Cell Structure and Biomolecules, 1. The Cell and Subcellular Organelles; 2. Structures and Functions of Biomolecules: Enzymes and Vitamins, 3. Enzymes; 4. Vitamins and Coenzymes: Bioenergetics and Metabolism, 5. Bioenergetics and Biologic Oxidation; 6. Metabolism of Carbohydrates; 7. Metabolism of Lipids; 8. Metabolism of Amino Acids and Nonprotein Nitrogen; 9. Metabolism of Purines and Pyrimidines; 10. Metabolism of Porphyrins and Bile Pigments; 11. Metabolism of Calcium, Phosphate, and Magnesium; 12. Trace Elements: Endocrinology and Nutrition, 13. Hormone Classification and Mechanism of Action; 14. Hormones of The Hypothalamus and the Pituitary; 15. Thyroid Hormones; 16 Adrenal Hormones; 17. Gonadal Hormones; 18. Gastrointestinal and Pancreatic Hormones; 19. Elements of Nutrition: Homeostasis, 20. Sodium, Potassium, and Water Homeostasis; 21. Hydrogen Ion Homeostasis; 22. Blood Glucose Homeostasis, Diabetes and Hypoglycaemia: Function Tests and Plasma Proteins, 23. Liver Function; 24. Kidney Function; 25. Gastric Function; 26. Pancreatic and Intestinal Function; 27. Plasma Proteins and Blood Coagulation: Molecular Biology and Genetic Engineering, 28. Chromatin Organization; 29. DNA Replication and Repair; 30. Transcription and Posttranscriptional Processing; 31. Translation and Regulation of Gene Expression; 32. Recombinant DNA Technology: Analytical Techniques, 33. Analytical Techniques: Special Topics, 34. Basic Principles of Oncology; 35. Genomics, Proteomics, and Bioinformatics; Index

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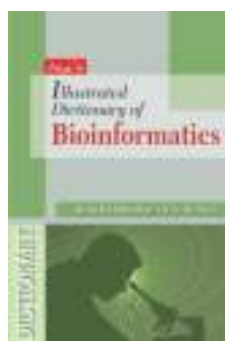


Principles of Biochemistry

M.S. Batra
Manbir Singh

Contents: 1. Introduction to Biochemistry 2. Water and Electrolytic Balance 3. Carbohydrates 4. Proteins 5. Lipids 6. Nucleic Acids 7. Enzymes 8. Vitamins 9. Minerals 10. Bioenergetics 11. Carbohydrate Metabolism 12. Lipid Metabolism 13. Amino Acid Metabolism 14. Tools of Biochemistry

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Ane's Illustrated Dictionary of Bioinformatics

Anusha Bhaskar
V.G. Vidhya

About the Book: The major advances in the field of molecular biology has led to the exploration of biological information and has thus forced the requirement of Bioinformatics to store organize retrieve and use this data. It now entails the creation and advancement of databases, algorithms, computational and statistical techniques, and theory to solve formal and practical problems arising from the management and analysis of biological data. The primary aim of Bioinformatics is to increase our understanding of biological processes. This book is a comprehensive collection of such data, terms and techniques useful to all concerned in the field of Bioinformatics.

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Textbook of Biotechnology

Ravi Toteja

Contents: Preface 1. Introduction to Biotechnology 2. Introduction to Cell 3. Vehicles for Gene Cloning 4. Restriction Enzymes 5. Cloning of DNA 6. Gene Library 7. Protein Production 8. Polymerase Chain Reaction 9. DNA Sequencing and Site Directed Mutagenesis 10. Plant Genetic Engineering 11. Animal Biotechnology: Transgenics 12. Applications of Biotechnology 13. Biotechnology and Intellectual Property Rights, Index

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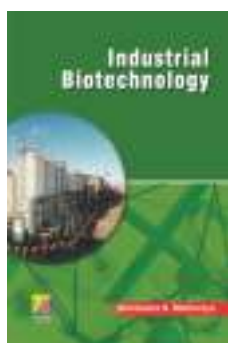


Essentials of Biotechnology

Suparna S. Pachauri
R. C. Sobti

Contents: Preface, 1. Biotechnology, 2. Basic Methodologies & Tools in Biotechnology, 3. Specialized Tools in Biotechnology-I: Cell Culture Technologies, 4. Specialized Techniques in Biotechnology-II: Nucleic Acid Based Technologies, 5. Specialized Tools in Biotechnology-III: Protein Based Technologies, 6. Immunological and Molecular Diagnostic Techniques, 7. Applications of Biotechnology in Health, 8. Biotechnology in Agriculture, 9. Biotechnology in Environment, 10. Biotechnology & Aquaculture, 11. Biotechnology of Food, 12. Biotechnology in Developing Countries (Including Biotechnology in India), 13. The Ethical & Social Implications of Genetic Engineering, 14. Intellectual Property Right and Patenting.

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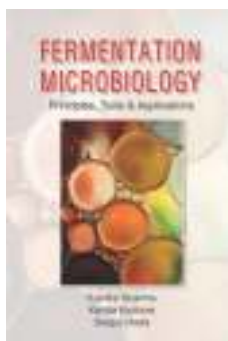


Industrial Biotechnology

Abhilasha S. Mathuriya

Contents: Preface, 1. General Introduction to Biotechnology 2. Microorganisms 3. Fermentation 4. Batch, Fermentation Kinetics 5. Fed Batch Fermentation Kinetics 6. Continuous Fermentation Kinetics 7. Bioreactors 8. Mechanical Design of Bioreactor 9. Immobilized Reactors 10. Mass Transfer Operations in Bioprocesses 11. Oxygen Transfer Operations in Bioprocesses 12. Control Strategies for Bioprocesses 13. Downstream Processing 14. Industrial Applications, Suggested Readings.

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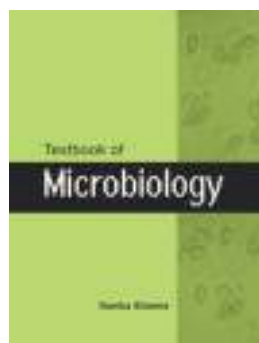
Fermentation Microbiology

Principles, Tools & Applications

Kanika Sharma
Kavita Rathore
Deepa Hada

Contents: 1. Fundamentals and Principles of Fermentation Technology 2. Tools of Fermentation Technology 3. Applications of Microbial Fermentation

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Textbook of Microbiology

Tools & Techniques
2/Ed.

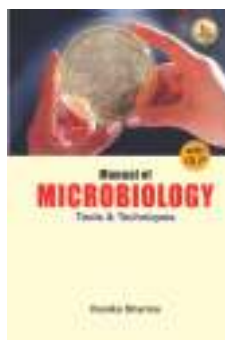
Dr. Kanika Sharma

About the Book: This book has been written with an aim to provide an integrated knowledge about the fundamentals as well as applied aspects of Microbiology. It includes description of type, structure and mode of life of microorganisms, as well as the direct and indirect effects of microbial activities on human affairs. The text has been well defined and segregated into individual units, each dedicated to a specific area of Microbiology.

Unit I introduces the student to the microbial world and fundamental principles of microbiology. Unit II includes the details of forms, characteristics, classification, life cycle and structural organization of prokaryotic microbes. Unit III deals with the details of microbial metabolism processes such as growth, nutrition, energy generation, bio-molecules and their synthesis, as well as microbial genetics and reproduction. Unit IV emphasizes the relationship between microbes and environment. Unit V provides comprehensive information regarding the pathogenic microbes, host parasite interaction and microbial diseases.

The book will be of immense use to the undergraduate and postgraduate students of Microbiology, Biotechnology and Allied Sciences such as Environmental Sciences, Dairy and Food Technology.

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Manual of Microbiology

Tools & Techniques
2/Ed.

Dr. Kanika Sharma

Contents: Foreword, Preface, Acknowledgements 1. Introduction To Microbiology 2. Tools Of Microbiology 3. Techniques Of Microbiology 4. Culture Of Microorganisms 5. Isolation, Purification And Identification Of Bacteria 6. Maintenance And Storage Of Bacterial Strains 7. Laboratory Exercises To Study Bacteria 8. Study Of Bacterial Growth 9. Study Of Effect Of Environmental On Bacterial Growth 10. Study Of Control Of Microbial Growth By Antimicrobial Agents 11. Study Of Bacterial Genetics 12. Water Microbiology 13. Soil Microbiology 14. Food Microbiology 15. Milk Microbiology 16. Study Of Viruses 17. Study Of Fungi 18. Study Of Cyanobacteria 19. Study Of Bacterial Diseases In Plants 20. Study Of Medical Microbiology And Immunology 21. Good Laboratory Practices, Annexure, Index.

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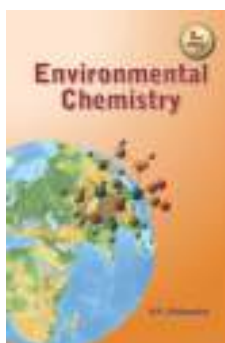


An Introduction to Bioinformatics Algorithms

Neil C Jones
Pavel A Pevzner

Contents: 1. Introduction 2 Algorithms and Complexity 3 Molecular Biology Primer 4 Exhaustive Search 5 Greedy Algorithms 6 Dynamic Programming Algorithms 7 Divide-and-Conquer Algorithms 8 Graph Algorithms 9 Combinatorial Pattern Matching 10 Clustering and Trees 11 Hidden Markov Models 12 Randomized Algorithms Using Bioinformatics Tool Bibliography, Index.

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Environmental Chemistry

2/Ed

V.K. Ahluwalia

Contents: 1. Environment 2. Hydrosphere 3. Soils 4. Atmosphere 5. Industrial Pollution 6. Noise Pollution 7. Environmental Toxicology 8. Environmental Pollution and Health 9. Energy and Environment 10. Experiments in Environmental Chemistry

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Manual of Environmental Analysis

N.C. Aery

Contents: 1. Physical and Chemical Examination of Water and Waste Water 2. Biological Examination of Waste Water 3. Microbiological Examination of Water 4. Physico Chemical Examination of Soil 5. Microbiological Examination of Soil 6. Environmental Radioactivity Monitoring 7. Bioassay 8. Analysis of Plant Material 9. Analysis of Air 10. Measurement of Noise 11. Effect of Pollutants on Plants 12. Biomonitoring 13. Vegetation Analysis 14. Environmental Impact Assessment (EIA) 15. Environmental Auditing 16. Statistics in Environmental Science, Bibliography, Annexures, Index

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Environment and Natural Resources

S.N. Pandey

Contents: 1. Definition, Scope, Importance and Need for Public Awareness 2. Natural Resources and Associated Problems 3. Forest Resources 4. Water Resources 5. Mineral Resources 6. Food Resources 7. Energy Resources 8. Land Resources 9. Role of an Individual in Conservation of Natural Resources 10. Equitable Use of Resources for Sustainable Life Styles

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Urban Environment and Spatial Science

Editors:

Mohd Akhter Ali
Kabir Mohan Sethy
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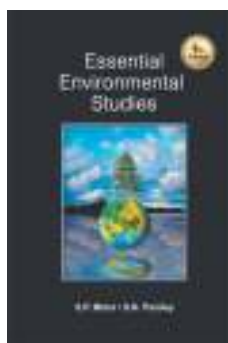
Environmental Studies

Concepts and MCQs

Ashok Kumar Awasthi

Contents: Unit-1 1. Definition, Scope and Importance 2. Need for Public Awareness Unit-2 1. Natural Resources 2. Forest Resources 3. Water Resources 4. Mineral Resources 5. Food Resources 6. Land Resource 7. Energy Resources Unit-3 1. Ecosystem Unit-4 1. Biodiversity Conservation Unit-5 1. Environmental Pollution Unit-6 1. Social Issues and the Environment Unit-7 1. Human Population and the Environment

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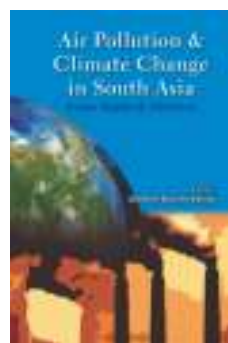
Essential Environmental Studies

4/Ed

S. P. Misra
S. N. Pandey

Contents: UNIT I Multidisciplinary Nature of Environmental Studies UNIT II Natural Resources: Renewable and Non-Renewable Resources; UNIT III Ecosystems; UNIT IV Biodiversity and its Conservation; Unit V Environmental Pollution; UNIT VI Social Issues and the Environment; UNIT VII Human Population and the Environment; UNIT VIII Field Work;

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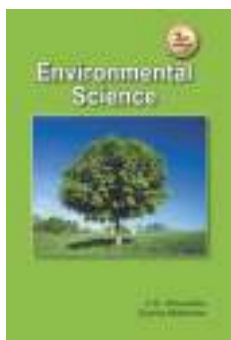
Air Pollution & Climate Change in South Asia

Issue, Impact & Initiatives

Editor:
Umesh Kulshrestha

Contents: 1. Introduction 2. Air Pollution Sources 3. Air Pollution in Megacities 4. Air Pollution from Fireworks and its Impact on Air Quality and Health 5. Indoor Air Pollution During Traditional Cooking and its Socio-Economic Impacts on Rural Population in North India 6. Atmospheric Deposition and Ecosystem Sensitivity 7. Estimation of Emission from Crop Residue Burning; Study Over North-West India During Harvesting Season 8. Impact of Air Pollution on Plants 9. Drivers of Climate Change 10. Regional Climate Resilience 11. Climate Change and Demographic Shift 12. Human Induced Calamities 13. Climate Change Mitigation 14. Climate Change: Managing Impacts Through Policies 15. Summary

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Environmental Science

2/Ed

V.K. Ahluwalia
Sunita Malhotra

Contents: 1. Energy and Environment 2. Environment 3. Atmosphere 4. Air Pollution 5. Water 6. Water Pollution 7. Marine Pollution 8. Soil 9. Soil Pollution 10. Hazardous Waste and its Management 11. Noise Pollution 12. Environment and Health 13. Climate Change 14. Biodiversity 15. Environmental Management 16. Some Case Studies 17. Towards Cleaner Future, Glossary, Index.

