

Inorganic Chemistry By Madan Malik Tuli

A Text Book of Organic Chemistry
Biomedical Applications of Nanotechnology
Progress in Inorganic Chemistry
Quantum Mechanics
Xenobiotics in the Soil Environment
Inorganic Chemistry of the Transition Elements
India's New Capitalists
Rainfed Farming Systems
Spectroscopy of Organic Compounds
A Textbook of Inorganic Chemistry - Volume 1
Selected Topics in Inorganic Chemistry
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Sustainable Green Technologies for Environmental Management
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S.Chands Success Guide (Q&A) Inorganic Chemistry
Essentials of Physical Chemistry
Symmetry and Spectroscopy of Molecules
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A Text Book of Organic Chemistry

An understanding of quantum mechanics is vital to all students of physics, chemistry and electrical engineering, but requires a lot of mathematical concepts, the details of which are given with great clarity in this book. Various concepts have been derived from first principles, so it can also be used for self-study. The chapters on the JWKB approximation, time-independent perturbation theory and effects of magnetic field stand out for their clarity and easy-to-understand mathematics. Two complete chapters on the linear harmonic oscillator provide a very detailed discussion of one of the most fundamental problems in quantum mechanics. Operator algebra is used to show the ease with which one can calculate the harmonic oscillator wave functions and study the evolution of the coherent state. Similarly, three chapters on angular momentum give a detailed account of this important problem. Perhaps the most attractive feature of the book is the excellent balance between theory and applications and the large number of applications in such diverse areas as astrophysics, nuclear physics, atomic and molecular spectroscopy, solid-state physics, and quantum well structures.

Biomedical Applications of Nanotechnology

Progress in Inorganic Chemistry

Quantum Mechanics

This book describes various aspects of modern microbiology including microbial enzymes, secondary metabolites, next-generation sequencing, microbial-based biopesticides, microbial-based cancer therapies, biodiesel, and microbial products from fermentation, biodegradation, bioremediation and wastewater treatment. Further, it explains how and why microbes play an important role in preserving the welfare of living beings and the environment. Many bacteria play a significant part in cleaning our environment by detoxifying various xenobiotic compounds, while several microbes produce secondary metabolites that are useful to human beings. The book is divided into 15 chapters that cover various aspects of microorganism-based biotechnology, including recent methodologies such as advanced molecular techniques, as well developments in classical microbiological techniques. The authors also explain how the latest and classical techniques are being used in modern-day microbial biotechnology. All chapters were written by experts from

prominent universities, research laboratories, and institutes around the globe. Above all, they focus on recent advances in microbial technology that promote the welfare of living beings and the environment.

Xenobiotics in the Soil Environment

This book is primarily intended for the first year B.Tech students of all branches for their course on engineering chemistry. The main objective of this book is to provide a broad understanding of the chemical concepts, theories and principles of Engineering Chemistry in a clear and concise manner, so that even an average student can grasp the intricacies of the subject. It includes the general concepts of structure and bonding, phase rule, solid state, reaction kinetics and catalysis, electrochemistry, chemical thermodynamics and free energy. Besides, the book introduces topics of applied chemistry like water technology, polymer chemistry and nanotechnology. Each theoretical concept is well supported by illustrative examples. The book also provides a large number of solved problems and illustrations to reinforce the theoretical understanding of concepts. **KEY FEATURES**

- (i) Each chapter of the book provides a clear and easy understanding of the definitions, theories and principles.
- (ii) A large number of well-labelled diagrams help to understand the concepts easily and clearly.
- (iii) Chapter-wise glossary and important mathematical relations are given for quick revision.
- (iv) Provides multiple choice questions with answers, short questions and long questions for

practice.a

Inorganic Chemistry of the Transition Elements

This text on Physical Chemistry encourages users to understand rather than just rote learning. Simple and lucid language has been used to explain principles and practices. The coverage spans large variety of topics including Gaseous State, Liquid State, Solid State, Colloidal State, Chemical Kinetics, Thermodynamics, Chemical Equilibrium, Distribution Law, Electrochemistry, Atomic Structure and Wave Mechanics, Spectroscopy, Photochemistry, Polymers and Nuclear Chemistry. Salient Features : • Latest IUPAC notations and SI units used • More than 1200 stepwise solved problems and numerical problems • Special features such as interesting facts, common pitfalls, key terms