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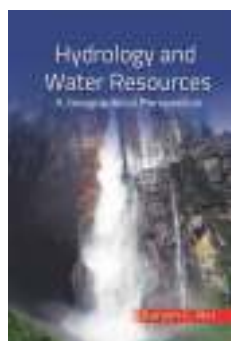
Sustainable Development

Environment, Energy and
Water Resources

M.K. Ghosh Roy

Contents: Part I: Overview of Sustainable Development, 1. Global Sustainability-An Overview 2. Multi-Sectoral Resources Review Towards Sustainability, 3. Technology Solution for Global Sustainability, 4. Economic & Governance of Sustainable Development, Part II: Challenges of Environment, 5. General Atmospheric Pollution, 6. Automobile Emissions, 7. Depletion of Ozone Layer, 8. Problem of Acid Rain, 9. Global Warming & Climatic Changes, 10. Carbon Emission Scenario, 11. Climate Change & Carbon Trading, Part III: Challenges of Energy, 12. Global Energy Challenges, 13. Nuclear Energy, 14. Biomass Energy, 15. Solar Energy-A Promising Alternative Power Source, 16. Wind Energy & Power, 17. Fuel Cells & Hydrogen Fuel Technology, 18. Hydro-Energy, 19. Other Energy Challenges, Part IV: Challenges of Water Resources, 20. Overview of Global Water Resources, 21. Challenges of India's Water Resource, 22. Indian Water Resources II, 23. Urban Water Supply-A Dual Water System. References. Index.

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Hydrology and Water Resources

A Geographical Perspective

Suresh C. Rai

Contents: INTRODUCTION, Part-1: Hydrologic Cycle and Water Balance 1. Hydrologic Cycle 2. Water Balance Part-2: River Basin and Problem of Regional Hydrology 3. River Basins 4. Floods 5. Drought Part-3: Groundwater Assessment and Development 6. Groundwater Part-4: Water Resource Problem 7. Water Demand and Supply 8. Water Pollution 9. Interstate Water Disputes 10. Water Rights and Water Markets 11. Governance and Finance Part-5: Water Resource Management 12. Watershed Management 13. Water Policy, References, Appendix.

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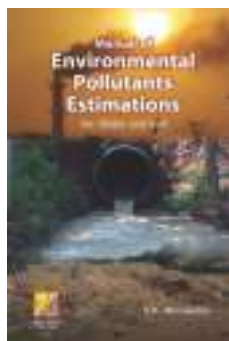


Encyclopedia of Environment

V.K. Ahluwalia

About the Book: The main thrust of this Encyclopedia is on the understanding of environmental processes and pollution. It includes pollution of all environmental segments (atmosphere, hydrosphere and lithosphere) and the effects of various pollutants on human health. In addition to marine pollution, noise pollution, radioactive pollution, vehicular pollution, industrial pollution, thermal pollution, the effects of various pollutants on human health are included. Other topics covered are toxicology, toxic metals environmental carcinogens, natural resources, ecosystems, biodiversity, urbanization, ecological succession, wetlands, global warming, greenhouse effect, ozone hole, acid rain, environmental degradation, environmental episodes, nuclear episodes, natural disasters, environmental movements, environment and energy, environmental biotechnology, organic farming, biofertilizers, biopesticides, environmental laws, international agreements and green chemistry, which is useful for checking industrial pollution. Twelve appendices dealing with various standards are also given.

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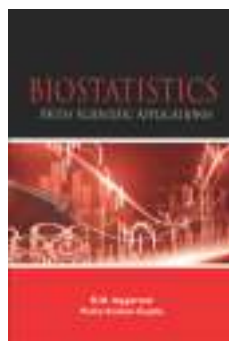
Manual of Environmental Pollutants Estimations

Air, Water and Soil

V.K. Ahluwalia

Contents: 1. Air Analysis 2. Water Analysis 3. Soil Analysis, Appendices

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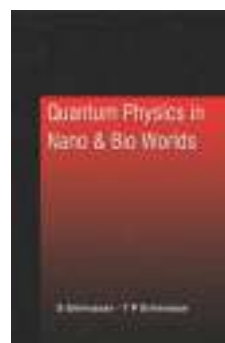
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(With Scientific Applications)

B.M. Aggarwal
Pulin Kumar Gupta

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Quantum Physics in Nano and Bio Worlds

S. Srinivasan
T.P. Srinivasan

Contents: 1 Evolution of Quantum Physics 2 Development of Solid State Electronics 3 Physics of the Nano State 4 Nano Applications and Devices 5 A Brief Introduction to Biological Molecules 6 Quantum Physics in Biology, Appendix, Name Index, Subject Index

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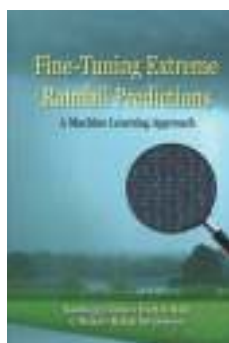
Geo-Environment and Sustainable Development

(Some Case Studies)

B.L. Kaul

Contents: Preface, Acknowledgements, Introduction, Section I : Geoenvironment and Sustainable Development 1. Delhi Region 2. Temporal Migration of Yamuna and Seisotectonics 3. Resources (Non-renewable) 4. Existing Landuse and Development 5. Land Use Mismatch and Problems 6. Geoenvironment in Solution to Present Day Problems 7. Ghaziabad-Noida Area 8. Resource 9. Geoenvironment in Solution to Development and Urbanisation 10. Hazards 11. Socio-economic Development and Green House Impact 12. Bulandshahar-Khurja Area 13. Geoenvironmental Evaluation 14. Geoenvironmental Hazards 15. Land Suitability/Capability 16. Meerut Area 17. Geoenvironment and Development 18. Hazards and Possible Mitigation 19. Geoenvironment in Solution to Urbano-Industrial Problems Delhi-NCR (UP) Region-(A Summary) 20. Indira Gandhi Canal Area, Hanumangarh District, Rajasthan 21. Resources 22. Geoenvironmental Evaluation and Hazards Section II: Geoenvironment and Tourism Parts of Baramula District (J & K) 23. Gulmarg Tourist Area, Baramula District (Kashmir) 24. Wular Lake Area Baramula District, Kashmir Section III: Geoenvironment and River Ecology 25. pH Sensitive Lithologies and River Ecology; Parts of Baramula District (J&K) Case Studies, References

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Fine-Tuning Extreme Rainfall Predictions

A Machine Learning Approach

Sandeep Chinta
Harish Baki
C. Balaji
Balaji Srinivasan

Contents: 1 Introduction: Extreme Rainfall Events in India 2 Review of Literature: Prediction of Extreme Rainfall Events in India 3 A Brief Overview of the Weather Research and Forecasting (WRF) Model 4 An Overview of Events Simulated, Methodology, and Evaluation Metrics 5 Identification of Sensitive Model Parameters for Heavy Rainfall Events During Indian Monsoon 6 Calibration of Sensitive Model Parameters for Heavy Rainfall Events During Indian Monsoon 7 Impact of Data Assimilation on Parameter-Calibrated Model for Heavy Rainfall Events During Indian Monsoon 8 Identification of Sensitive Parameters for Tropical Cyclones 9 Calibration of the Sensitive Parameters for Tropical Cyclones 10 Impact of Data Assimilation on a Parameter-Calibrated Model for Tropical Cyclones 11 Conclusions and Scope for Future Work, Appendices, Index

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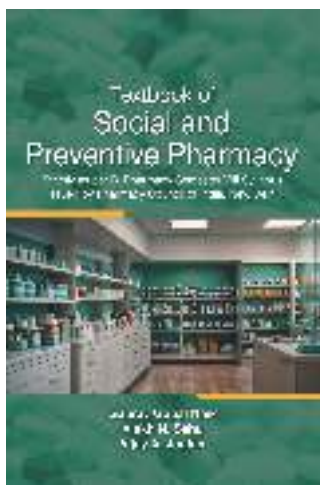


Geo-Environment of Gujarat

Bushan Kaul

Contents: Preface, Part—I, 1. Introduction 2. Natural Resources 3. Groundwater 4. Mining & Other Pollutions 5. Earthquakes & Neotectonics 6. Dinosaurs Part—II: District Appraisal 7. Mehsana District 8. Ahmedabad District 9. Jamnagar District Part—III: Site Specific/Problem Specific 10. Lignite Mining in Rajpardi-Nani Naroli Mines in Bharuch & Surat Districts 11. Lignite-Mining in Panandro-Matanomad area Kachchh District 12. Natural Hazard — Bhuj Earthquake, References, International Stratigraphic Chart, Geo Environment Scheme, EIA Scheme.

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Textbook of Social and Preventive Pharmacy

Strictly as per B. Pharmacy Semester VIII Syllabus
issued by Pharmacy Council of India, New Delhi

Gaurav Gopal Naik
Alakh N. Sahu
Vijay A. Jagtap

About the Book

"Textbook of Social and Preventive Pharmacy" aims to provide a comprehensive understanding of key health issues and challenges faced globally and within national contexts. Crucially, the textbook explores the evolving roles and responsibilities of pharmacists within these frameworks, emphasizing their contributions to public health through education, advocacy, and community engagement. This book delves into various national health programs and initiatives aimed at tackling these issues, offering students insights into their design, implementation, and impact. Through case studies, practical examples, and discussions on ethical considerations, this textbook equips students with the knowledge and skills necessary to navigate and contribute effectively to social and preventive pharmacy practices upon graduation.

Contents

1. Health Education, Disease and Sociology
2. Preventive Medicine
3. National Health Programs, its Objectives, Functioning and Outcome
4. National Health Programme
5. Community Services
6. Additional Reading

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Physical Pharmacy

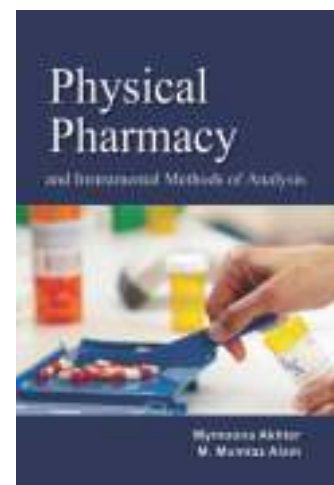
and Instrumental Methods of Analysis

Mymoona Akhter
M. Mumtax Alam

Contents

1. Introduction and Physical Properties of Drug Molecules
2. Solution
3. Colligative Properties
4. The Distribution Law
5. Ionization and Ionic Equilibria
6. Chemical Kinetics
7. Catalysis
8. Electrochemistry
9. Potentiometry
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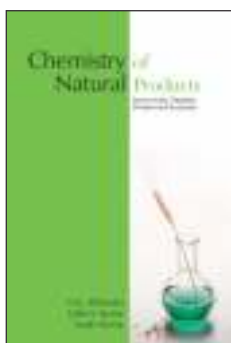
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Chemistry of Natural Products

Amino Acids, Peptides,
Proteins and Enzymes

V K Ahluwalia
Lalita S Kumar
Sanjiv Kumar

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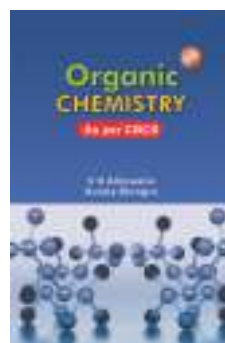


Strategies for Green Organic Synthesis

V.K. Ahluwalia

Contents: 1. Introduction 2. Carbon–Carbon Bond Formation 3. Carbon–Oxygen and C=O Bond Formation 4. Carbon–Nitrogen (Single, Double and Triple) Bond, Carbon–Halogen, Carbon–Sulphur, Nitrogen–Nitrogen Double Bond and Nitrogen–Oxygen Bond Formation 5. Interconversion of Functional Groups 6. Protecting Groups 7. Enantioselective Synthesis 8. Retrosynthesis, Index

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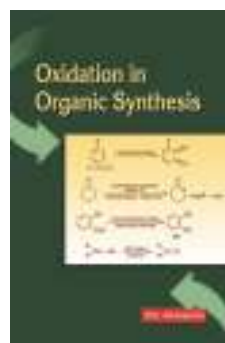
Organic Chemistry

As per CBCS
Vol 1

V.K. Ahluwalia
Sunita Dhingra

About the Book: This book is designed to meet the requirements of undergraduate course (B.Sc.) of all the universities and colleges in India as per the current CBCS syllabus. The entire syllabus will be covered in five volumes.

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Oxidation in Organic Synthesis

V.K. Ahluwalia

Contents: 1. Oxidising Agents 2. Oxidation of Specific Types of Organic Compounds 3. Enzymatic or Microbial Oxidations 4. Some Oxidation Under Benign Conditions

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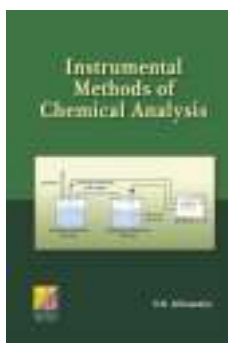


Stereochemistry of Organic Compounds

V.K. Ahluwalia

Contents: 1. Introduction 2. Stereochemistry of Organic Compounds Containing Carbon–Carbon Single Bonds (Hydrocarbons) 3. Stereochemistry of Organic Alicyclic Compounds Containing Carbon–Carbon Double Bonds (Alkenes and Cycloalkenes) 4. Stereochemistry of Organic Compounds containing Asymmetric Carbon 5. Symmetry Elements 6. Stereochemistry of Optically Active Compounds having no Asymmetric Carbon Atoms 7. Stereochemistry of Trivalent Carbon 8. Stereochemistry of Fused, Bridged and Caged Rings and Related Compounds 9. Optical Rotatory Dispersion and Circular Dichroism 10. Stereochemistry of Addition Reactions 11. Stereochemistry of Elimination Reactions 12. Stereochemistry of Substitution Reactions 13. Stereochemistry of Rearrangement Reactions 14. Stereochemistry of Pericyclic Reactions 15. Stereochemistry of Some Compound Containing Heteroatoms 16. Stereochemistry of Some Heterocyclic Compounds 17. Stereochemistry of Some Biomolecules 18. Stereoselective Synthesis 19. Enantioselective– Stereoselective Organic Reactions

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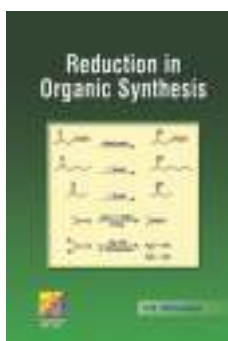


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V. K. Ahluwalia

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V.K. Ahluwalia

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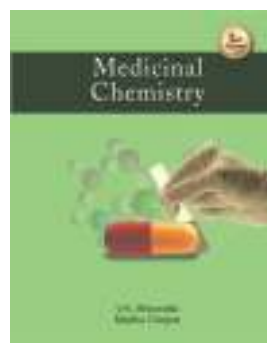


Green Chemistry Environmentally Benign Reactions

V.K. Ahluwalia

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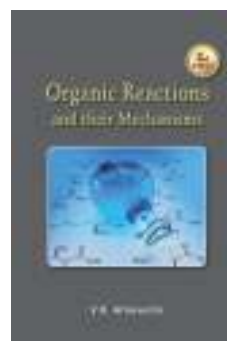
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2/Ed.

V. K. Ahluwalia
Madhu Chopra

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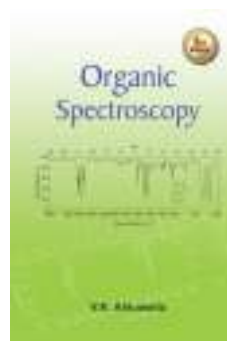
Organic Reactions and their Mechanisms

2/Ed

V.K. Ahluwalia

Contents: Introduction, Fundamental concepts, Equations involved in organic reaction, Chemical Bonds, Representation of a Chemical Reaction, Mechanism of Organic Reactions, Types of Reagents Used in a Chemical Reaction, Type of reactions involved in a chemical reaction, Multiple Choice Questions, Fill in the Blanks Questions, Short Answer Questions

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Organic Spectroscopy

2/Ed

V.K. Ahluwalia

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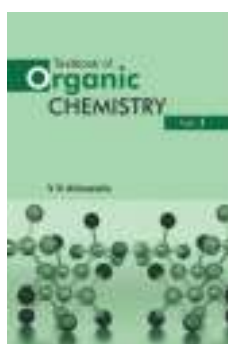
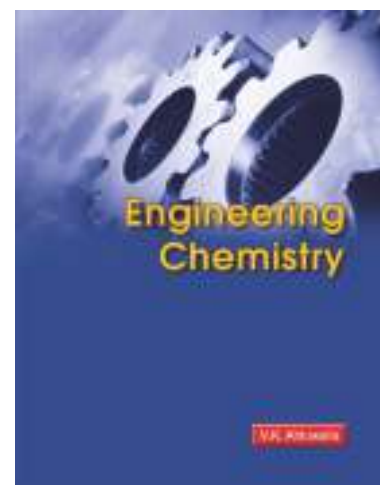
Engineering Chemistry

V.K. Ahluwalia

Contents

1. Chemical Bonding and States of Matter 2. Reaction Kinetics 3. Phase Rule and Electrochemistry 4. Structural and Mechanistic Concepts of Organics 5. Polymer and Organometallics 6. Analytical Methods and Fuels

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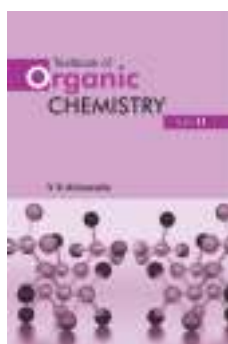


Textbook of Organic Chemistry Vol. I

V.K. Ahluwalia

About the Book: The Textbook of Organic Chemistry Volume I has been written with a aim of meeting the needs of first year students of B.Sc (Hons.) and B.Sc. (Pass) of various Indian Universities. The contents are as per recommendations of the University Grants Commission.

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Textbook of Organic Chemistry Vol. II

V.K. Ahluwalia

About the Book: The Textbook of Organic Chemistry Volume II has been written with the object of meeting the requirements of second year students of B.Sc. (Hons) and B.Sc. (Pass) of various Indian Universities. The contents are as per recommendations of the University Grants Commission. This book includes eight chapters: Electromagnetic Spectrum, Absorption Spectra (UV and IR Spectroscopy), Alcohols, Phenols, Ethers and Epoxides, Aldehydes and Ketones, Carboxylic Acids, Carboxylic Acid Derivatives and Organic Nitrogen Compounds. (Nitroalkanes, Nitroarenes, Amines, Aryl Amines, Aryl Diazonium Salts and Nitriles and Isonitriles). Special emphasis has been given to the mechanism of reactions involved in various chapters an IUPAC system of nomenclature is followed. A set of problems is given at the end of each chapter. The lucid language and well presented concepts will be of immense help to the students for a clear understanding of the subject.

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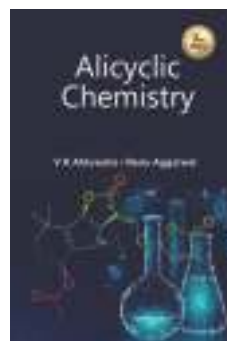


Textbook of Organic Chemistry Vol. III

V.K. Ahluwalia

About the Book: The Textbook of Organic Chemistry Volume III has been written with the object of meeting the requirements of Final Year B.Sc (Hons) and B.Sc (Pass) of various Indian Universities. The contents are as per the recommendations of the University Grants Commission. The various topics included in this book are: spectroscopy (NMR); Organometallic Compounds; Organo Sulphur Compounds; Heterocyclic Compounds; Organic Synthesis via enolates; Carbohydrates; Amino Acids; Peptides; Proteins and Nucleic Acids, Fats, Oils and Detergents; Synthetic Polymers; and Synthetic Dyes. The lucid language and well presented concepts will be of immense help to the students for a clear understanding of the subject.

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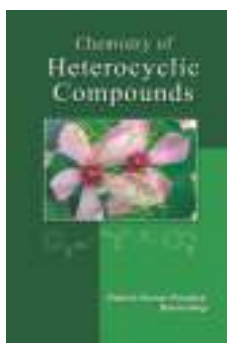


Alicyclic Chemistry 2/Ed

V.K. Ahluwalia
Renu Aggarwal

Contents: 1. Introduction 2. Nomenclature of Cycloalkanes 3. Synthesis of Cycloalkanes 4. Properties of Cycloalkanes 5. Chemistry of Smallhemistry

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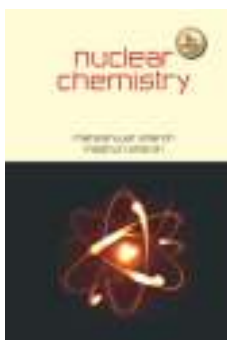


Chemistry of Heterocyclic Compounds

Rakesh Kumar Parashar
Beena Negi

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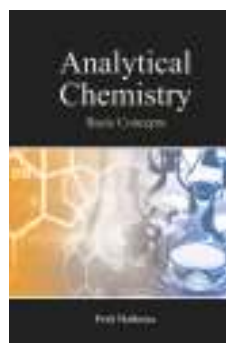
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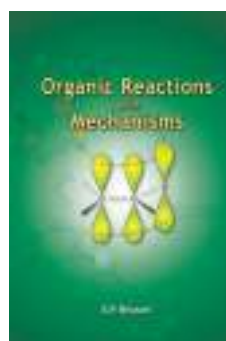


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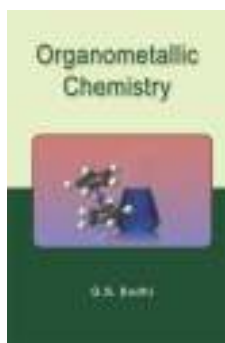


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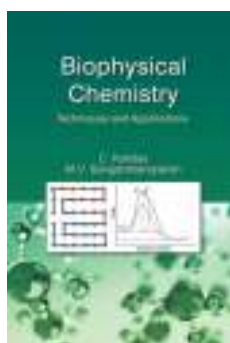


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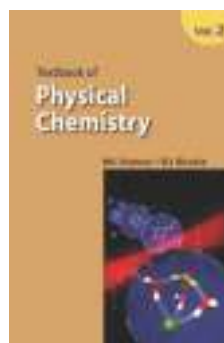


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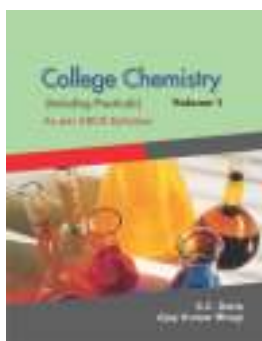
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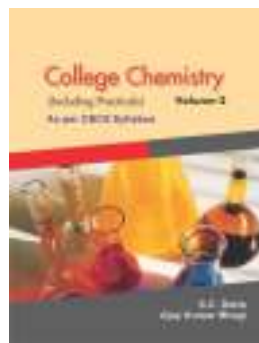
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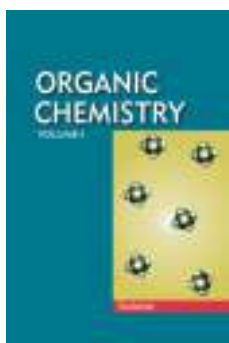
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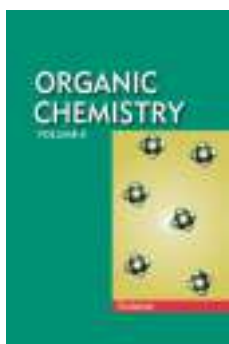


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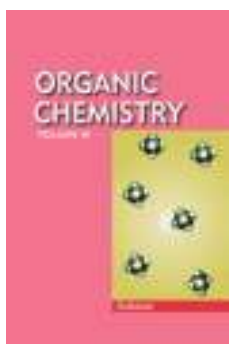


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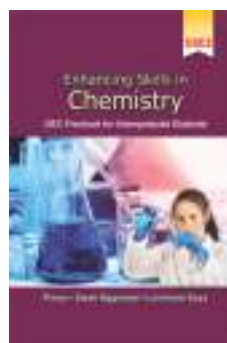


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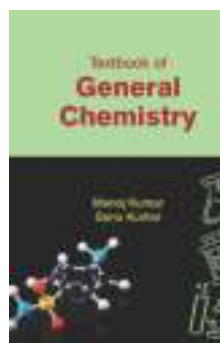


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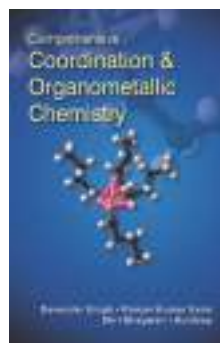


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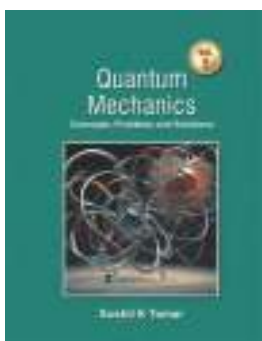
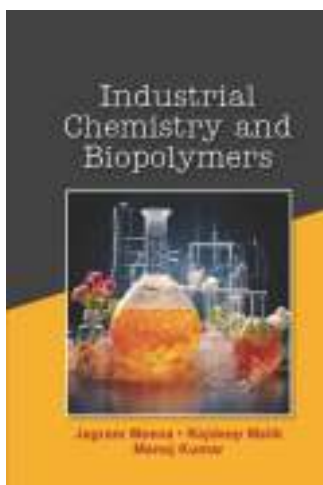
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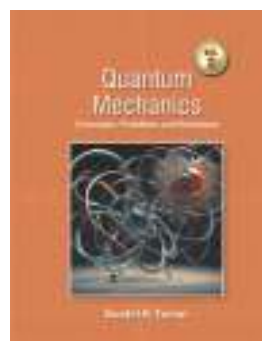


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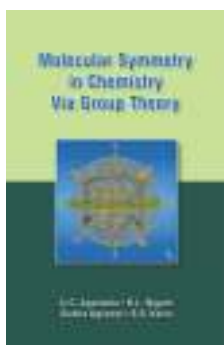


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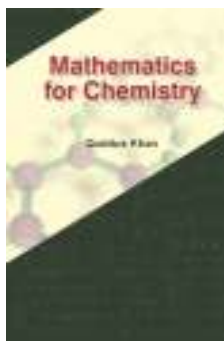


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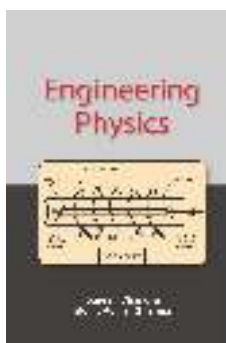
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9789384726898	Organic Reactions with Mechanisms	S.P. Bhutani	1595	2022	HB	Ane Books
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Engineering Physics

Suresh Chandra
Mohit Kumar Sharma

Contents: 1. Wave Optics 2. Electromagnetic Theory 3. Relativistic Mechanics 4. Wave Mechanics 5. Wave Motion, *Bibliography, Index*

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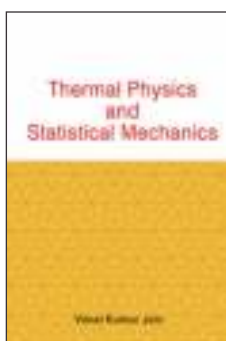
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with Applications,
Problems & Solutions

V. Balakrishnan

Contents: 1 Warming up: Functions of a real variable 2 Gaussian integrals, Stirling's formula, & some integrals 3 Some more functions 4 Generalized functions 5 Vectors and tensors 6 Vector calculus 7 A bit of fluid dynamics 8 Some more vector calculus 9 A bit of electromagnetism and special relativity 10 Linear vector spaces 11 A look at matrices 12 More about matrices 13 Infinite-dimensional vector spaces 14 Linear operators on a vector space 15 Operator algebras and identities 16 Orthogonal polynomials 17 Fourier series 18 Fourier integrals 19 Discrete probability distributions 20 Continuous probability distributions 21 Stochastic processes 22 Analytic functions of a complex variable 23 More on analytic functions 24 Linear response and analyticity 25 Analytic continuation and the gamma function 26 Multivalued functions and integral representations 27 Möbius transformations 28 Laplace transforms 29 Green function for the Laplacian operator 30 The diffusion equation 31 The wave equation 32 Integral equations

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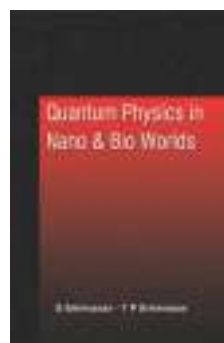


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Vimal Kumar Jain

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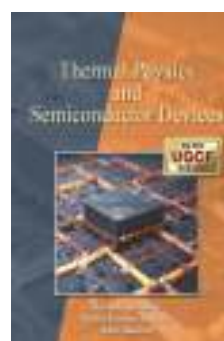


Quantum Physics in Nano and Bio Worlds

S. Srinivasan
T.P. Srinivasan

Contents: 1 Evolution of Quantum Physics 2 Development of Solid State Electronics 3 Physics of the Nano State 4 Nano Applications and Devices 5 A Brief Introduction to Biological Molecules 6 Quantum Physics in Biology, Appendix, Name Index, Subject Index