India's New Capitalists

Pratiyogita Darpan (monthly magazine) is India's largest read General Knowledge and Current Affairs Magazine. Pratiyogita Darpan (English monthly magazine) is known for quality content on General Knowledge and Current Affairs. Topics ranging from national and international news/ issues, personality development, interviews of examination toppers, articles/ write-up on topics like career,

economy, history, public administration, geography, polity, social, environment, scientific, legal etc, solved papers of various examinations, Essay and debate contest, Quiz and knowledge testing features are covered every month in this magazine.

Rainfed Farming Systems

In order to do business effectively in contemporary South Asia, it is necessary to understand the culture, the ethos, and the region's new trading communities. In tracing the modern-day evolution of business communities in India, this book uses social history to systematically document and understand India's new entrepreneurial groups.

Spectroscopy of Organic Compounds

During the course of far-infrared investigations of inorganic and coordination compounds at Argonne National Laboratory in the years 1962-1966, it became apparent that no suitable book existed which correlated and discussed the important vibrations occurring in this region for these molecules. Early in 1967 the initial steps were taken to write such a book. Then, in 1968, an excellent text by Professor David M. Adams entitled *Metal-Ligand and Related Vibrations* was

published. At this point serious consideration was given to discontinuing work on this book. However, upon examination of Adams' book, it became clear that the references covered only the period to 1966. This field of research is accelerating so tremendously, and the period 1966-1969 has seen so many new studies, that upon reconsideration it was decided to continue writing this text. The references in this book, particularly in the last several chapters, include many papers published in 1969. However, the proliferation of the far-infrared literature has made it impossible to present all the published material that has any bearing on the subject. Many titles do not pertain primarily to the far-infrared region as such, and some of this research has been omitted for this reason. Organometallic compounds have been neglected since the author feels that adequate reviews of that subject are available. Other studies may be missing simply because, owing to space limitations, only the more important researches could be considered. Of course, "importance" may, in this case, reflect the author's interest and prejudices.

A Textbook of Inorganic Chemistry - Volume 1

While a good grasp of the many separate aspects of agriculture is important, it is equally essential for all those involved in agriculture to understand the functioning of the farming system as a whole and how it can be best managed. It is necessary to re-assess and understand rain-fed farming systems around the world and to find ways to improve the selection, design and operation of such systems for long term

productivity, profitability and sustainability. The components of the system must operate together efficiently; yet many of the relationships and interactions are not clearly understood. Appreciation of these matters and how they are affected by external influences or inputs are important for decision making and for achieving desirable outcomes for the farm as a whole. This book analyses common rain-fed farming systems and defines the principles and practices important to their effective functioning and management.

Selected Topics in Inorganic Chemistry

The environment of our planet is degrading at an alarming rate because of non-sustainable urbanization, industrialization and agriculture. Unsustainable trends in relation to climate change and energy use, threats to public health, poverty and social exclusion, demographic pressure and ageing, management of natural resources, biodiversity loss, land use and transport still persist and new challenges are arising. Since these negative trends bring about a sense of urgency, short term action is required, whilst maintaining a longer term perspective. The main challenge is to gradually change our current unsustainable consumption and production patterns and the nonintegrated approach to policy-making. This book covers the broad area including potential of rhizospheric microorganisms in the sustainable plant development in anthropogenic polluted soils, bioremediation of pesticides from soil and waste water, toxic metals from soil, biological treatment of

pulp and paper industry wastewater, sustainable solutions for agro processing waste management, solid waste management on climate change and human health, environmental impact of dyes and its remediation. Various methods for genotoxicity testing of environmental pollutants are also discussed and chapters on molecular detection of resistance and transfer genes in the environmental samples, biofilm formation by the environmental bacteria, biochemical attributes to assess soil ecosystem sustainability, application of rhizobacteria in biotechnology, role of peroxidases as a tool for the decolorization and removal of dyes and potential of biopesticides in sustainable agriculture. It offers a unique treatment of the subject, linking various protection strategies for sustainable development, describing the inter-relationships between the laboratory and field eco-toxicologist, the biotechnology consultant, environmental engineers and different international environmental regulatory and protection agencies.