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As per UGCF NEP 2020

Suresh Chandra
Mohit Kumar Sharma
Amit Kumar

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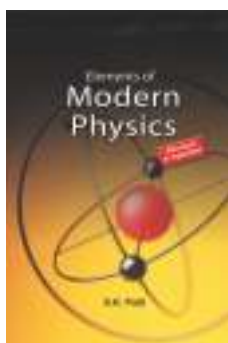


Elements of Nonequilibrium Statistical Mechanics

V. Balakrishnan

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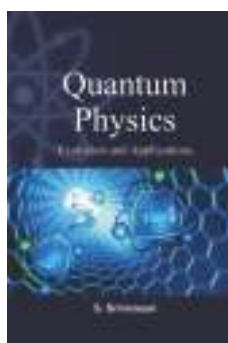
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Revised & Updated

S.H. Patil

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Harish Parthasarthy

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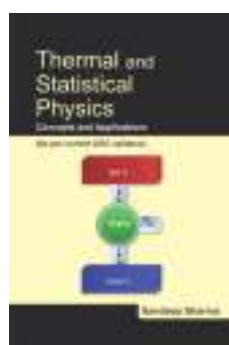


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Suresh Chandra
Mohit Kumar Sharma

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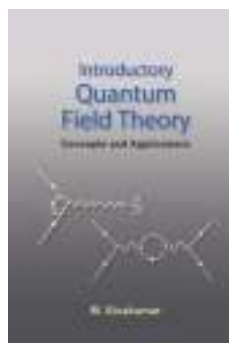
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Concepts and Applications
(As per current UGC syllabus)

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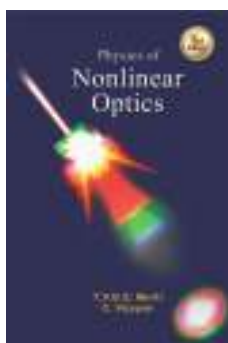
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Concepts and Applications

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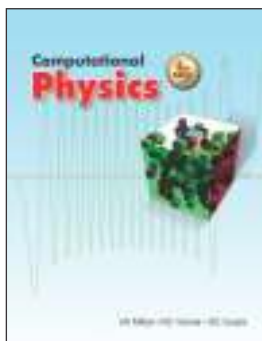
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Y.V.G.S. Murti
C. Vijayan

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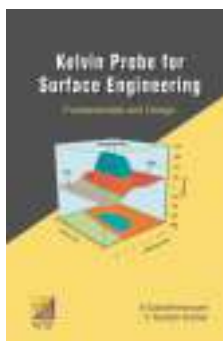
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RC Verma
SC Gupta

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Fundamentals and Design

A. Subramanyam
C. Suresh Kumar

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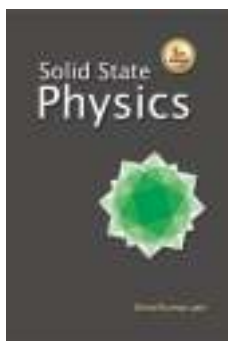
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Basic Principles & Practices
(with an Introduction to
Nano thermodynamics)

A. Subrahmanyam

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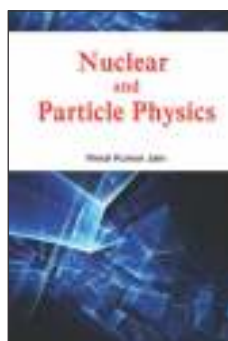


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Vimal Kumar Jain

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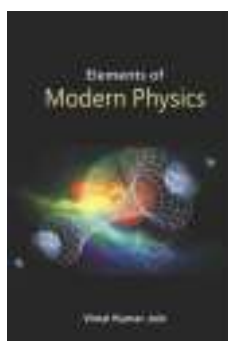


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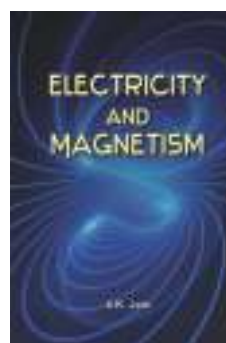


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Vimal Kumar Jain

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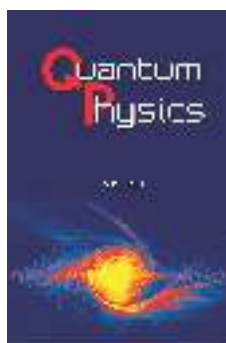


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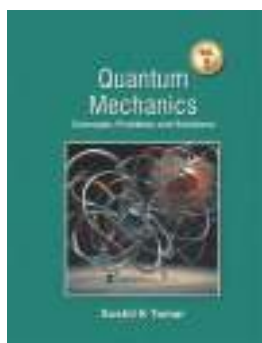


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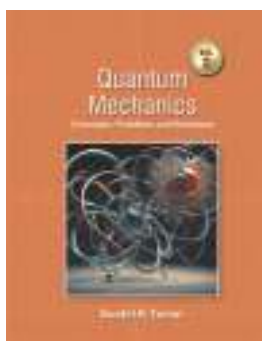
Quantum Mechanics

Concepts, Problems and Solutions
Vol. 1

Sushil K Tomar

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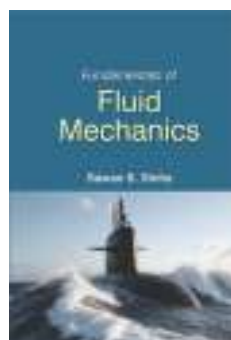


Plasma and Plasmonics

Kushal Shah

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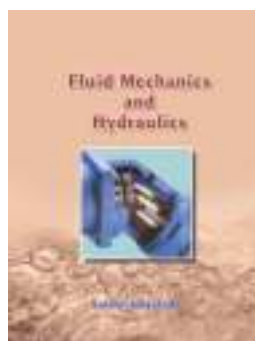


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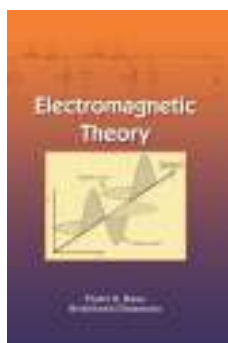


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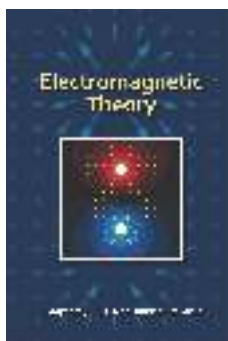


Electromagnetic Theory

Prabir K Basu
Hrishikesh Dhasmana

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C.T. Manikandan
M. Arun

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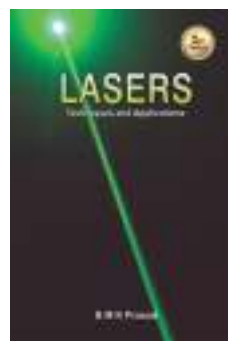
Synchrotron Radiation and Charged Particle Beams

Use in Materials Research

R. Srinivasan
C.S. Sundar
G. Umesh

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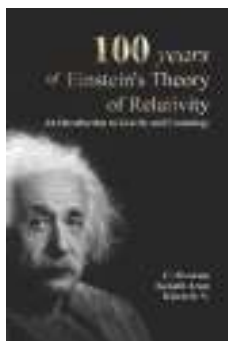
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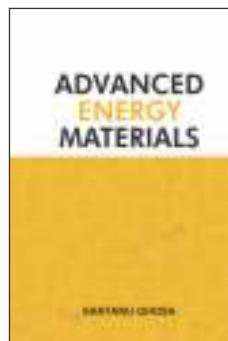
100 Years of Einstein's Theory of Relativity

An Introduction to
Gravity and Cosmology

C. Sivaram
Kenath Arun
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Santanu Ghosh

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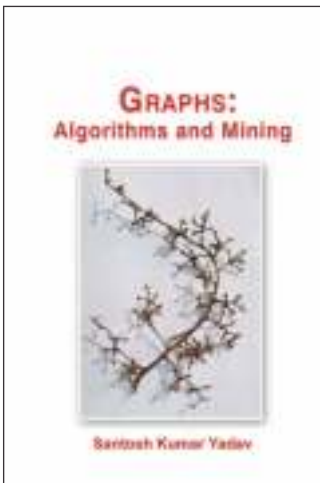
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Graphs Algorithms and Mining

Santosh Kumar Yadav



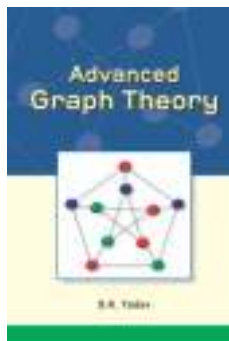
Contents:

1. Basics of Graph Theory 2. Trees 3. Network Measures 4. Graphs and Pattern 5. Graph Clustering 6. Information Diffusion in a Network 7. Graph Similarity and Alignment 8. Graph Neural Networks 9. Selected Topics in Graphs : Algorithms and Mining 10. Emerging Trends in Graph Theory

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Advanced Graph Theory

Santosh Kumar Yadav



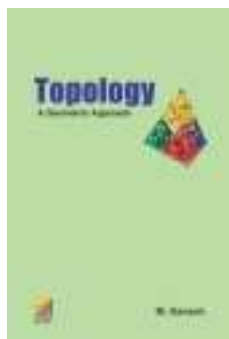
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Topology

A Geometric Approach

M. Ganesh



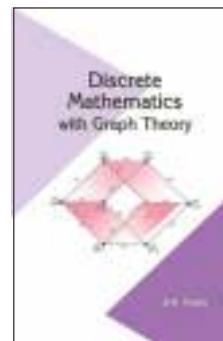
About the Book : Topology is a simultaneous generalization of two aspects: (1) the metric spaces (that includes normed linear spaces and inner product spaces and — both finite and infinite dimensional), and (2) the various geometries (Euclidean, affine, and projective). Almost all the books in the market are based on the first view point, ignoring or paying very little attention to the second view point. This book emphasizes more on the second point of view, without losing focus on the first point of view.

Moreover, the author has taken great pain in presenting the subject matter in a cogent manner and with enough clarity, so that a student can do self-study. At the same time, rigor has not been sacrificed or diluted. This book is an outgrowth of the authors many years of experience in teaching topology at the postgraduate level and, therefore, intended especially for that level. Plenty of worked out examples and problems have been included to benefit both the teachers and the students.

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Discrete Mathematics with Graph Theory

S.K. Yadav

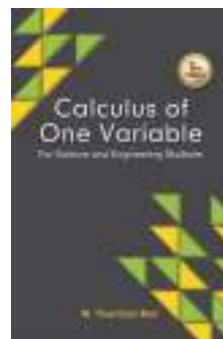


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M. Thamban Nair



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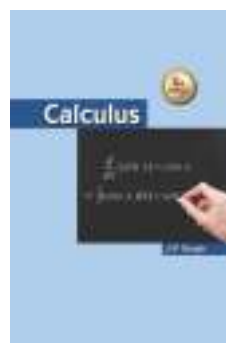


Operations Research

J.P. Singh
N.P. Singh

Contents: 1. Introduction, 2. Linear Programming: Formulation, 3. Linear Programming: The Graphical Method, 4. Linear Programming: The Simplex Method, 5. Duality and Sensitivity Analysis, 6. Transportation Problem, 7. Assignment Problem, 8. Decision Theory, 9. Game Theory, 10. Project Management: CPM and PERT, 11. Queuing Theory, 12. Replacement Models, 13. Sequencing Problem

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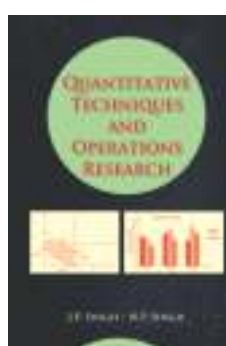


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Quantitative Techniques and Operations Research

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N.P. Singh

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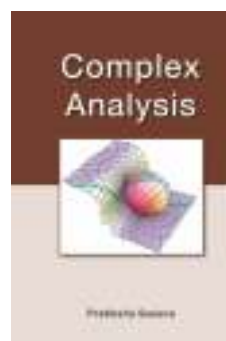


Applied Mathematics

J.P. Singh

Contents: 1. Elementary concepts 1. Probability-I 2. Probability-II 3. Random Variable and Mathematical Expectations 4. Discrete Probability Distributions 5. Normal Distribution 6. Finite difference 7. Interpolation 8. Solution of Algebraic and Transcendental equations 9. Solution of linear Simultaneous equations 10. Numerical Differentiation and Integration 11. Linear Programming: Formulation 12. Linear Programming: Graphical Method 13. The Simplex Method 14. Transportation Problem 15. Assignment Problem

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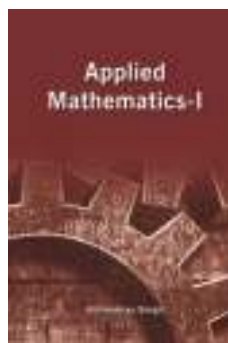


Complex Analysis

Pratiksha Saxena

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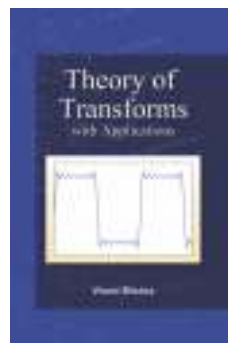


Applied Mathematics-I

Abhimanyu Singh

Contents: 1. Complex Numbers 2. Infinite Series 3. Successive Differentiation 4. Expansion of Functions and Approximate Calculations 5. Asymptotes 6. Curvature 7. Curve Tracing 8. Integration 9. Area of Plane Curves (Quadrature) 10. Rectification 11. Volume and Surface of Solids of Revolutions 12. Matrices 13. Differential Equations

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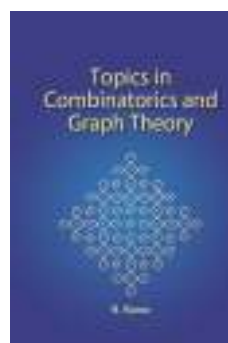


Operations Research Concepts, Problems & Solutions

Bijulal D.

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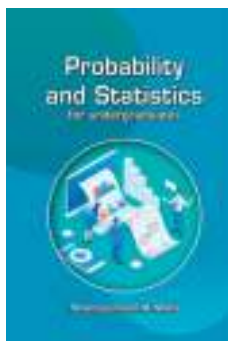


Topics in Combinatorics and Graph Theory

R. Rama

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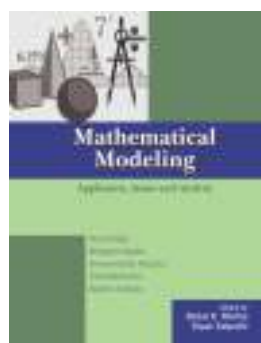


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Mathematical Modeling

Application, Issues and Analysis

Edited by
Bimal K. Mishra
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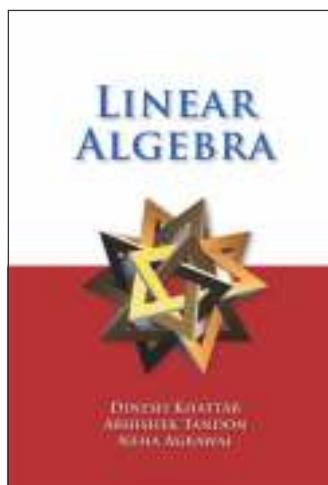
Contents: Preface, List of Contributors, Section I: Drug Design, Section II: Biological Systems, Section III: Industrial Mathematics, Section IV: Environmental Pollution, Section V: Fluid Mechanics, Section VI: Applied Analysis

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Linear Algebra

Dinesh Khattar
Abhishek Tandon
Neha Agrawal



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1. Vector Spaces 2. Basis and Dimension 3. Linear Transformations 4. Matrices of Linear Transformations 5. Dual Spaces 6. Diagonalization 7. Inner Product Spaces 8. More on Inner Product Spaces Appendix I: Echelon Form Appendix II: Applications of Diagonalization Appendix III: Least Squares Approximations Appendix IV: Minimal Solutions to System Appendix V: Rigid Motions and Conic Sections Selected Bibliography Index

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Elementary Linear Algebra

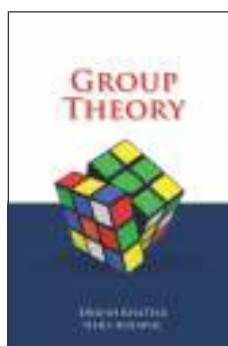
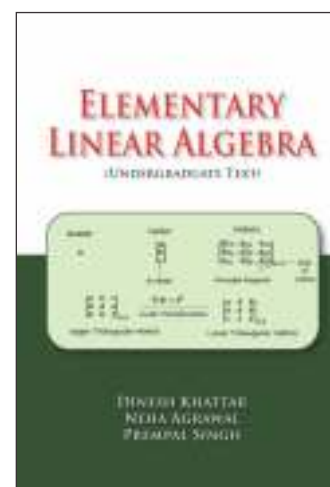
Undergraduate Text

Dinesh Khattar
Neha Agrawal
Prempal Singh

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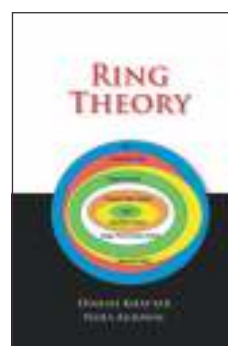


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Dinesh Khattar
Neha Agrawal

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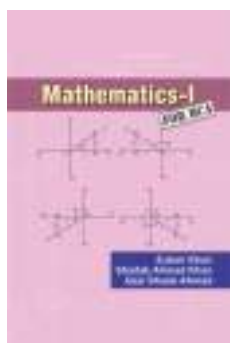


Ring Theory

Dinesh Khattar
Neha Agrawal

About the Book: This textbook has been designed for the UG/PG students of mathematics for all universities in India. It is primarily based on the classroom lectures, the authors gave at the University of Delhi. This book could be used both for self-study as well as course text. Full details of all proofs are included along with innumerable solved problems, interspersed throughout the text and at places where they naturally arise, to understand abstract notions. The proofs are precise and complete, backed up by chapter end problems, with just the right level of difficulty, without compromising the rigor of the subject.

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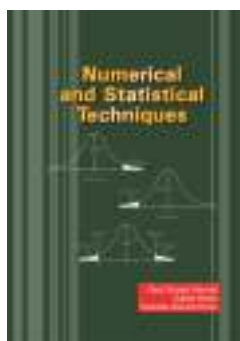


Mathematics-I For BCA

Zubair Khan
Shadab Ahmad Khan
Qazi Shoeb Ahmad

Contents: Preface 1. Trigonometry and Complex Numbers 2. Matrices and Determinant 3. Differential Calculus 4. Integral Calculus 5. Vector Calculus

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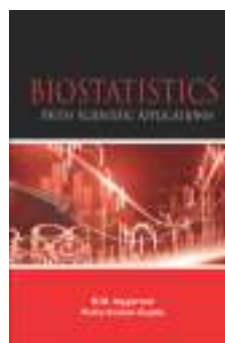


Mathematics-II For BCA

Zubair Khan
Shadab Ahmad Khan
Qazi Shoeb Ahmad

Contents: Preface, Unit-I : Partial Differentiation and its Applications, Unit-II : Ordinary Differential Equations, Unit-III : Partial Differential Equation and Geometry, Unit-IV : Probability and Distributions, Unit-V : Measures of Central Tendency.

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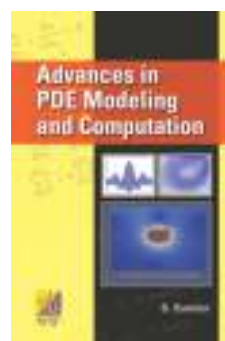


Biostatistics (With Scientific Applications)

B.M. Aggarwal
Pulin Kumar Gupta

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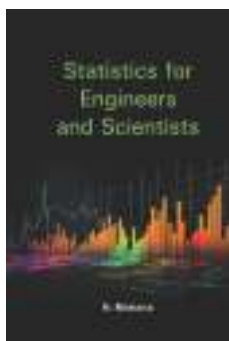


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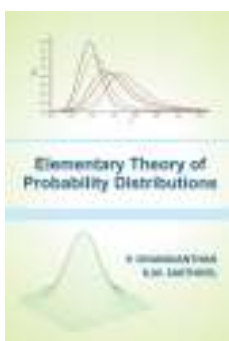


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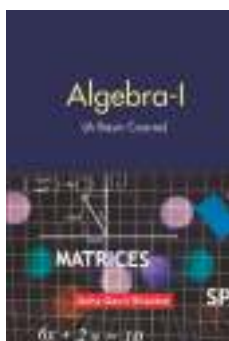


Elementary Theory of Probability Distributions

P. Dhanavanthan
K.M. Sakthivel

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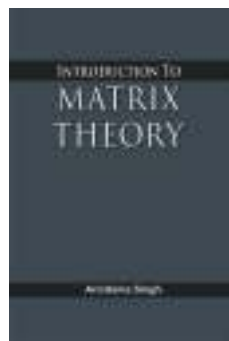


Algebra-I (A Basic Course)

Asha Gauri Shankar

About the Book: This book is designed as a textbook for the Undergraduate students. It meets the curriculum requirements of the Course I. 2 Algebra I (DC-I) of the University of Delhi. This book is useful for students of any other University also who would like to study the topics covered in this book. It focuses on the introductory aspects of the course, supporting the theory with numerous Examples and Solved Problems. The text starts with equivalence relations, and goes on to functions. It explains the Principle of Mathematical Induction and also proves the Fundamental Theorem of Arithmetic.

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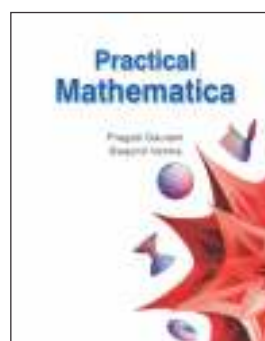


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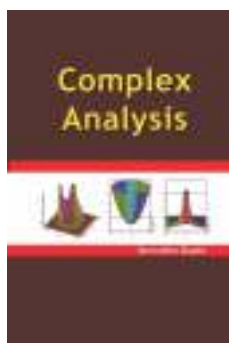
Pragati Gautam
Swapnil Verma

About the Book: This Book has been designed to work as a first introduction to Mathematica software for Undergraduate students. The topics are in accordance with the syllabus of the paper on Mathematica offered to the first and second semester Mathematics (Hons) students by the University of Delhi under CBCS system and many other universities. The authors have utilized their wide experience of teaching Mathematica Practical paper at Undergraduate level by incorporating minutest of the details which a beginner might find difficult to understand. The lucid presentation of the theory is well complemented by plenty of graphs and unsolved exercises. In presence of so many books on Mathematica around, this title, for the targeted readers, will turn out to be the best in its class.

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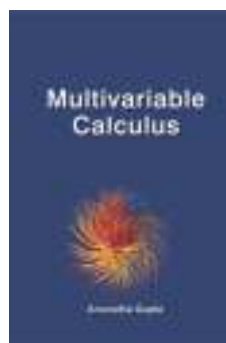


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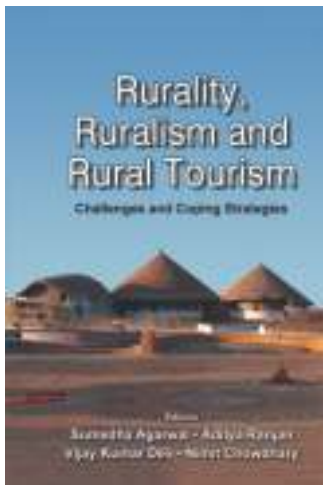


Rurality, Ruralism and Rural Tourism

Challenges and Coping Strategies

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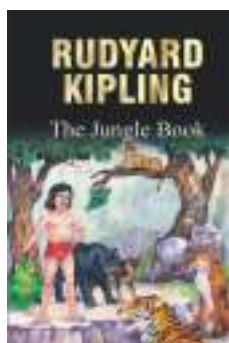
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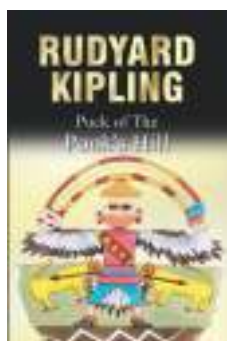
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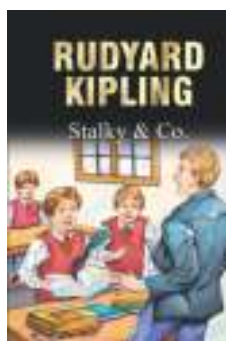
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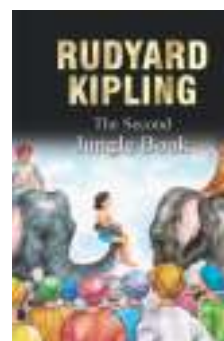
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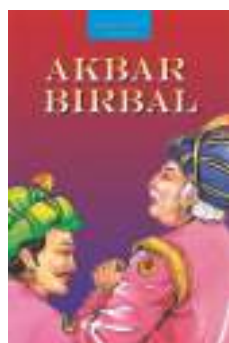
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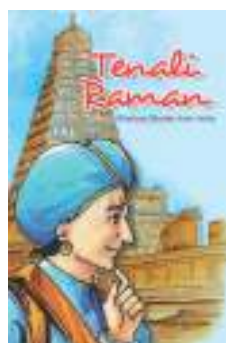
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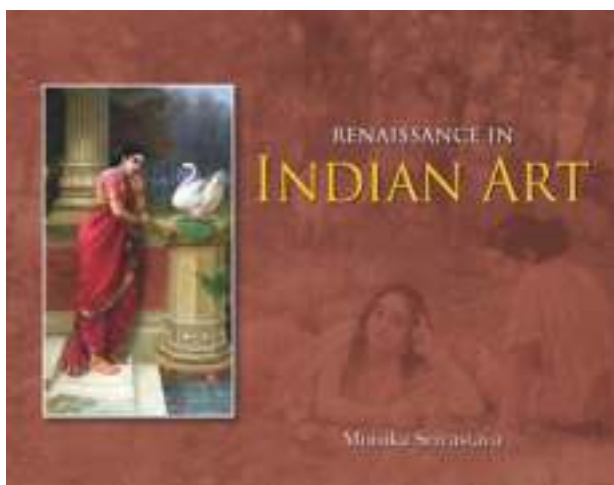


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Monika Srivastava



About the Book: Renaissance in Indian Arts elaborates the evolution of fine arts in India during the British period. This book will help the readers to understand the forced adoption of the European style in India with the advent of the British Rule and how the artists of Indian origin fought their way out of the shadow of the western methods and techniques, initially by combining with them and later by infusing spirit of Indian art in Indian paintings. This book comprises of five chapters. The first chapter covers historical perspective of art, its origin and meaning.

Chapter two explains the impact of European style on Indian art. Chapter three covers the re-establishment of Indian art through western methods and techniques. Chapter four reflects on renaissance of Indian spirit in Indian art.

Chapter five concludes the book with due emphasis on the various facets of Indian art during British period.

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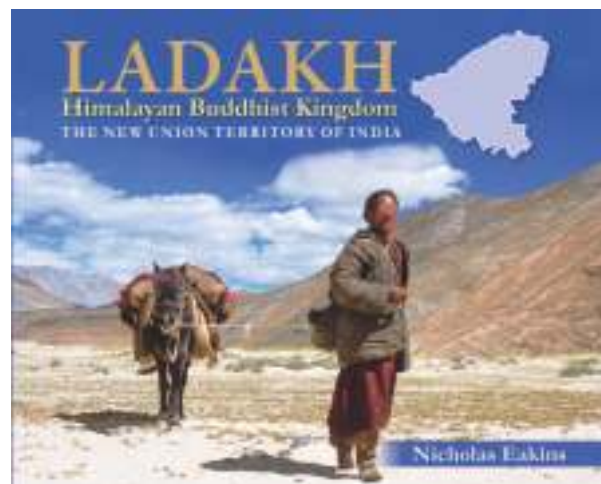
Himalayan Buddhist Kingdom
The New Union Territory of India

Nicholas Eakins

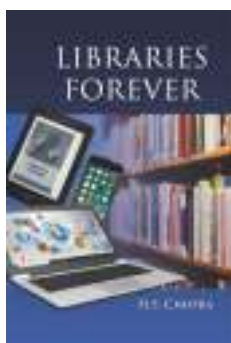
About the Book: Ladakh, declared a union territory of India on the 31 October 2023 by the Government of India, is one of the most famous places on earth for its breathtaking landscapes, the crystal clear skies, the highest mountain passes, thrilling adventure activities, Buddhist Monasteries and festivals. Earlier, it was a part of the state of Jammu and Kashmir.

The new Union Territory of Ladakh includes the districts of Leh and Kargil as well as the districts - now in Pakistan Occupied Kashmir - of Gilgit, Gilgit Wazrat and Chillas.

Nicholas Eakins, the author, has been exploring and capturing this Himalyan range, God's wonder, through his camera for the last 32 years. He has touched on the scenic beauty of the landscapes besides the colourful lives of the wonderful people of Ladakh. He recapitulates his years of experience and understanding of the entire region through his lens in this book, an exclusive collection of pleasing, spectacular and stunning photographs. For sure, this photographic journey will interest tourists, academics, researchers and scholars of geopolitics alike.



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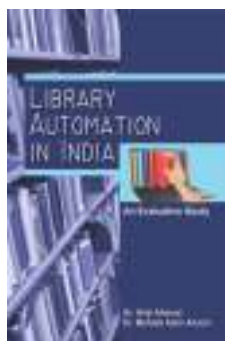
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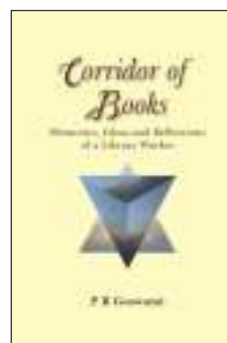
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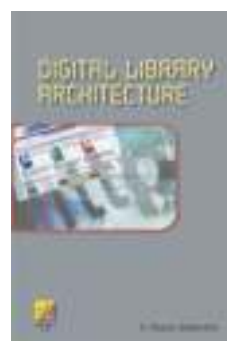
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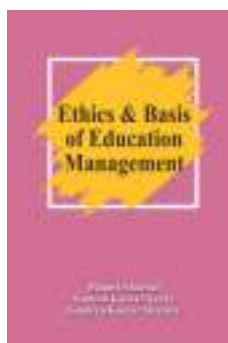


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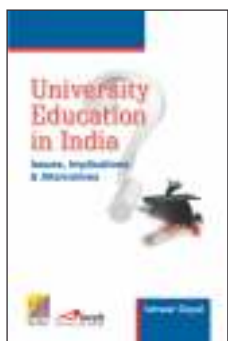
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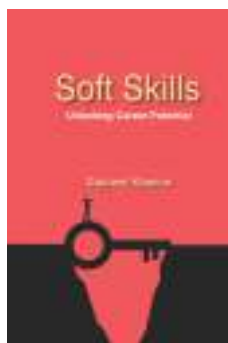
Academic Criticism

Fashion, School & Tradition

Gurudas Mukherjee
Indibar Mukherjee

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Soft Skills

Unlocking Career Potential
(Full Four Color)

Gautami Khanna

About the Book: In today's corporate world, hard skills aren't enough. Soft Skills: Unlocking Career Potential is your essential guide to mastering the soft skills that drive success. Perfect for young professionals, this book blends academic insight with practical tools to navigate the complexities of modern workplaces.

Key Takeaways:

- **Communication:** Learn to communicate clearly and persuasively, especially in cross-cultural settings.
- **Time Management:** Boost productivity with proven methods like the Eisenhower Matrix and Pomodoro Technique.
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- **Stress Management:** Develop resilience and prevent burnout with effective stress management strategies.
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Raj Orators

Speeches of Eminent
Indian During The Raj

B.G. Tandon

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Unfolding the Potentials of Women and Girls including Children

Sabka Saath Sabka Vikas Perspective

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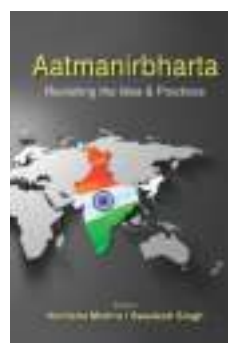
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Aatmanirbharta

Revisiting the Idea & Practices

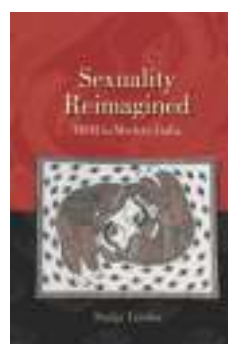
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Vandana Mishra

Swadesh Singh

About the Book: The idea of 'Aatmanirbharta' is eternal. It is about the strength of the society and eternity of the nation. Yet the practical aspect of it is not only debatable in the present inter-dependent world order but is also subject to push and pulls, pressures and challenges of resources originating from the decidedly unequal world. Herein, the need of the hour is to understand one's self—our needs, our capacity, our strengths, and also our limitations—and then move on to improve and excel with a vision of reflecting one's personality in that of society and the nation. The journey of being Aatmanirbharta is all about deciphering the heights that we can scale provided we are grounded enough. This book is an endeavour to understand the journey of idea and practices of Aatmanirbharta.

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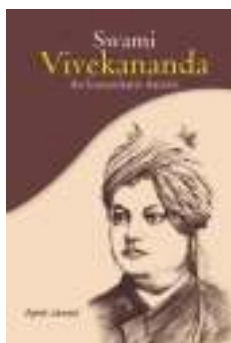
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Shailja Tandon

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Vivekananda**
An Iconoclastic Ascetic

Ajeet Jawed

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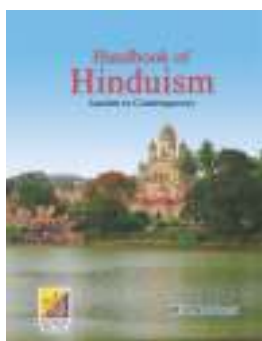


**Quality Control
Techniques in Social
and Behavioural
Sciences**

N. Ravindranathan

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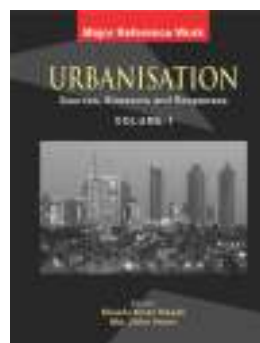


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M V Nadkarni

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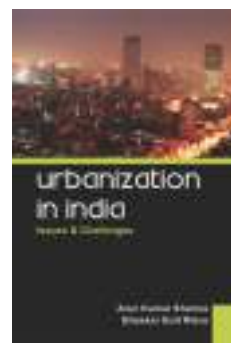


Urbanisation
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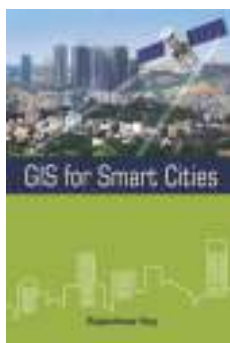


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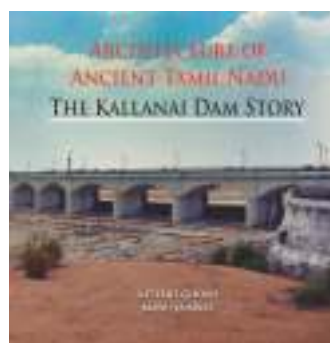
Deva Bhumi

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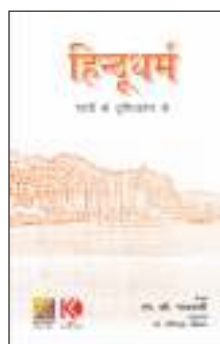


Architecture of Ancient Tamil Nadu The Kallanai Dam Story

Satyajit Ghosh
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हिन्दूधर्म

गांधी के दृष्टिकोण से

एम.व्ही. नाडकर्णी

ग्रंथ के संबंध में: इस ग्रंथ का तात्पर्य, हिन्दूधर्म के संबंध में अत्यंत सक्रीय और ऐतिहासिक प्रक्रिया को सार्थक ढंग से विश्लेषित करना है, साथ ही हिन्दूधर्म के प्रति गलतफहमियों को हटाना और उस पर समय-समय पर हुए पुनर्खोज के संपूर्ण प्रक्रिया को पकड़ना भी है। इस पुस्तक को हिन्दूधर्म में निहित अन्य धर्म के प्रति सहजीवनत्व के अंश एवं आदरभाव को पहचानते हुए, गांधी के दृष्टिकोण से प्रस्तुत किया गया है। गांधी का हिन्दूधर्म के प्रति दृष्टिकोण इस विश्वसनीय कथन पर जोर देता है कि हिन्दूधर्म अत्यधिक उदार, अनेकत्वता और सामाजिक संवेदनात्मकता से युक्त धर्म है। यह ग्रंथ अनेक प्रचलित अंधमान्यताओं को नकारता है, जैसे—जाति पंथि हिन्दूधर्म का अंतर्भूत तत्व है, हिन्दूधर्म अभौतिक है और आर्थिक प्रगति के प्रति व्यतिरिक्त है, उसका समीकृत रूप आनुवंशिकता के प्रति प्रतिबुद्ध है, वह वैयक्तिकता के विरोध में है, अताकिक है, वह नैतिकता से असंपृक्त है आदि आदि। प्रस्तुत ग्रंथ हिन्दूधर्म में निहित उसकी सक्रियात्मकता और अपनी परिवर्तनशीलता की प्रक्रिया को प्रस्तुत करता है। हिन्दूधर्म की गत्यात्मकता, तीन चरणों में प्रस्तुत है—शास्त्रीय, भक्ति आंदोलन एवं आधुनिक। यह ग्रंथ आर्थिक एवं सामाजिक विकास के प्रति हिन्दुओं के दृष्टिकोण का परिशोधन करता है, परिणाम में उसे अधिक मानवीय एवं परिसर सम्भरणीय पाता है।

भारतीय भाषायी साहित्य के साथ-साथ प्रस्तुत ग्रंथ विविध प्रकार के स्रोतों को आधार बनाया है। यह ग्रंथ उन सभी के प्रति संबोधित है जो हिन्दूधर्म में अभिरुचि रखते हैं, साथ ही जो धर्म एवं समाज विज्ञान के विद्वान हैं।

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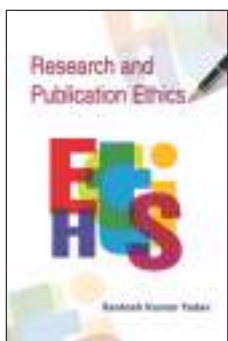


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As per the UGC syllabus for Ph.D. Students

Dilip Datta

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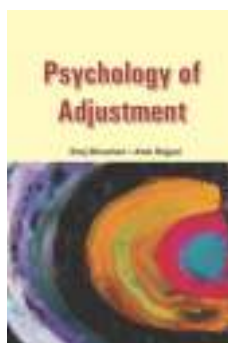
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A Practical Guide

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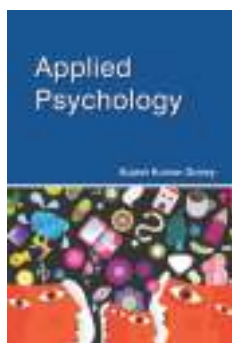


Industrial Psychology

Md. Firoz Akhtar

Contents: 1. Working Environment and Its Impact on Performance 2. Counterproductive Work Behaviour: Causes and Prevention 3. Strategic Management for Competitive Advantage 4. New Developments in Industrial Leadership 5. The Effects of Transformational and Change Leadership on Employees 6. Organizational Change and Development 7. Managing Change in Organizations and Working Culture 8. Job Satisfaction: Work Attitudes and Job Motivation 9. Performance Appraisal: Meaning, Objectives, Methods and Process 10. The Important of Job Evaluation to Organizational Success

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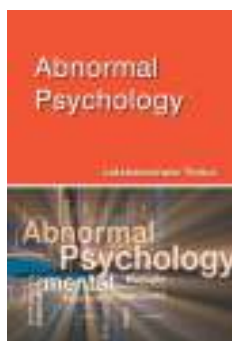


Applied Psychology

Sujeet Kumar Dubey

Contents: 1. Introduction to Applied Psychology 2. Frontiers: From Data to Truth in Psychological Science 3. Counseling, Psychological, and Social Work Services 4. Educational Psychology: Applications for Learning and Teaching 5. The Place of Psychology in the System of Sciences 6. Human Factors and Ergonomics 7. The Role of Forensic Psychology in Criminal Justice 8. Criminal Profiling and Psychoanalysis of Violent Crime 9. Multiple Personality Disorder and Criminal Responsibility 10. Critical Thinking in Psychology

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Abnormal Psychology

Lakshmeshwar Thakur

Contents: 1. Introduction of Abnormal Psychology 2. Intellectual disability and Disorders 3. Emotions, Personality and Psychopathology 4. Mental Illness and Abnormal Behaviour 5. Diagnostic and Management Guidelines for Mental Disorders in Primary Care 6. Care and Treatment of Abnormal behavior and Mental Illness 7. Education of Children with Special Needs 8. The Challenge of Children with Special Needs 9. Genes, Environment, and Criminal Behavior 10. The Effects of Gender, Sexuality and Socialization on Abnormal Behavior 11. Effects of Mental Health on Individuals and Populations 12. Abnormal Psychology in Context: Voices and Perspectives

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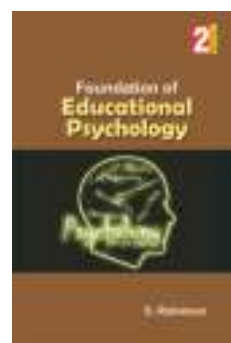


Behavioural Psychology

Shashi Kala Singh

Contents: 1. Introduction of Behavioural Psychology 2. Behavioural Approach to Learning 3. Sensation, Perception, and Attention 4. Human Motivation and Behaviour 5. Psychology of Selling, Marketing and Advertising 6. Behavioral Disorder Symptoms 7. Intellectual Disability (Mental Retardation) 8. Social Influences Affecting Mental Health 9. Psychology and Education of Children with Special Needs 10. Personality Integration 11. Behavioral Assessment 12. Behavior in the 21st Century 13. Psychological Treatment Services and Psychotherapy 14. Crime and Criminal Behaviour

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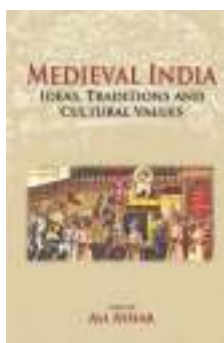
Foundation of Educational Psychology

2/Ed.

S. Robinson

Contents: Foreword, Preface 1. Educational Psychology—Meaning, Nature and Scope 2. Growth and Development 3. Social, Emotional and Moral Development 4. Nature and Importance of Learning 5. Motivation 6. Techniques of Teaching 7. Nature of Intelligence and Creativity 8. Dimensions of Personality 9. Mental Health and Mental Hygiene

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Medieval India

Ideas, Traditions and Cultural Values

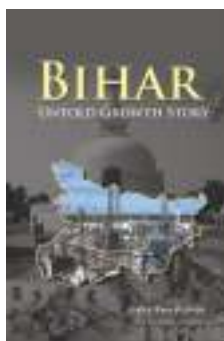
Editor:
Ali Athar

About the Book: This book contains twenty three well researched and documented articles by scholars of repute of their respective field of specialization. Traditions and culture of Medieval Kashmir, Kumaon, Deccan and Awadh have been reassessed through new sources of information and fresh interpretations have been put forward for the academics to analyze.

India's cultural interaction with Central Asia and Europeans provides a new perspective for the researchers-Of Medieval India. Similarly, emergence of various-cultural and trade centres of Medieval India and its impact on the society has been meticulously studied and penned by the contributors of this book. The book includes traditional warfare, building technology, religious customs and practices, state formation in Rajputana and articles based on vernacular literature-.

This work will surely attract the attention of scholars interested in a new theme of ideas, tradition and cultural values of Medieval India.

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Bihar

Untold Growth Story

Indra Sen Kumar

About the Book: The present book titled Bihar: Untold Growth Story is, in a sense, a treatise on socio-economy of Bihar highlighting the states glorious, remote and immediate past with the present terrible economic position indicating things to come in the state suggesting several measures towards realizing the goal of economic and social accomplishment. The book has taken care of the latest issues tormenting the state authorities and the economist pertaining to rural and urban poverty, migration of Bihari labour force, corruption and criminalisation proving to be a stumbling block in development as also the debated aspect of improving the states financial position by way of special package or special status. The book though highlights achievements of the state, brings out the myths of these, laying down that the development process is characterized by truths and half truth very boldly observing and finally suggesting that accomplishment is not the same thing as achievements, nor is the fact that what is apparent is real.

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Geo-Environment of Gujarat

Bushan Kaul

Contents: Preface, Part—I, 1. Introduction 2. Natural Resources 3. Groundwater 4. Mining & Other Pollutions 5. Earthquakes & Neotectonics 6. Dinosaurs Part—II: District Appraisal 7. Mehsana District 8. Ahmedabad District 9. Jamnagar District Part—III: Site Specific/Problem Specific 10. Lignite Mining in Rajpardi-Nani Naroili Mines in Bharuch & Surat Districts 11. Lignite-Mining in Panandro-Matanomad area Kachchh District 12. Natural Hazard — Bhuj Earthquake, References, International Stratigraphic Chart, Geo Environment Scheme, EIA Scheme.

9789385462450 • 162 (Hb) • 2023 • ₹ 995.00



जल, जीवन और समाज

जिब्राईल

पुस्तक के विषय में: जल व जलीय संसाधनों की उपयोगिता हेतु जनजागृति के लिए किये गये श्री अनुपम मिश्र जी के जीवन भर के प्रयासों एवं पर्यावरण के क्षेत्र में उनके उत्कृष्ट योगदान के लिए उन्हें श्रद्धाजलि अर्पित करने हेतु हिंदी भाषा में **जल, जीवन और समाज** विषय पर इस पुस्तक को संपादित करने का एक छोटा प्रयास है। जैसा विदित है कि आज पर्याप्त जल-क्षेत्रों में लोगों द्वारा अपनी दैनिक जरूरत से ज्यादा पानी का दोहन करने के कारण जल की बर्बादी हो रही है और इस अमूल्य संसाधन की कमी से लोग त्रस्त भी हैं। जल की कमी से आज भारत ही नहीं बल्कि विश्व के अधिकांश देश इस समस्या से जूझ रहे हैं।

9789388264723 • 480 (Hb) • 2023 • ₹ 1195.00



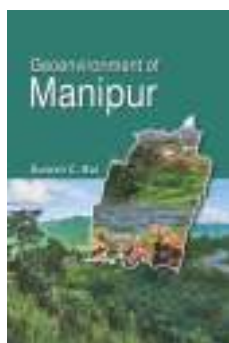
Water Management System in the Desert Region of Rajasthan

(Thirteenth - Eighteenth Centuries)

Jibraeil

Contents: Preface, Abbreviations, List of Figures, 1. Introduction, 2. Water Harvesting and Irrigation Techniques in Phalodi, 3. Technique of Irrigation and Agricultural Production in Nagaur, 4. Water Bodies and Harvesting Techniques in Bikaner, 5. Water Harvesting Techniques in Churu, Chhapar and Bidasar, 6. Water Harvesting and Irrigation Techniques in Jaisalmer, Conclusion, Appendices, Glossary, Bibliography and Index.

9789386761446 • 218 (Hb) • 2023 • ₹ 995.00



Geoenvironment of Manipur

Suresh C. Rai

About the Book: This book is an attempt to provide holistic and detailed information on Geoenvironment of Manipur, such as its natural resources, geology, biodiversity, wetlands and climate change, which are useful for students, government, policy planners and NGOs. The book covers a detailed study of the above-mentioned aspects of Manipur. It is divided into three parts, covering various aspects of the Geo-environment of the Manipur state. The first part reflects upon the background of Manipur, whereas the second part analyzes the natural resources of Manipur and third part deals with problem-specific case studies viz., climate trends, rainwater harvesting, wetland ecosystem, water supply and demands. The study emphasizes the fact that the Geoenvironmental protection and management are of being signed to a sustainable development of Manipur.

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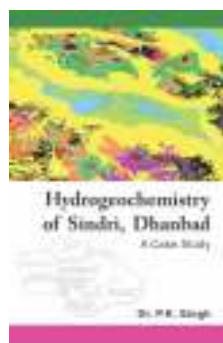


Geo-Environment and Sustainable Development (Some Case Studies)

B.L. Kaul

Contents: Preface, Acknowledgements, Introduction, Section I : Geoenvironment and Sustainable Development 1. Delhi Region 2. Temporal Migration of Yamuna and Seisotectonics 3. Resources (Non-renewable) 4. Existing Landuse and Development 5. Land Use Mismatch and Problems 6. Geoenvironment in Solution to Present Day Problems 7. Ghaziabad-Noida Area 8. Resource 9. Geoenvironment in Solution to Development and Urbanisation 10. Hazards 11. Socio-economic Development and Green House Impact 12. Bulandshahar-Khurja Area 13. Geoenvironmental Evaluation 14. Geoenvironmental Hazards 15. Land Suitability/Capability 16. Meerut Area 17. Geoenvironment and Development 18. Hazards and Possible Mitigation 19. Geoenvironment in Solution to Urbano-Industrial Problems Delhi-NCR (UP) Region-(A Summary) 20. Indira Gandhi Canal Area, Hanumangarh District, Rajasthan 21. Resources 22. Geoenvironmental Evaluation and Hazards Section II: Geoenvironment and Tourism Parts of Baramula District (J & K) 23. Gulmarg Tourist Area, Baramula District (Kashmir) 24. Wular Lake Area Baramula District, Kashmir Section III: Geoenvironment and River Ecology 25. pH Sensitive Lithologies and River Ecology; Parts of Baramula District (J&K) Case Studies, References

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Hydrogeochemistry of Sindri, Dhanbad A Case Study

Dr. P.K. Singh

Contents: 1. Introduction 2. General Features 3. Geology and Petrography 4. Methods and Techniques 5. Hydrogeology 6. Aqueous Geochemistry 7. Discussion 8. Conclusions and Recommendations, Bibliography.

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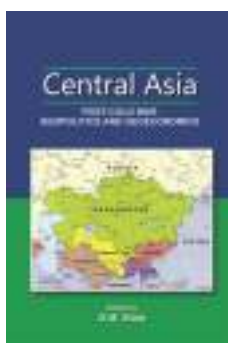


India-Russia Cultural Ties Changing Dimensions

Editor
Preeti D. Das

Contents: 1. First Images of India in Russian Mind - Prof. Elena Y. Tereshenko 2. India and Russia: Relations in the Modality of "Soft Power" - Andrei Andreev and Ivan Andreev 3. What Can India Teach Russians? - Sergei Serebriany 4. The Diminishing Return: India-Russia Relations at Crossroad - Dr. Kumar Kaustubha 5. India-Russia Cultural Ties: From Unbelievable Fantasy to Privileged Relations - Dr. Preeti D. Das 6. Prospects for the Political and Economic Partnership of the Republic of India and the Russian Federation in Modern Global Processes - Harashchenko Nataliia, Gnatiuk Nikolay, Kushnirenko Vladimir, Volskiy Alexander 7. India-Russia Political Ties in a Changing World Order - Ajaya K. Samantray 8. India-Russia Relations: Shifting from 'Strategic Partnership' to 'Special and Privileged Strategic Partnership' - Prof. Phool Badan and Dr. Vijay Pratap Gaurav 9. Economic and Socio-Political Aspects of Russia-India Relationship - Mokhov Andrey Vladimirovich and Muraveva Natalia Nikolaevna 10. Role of the Private Sector in Strengthening India-Russia Trade Relations - Manish Kumar and Pankhury Harbansh 11. India-Russia Defence Cooperation: Opportunities, Challenges and Way Forward - Col. Anajai Singh 12. India-Russia Military-Technical Cooperation: Trends and Prospects - Nikolai Baranov and Dmitry A. Nikolaev 13. The Image of India in Modern Russia: Political, Economic and Socio-Cultural Ideas - Yulia Shichanina 14. Russian Far East: The Challenges of the 21st Century - Dr. Prashant Saini, References

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Central Asia Post-Coldwar Geopolitics and Geoeconomics

Edited by
G.M. Shah

Contents: 1. Introduction 2. Geopolitics of Central Asia 3. Eurasian Economic Union: Cost and Benefit for the Central Asian States 4. Dynamics of Security in Central Asia and its Implications for the Regional Integration 5. External Powers in Central Asia 6. Geopolitical Clusters in Eurasia 7. China's Strategic Engagement with Central Asia 8. Great Game in Central Asia: An Analysis of Goals, Players and Strategies 9. New Great Game in and Uzbekistan 10. Understanding the New Great Game in Central Asia 11. Russia's Role in New Great Game in Caspian Sea Region 12. Role of United States, Russia and India in New Great Game in Central Asia 13. Central Asia in the Post-Cold War Era 14. Democratic Kazakhstan—Promoter of Peace and Security in Eurasia 15. Post-Soviet Central Asia: Role and Strategy in the Region 16. The Impact of New Great Game on Kyrgyzstan's Democratisation and Politics 17. Energy Potential of Turkmenistan: Implications for South Asia Especially India 18. India's Neighbourhood Policy: Challenges of Change 19. India's Economic Relations with Afghanistan with Special Reference to Trade and Investment 20. India and Central Asia in The Changing Dynamics of Asia 21. India's Response to New Great Game in Central Asia with Special Reference To Tajikistan 22. Good Governance, Human Rights and Globalisation 23. Post-Cold War Development Challenges of Central Asian States 24. Freedom of Press in Central Asian States: an Overview 25. Post-Soviet Kazakhstan: Politics of Identity and Inter-Ethnic Relations

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Elephant on the Silk Road Sectors of Promise for India and Central Asia

Pankaj Tripathi
Sunil Kumar

About the Book: In terms of its strategic importance, Central Asia punches much above its weight. Not only is it in India's 'extended neighbourhood', with a congruent security outlook, but given the uncertain situation in Afghanistan, strong ties with the Central Asian States (CAS) would be an asset in navigating India's interests in Afghanistan, and elsewhere. The adversarial nature of Sino-India relation coming into sharper focus in recent times gives the region an added importance. A look at the various dimensions of the relationship suggests that strengthening economic ties could be an effective way of securing India's interests in the region. The key question the book tries to address is: what are the ways in which the economic potential between India and CAS could be more fully realised? It looks at areas of convergence in economic ties through an assessment of key sectors. It also attempts to analyse the bugbear of India-CAS trading ties — connectivity. The sector wise analysis is based on inferences drawn from trade figures, developmental trends, and evolving competencies. Interactions with entities engaged in economic activities on the ground have also been a basis of assessment.

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Post-Cold War Grand Strategies in Eurasia

Edited by
G.M. Shah

Contents: 1. Introduction, G.M. Shah (I). Great Power Grand Strategies in Eurasia 2. Can Russia Become a Dominant Player in the Great Game in Central Asia? R.G. Gidadhuri 3. China's Maritime Strategy in the Indian Ocean and India's Indo-Pacific Response, Gurpreet S. Khurana 4. Waxing and Waning Interests of United States in Central Asia: Revival of Traditional Geopolitics in Central Asia, Anjali Debas Sarawat 5. Locating Tajikistan in New Great Game and its Implications for India, Lal Ji Pal 6. China's One Belt, One Road Initiative in Central Asia and its Impact on Tajik Economy, Imran 7. Land Degradation in Tajikistan: Response of International Organisations in the Post-Cold War Period, Md. Shahbaz Alam (II). Regional Power Grand Strategies in Eurasia 8. The Convergence of Iranian and Russian Geopolitical Visions in Eurasia: Opportunities and Challenges for India, Deepika Sarawat 9. Reimagining South Asia in the Post-Cold War Regional Order, Gull Mohamad Wani 10. Analysing India's Connect Central Asia Policy, Matand Jha 11. Central Asian Republics and India's Energy Interest, Yaduraj Singh Foudjar 12. India's Strategies to Gain Foothold in Central Asia, Tarique Ahmad Lone 13. Post-Cold War Engagement of Turkey with Uzbekistan, Tarique Anwar (III). Central Asian Response to Grand Strategies in Eurasia 14. Central Asia: Soviet Legacy, Changing Alignments and Emerging Scenario, N.A. Baba 15. River Water Politics in Central Asia, P.L. Dash 16. Grand Strategies in Eurasia and Multi-Vector Foreign Policy of Central Asian States with Special Reference to Kazakhstan, G.M. Shah 17. Geopolitics of Oil and Gas in Central Asia: Implications and Prospects for India, Vijay Kumar Bhatia 18. Turkmenistan and its Connectivity Initiatives: Implications for the Region, Kamala Kumari

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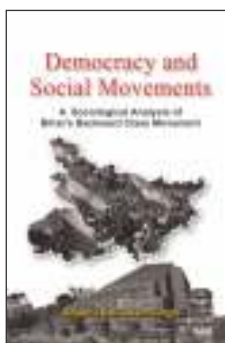


Peasant Struggles, Land Reforms and Social Change Malabar 1836-1982 2/Ed

P Radhakrishnan

Contents: 1. Introduction; 2. Land and Society in Pre-British Malabar; 3. Peasant Struggles and Land Reforms, 1836-1956; 4. Peasant Struggles and Land Reforms, 1957-70; 5. Implementation of Land Reforms, 1970-81; 6. Land Reforms and Changes in Land System, 1970-79; 7. Land Reforms and Social Change, 1970-79; 8. Conclusion; References; Index.

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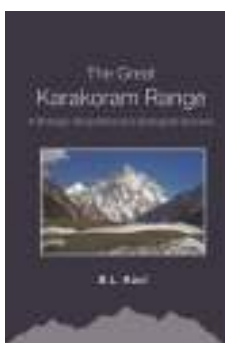
Democracy and Social Movements

A Sociological Analysis of Bihar's Backward Class Movement

Shashi Bhushan Singh

Contents: Introduction 1. Locating the Social: An Outline of Social Structure 2. The Democratic Movement: Coming of Backward Class Movement 3. How the Dominants Fought?: Caste Dynamics in Naxalite Movement 4. Between Naxalism and Democracy: SCs Struggle for Liberation 5. What happened to the MBC: Story of Persistent Marginalization 6. Backward Classes and New Social Order: End of Movement Persistence of Sentiment, Conclusions: Social Structure and Social Movements

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The Great Karakoram Range

A Strategic Geopolitical and Geological Scenario

B.L. Kaul

Contents: Preface, Acknowledgements, 1. Introduction, Section I Geopolitical Scenario, 2. Geopolitical Scenario 3. Gilgit – Balistan Region 4. Hunza – Nagar Areas 5. Siachen Glacier Area 6. Lesser Karakoram – Saltoro Range 7. Skardu Area 8. Karakoram Highway/China – Pakistan Economic Corridor 9. Geopolitical and Strategic Ramifications, Section II Geological Scenario Eastern Karakoram (India) 10. Tectono – Stratigraphy 11. Geological Structure 12. Discussion 13. Conclusion and Important Inferences, References.

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Indian Government and Politics

Rakesh Ranjan

Contents: 1. Indian constitution – Cornerstone of a Nation 2. Key Features of Indian Constitution 3. Secondary features of Indian Constitution 4. Fundamental rights, duties and the directive principles of state policy 5. Organizational structure of Union Government of India

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China's Worrying Eunuchs

Resistance to Beijing's Belligerence in the South China Sea

Editors

Gautam Kumar Jha
Saumyajit Ray

Contents: 1. The Philippines Claims of Sovereignty over South China Sea 2. A New Imperial China: The Hague Ruling and the South China Sea dispute 3. Differing perspectives on the Looming Crisis in the South China Sea: Belligerence or Tempest in a Teapot 4. Sino-US Rivalry in South China Sea: A New Normal 5. South China Sea Imbroglio: Indias Interests at Stake 6. Natuna Islands: China Drags Indonesia to South China Sea 7. The South China Sea Dispute: Appraising ASEANs Response 8. South China Sea Dispute and Sino-ASEAN Relations: Implications for India 9. Malaysias South China Sea Policy: Still Walking the Tightrope 10. Maritime Security in the Malacca Straits: Challenges and Prospects 11. Vietnam and the South China Sea: Two-Fold Strategy.

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Politics

Manan Dwivedi
Saket Bihari

Contents: 1. What is Politics 2. All About: Political Ideologies 3. Theories of State 4. Democracy and Legitimacy 5. Regimes 6. Nation and Nationalism 7. Political Economy and Globalization 8. Politics, Society and Identity 9. Political Culture and Media 10. Elections and Representations 11. Political Parties and the Party System 12. Groups, Interests and Politics 13. Constitution, Law and Judges 14. Political Executives and Leadership 15. State and Bureaucracy 16. Security: Domestic and International 17. World Order and Governance 18. Global Governance

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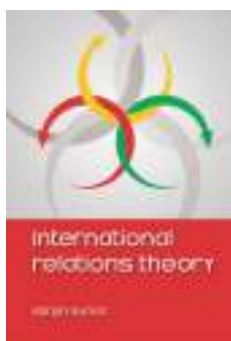
Gandhian Political Economy

Principles, Practice and Policy

B.N. Ghosh

Contents: 1. Introduction 2. The Making of Gandhian Political Economy 3. The Ontological Principles of Gandhian Political Economy 4. Methodological Structuration 5. Exploitation, Inequalities and Distributive Justice 6. Conflict and Conflict Resolution 7. State, Power and Policy 8. Development and Underdevelopment 9. Towards an Appraisal

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International Relations Theory

Sanjay Kumar

Contents: Preface 1. Global Formation: Structures of the World-economy 2. Global Competitiveness 3. Nature, Raw Materials, and Political Economy 4. Energy, Capitalism and World Order 5. Multinationals, FDI, Development and the New World 6. Global Political Economy and the Wealth of Nations 7. Globalization and the Distribution of Wealth 8. Money, Finance and Political Economy Bibliography Index

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Comparative Government and Politics

Sadhana Thakur

Contents: Preface 1. Comparative Politics: Rationality, Culture and Structure 2. Liberal Internationalism and Decline of the States 3. Contemporary Political Sociology: Globalization, Politics and Power 4. International Politics: Empires, Systems and States 5. International and Regional Security in a Multi-Polar World 6. Polarity, Balance of Power and Stability in International Relations 7. International Politics: Power and Purpose in Global Affairs, Bibliography, Index

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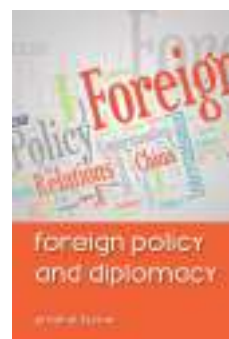


Political Analysis and Research Methods

Ram Lakhan Mandal

Contents: Preface 1. Introduction 2. Political Parties, Pressure Groups and Public Opinion in India 3. Political Culture and Cultural Politics 4. Political Institutions: A Comparative View 5. Socialism: Past and Future 6. The Legal Framework of the Constitution 7. Constitutional Law, Administrative Law and Human Rights 8. Rise of the Nation and States 9. Literature, Politics and Political Criticism 10. The Limits of the Liberty

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Foreign Policy and Diplomacy

Prabhat Kumar

Contents: Preface 1. Foreign Policy: Concept and Diplomatic Practice 2. International System and Foreign Policy Approaches 3. U.S. Foreign Policy: The Paradox of World Power 4. Foreign Policy of World Powers: France, Britain and Russia 5. New Dimensions of Chinese Foreign Policy 6. Germany and Japan in the International System 7. Foreign Policies of Major Powers: Issues and Trends, Bibliography, Index.

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Modern Political Science

Haridwar Singh

Contents: Preface 1. Philosophy, Social Science and Political Theory 2. Law and Social Control 3. The State 4. Authority and Power 5. Political Principles 6. Justice 7. Procedural Justice 8. Social Justice 9. Equality 10. Liberty 11. Human Rights 12. The Public Interest and Democracy Bibliography, Index.

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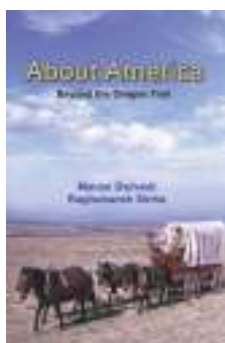


International Political Economy

Vidya Kumar Choudhary

Contents: Preface 1. Global Formation: Structures of the World-economy 2. Global Competitiveness 3. Nature, Raw Materials, and Political Economy 4. Energy, Capitalism and World Order 5. Multinationals, FDI, Development and the New World 6. Global Political Economy and the Wealth of Nations 7. Globalization and the Distribution of Wealth 8. Money, Finance and Political Economy, Bibliography, Index

9789386761156 • 288 (Hb) • 2023 • ₹ 1495.00

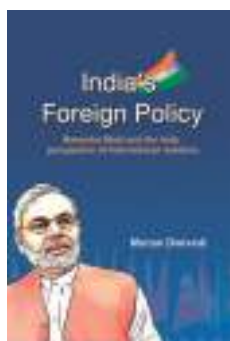


About America Beyond the Oregon Trail

Manan Dwivedi
Raghubansh Sinha

About the Book: The Book zeroes in about a post-truth, post-truth and post-Taliban America and the significance of the India US "Bilateral" in the larger context of global politics. The range of themes placed inside the narrative range from US Climate change intransigence, Cultural relations all the way to the role of the Indian Diaspora intertwined with the stature of India and its conclave amidst the American homeland. The work is a labor of love which zeroes in upon the confluence of the American Dream and the Indic centric surge in a liberal Democratic world order. The tenets of the value laden congruence of the twin liberal democracies in the Asiatic mode happens to be the general tenor of the various scholarly contributions in the present text and the attendant narrative. The work reflects the eclectic realms of study and research which make the India and US altercating which the international system will be all about in the presence of the debilitating china factor.

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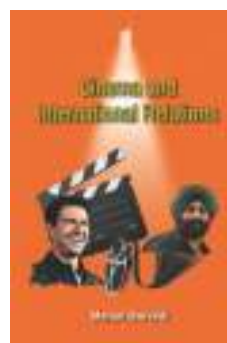


India's Foreign Policy Narendra Modi and the Indic Perspective of International Relations

Manan Dwivedi

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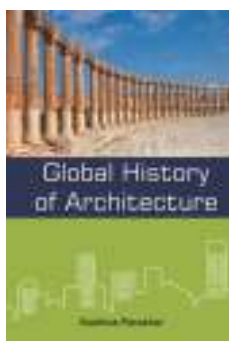


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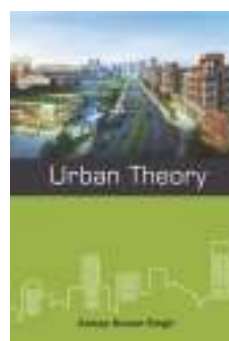


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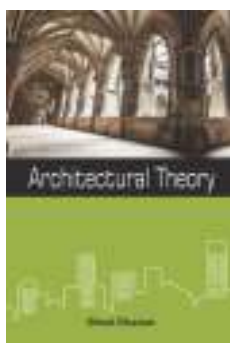


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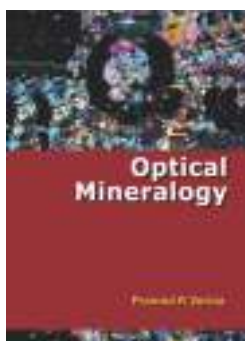


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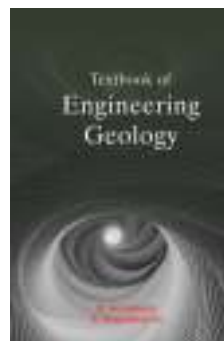


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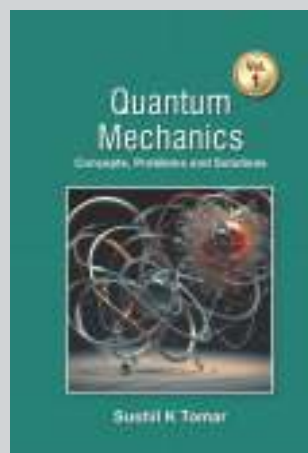
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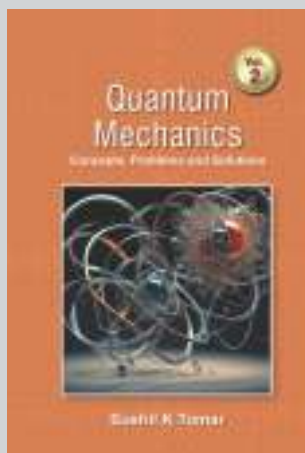
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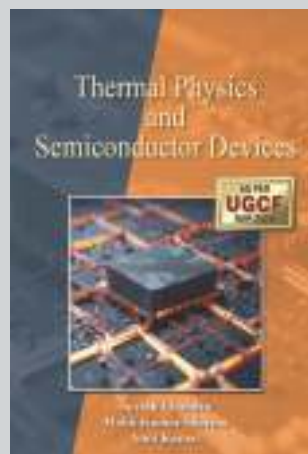
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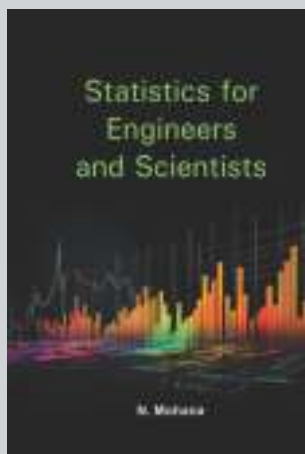
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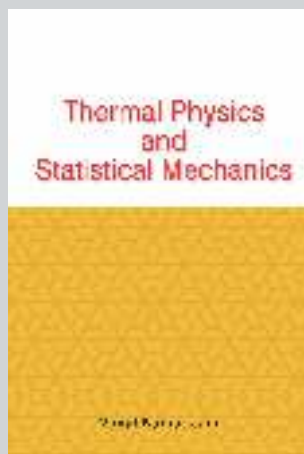
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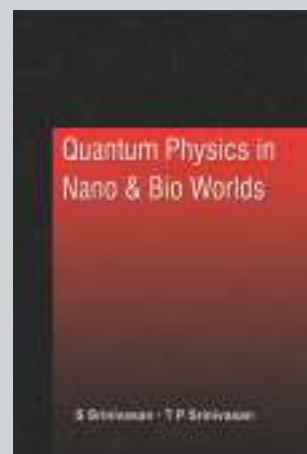
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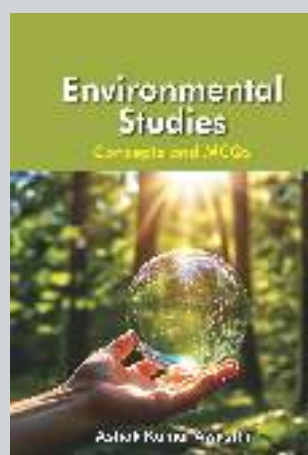
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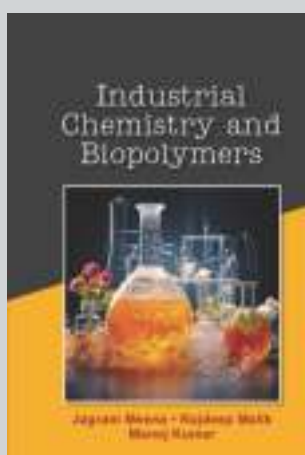
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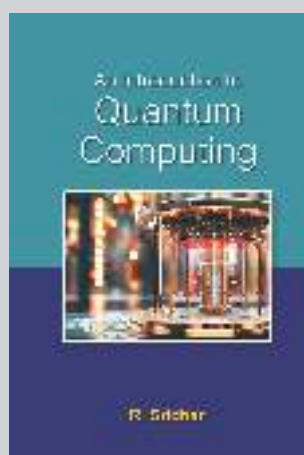
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