A Textbook of Inorganic Chemistry - Volume 1

Sustainable Green Technologies for Environmental Management

Chemists have been aware of the existence of coordination compounds containing

organic macrocyclic ligands since the first part of this century ; however, only during the past few years have they expanded research into the chemistry of these compounds. The expansion was initiated in the early 1960s by the synthesis and characterization of compounds containing some new macrocyclic ligands. The synthesis of compounds which may serve as model systems for some natural products containing large rings as ligands provided the main goal for the early expansion of research effort; indeed, a recurrent theme behind much of the reported chemistry has been the analogy between synthetic macrocyclic compounds and many natural-product systems. More recently, the emphases of reported research have ranged over the whole spectrum of chemistry, and the number of publications that discuss macrocyclic chemistry has increased at a dramatic rate. The completed research has been reported in a variety of journals throughout the world but there has been no previous attempt to bring the major developments together under one cover. This book, therefore, attempts to satisfy the need for a single source in which there is both a collection and a correlation of information concerning the coordination chemistry of macrocyclic compounds. The chapters in this book discuss various aspects of macrocyclic chemistry, and while these chapters as a whole constitute an in-depth survey of the state-of-the-art of the field, each chapter is written as a complete unit.

Selected Topics in Inorganic Chemistry

For B.Sc 2nd year students of all Indian Universities. The book has been prepared keeping view the syllabi prepared by different universities on the basis of Model UGC Curriculum. A large number of illustrations, pictures and interesting examples have been provided to make the reading interesting and understandable. The question that have been provided in the Exercise are in tune with the latest pattern of examination.

Elementary Organic Spectroscopy

This book concisely describes the role of omics in precision medicine for cancer therapies. It outlines our current understanding of cancer genomics, shares insights into the process of oncogenesis, and discusses emerging technologies and clinical applications of cancer genomics in prognosis and precision-medicine treatment strategies. It then elaborates on recent advances concerning transcriptomics and translational genomics in cancer diagnosis, clinical applications, and personalized medicine in oncology. Importantly, it also explains the importance of high-performance analytics, predictive modeling, and system biology in cancer research. Lastly, the book discusses current and potential future applications of pharmacogenomics in clinical cancer therapy and cancer drug development.

Low-Frequency Vibrations of Inorganic and Coordination Compounds

Essential Of Physical Chemistry (M.E)

HIV/AIDS continues to be one of the most challenging individual and public health concerns of the present day. According to the UNAIDS, nearly 38 million individuals were living with the infection by the end of 2018, while 1.7 million new cases occurred during that same year. In spite of the numerous advances in the development and delivery of antiretroviral agents, both for treatment and prevention, several challenges remain. This book includes original research and review articles on innovative strategies and approaches for the formulation and delivery of anti-HIV drugs, including genetic material and other biopharmaceuticals. Different local and systemic delivery strategies are addressed based on different technologies intended for oral, transdermal, subcutaneous, vaginal, or rectal administration. Authored by eminent scientists in academia and nonprofit organizations involved in the development of antiretroviral drug products, this collection provides useful information for all those involved in HIV/AIDS treatment and prevention.

Microbial Technology for the Welfare of Society

This thoroughly revised and updated edition is designed for B.Sc. (Hons.) and M.Sc. students of Indian Universities, based on the revised syllabi of Indian Universities, this edition provides selected topics of the subject.

Pharmaceutical Inorganic Chemistry

Our Earth is considered as a natural system which organizes and controls itself. However, the present scale of anthropogenic activity is unprecedented in the history of mankind compelling the intelligencia to ponder over the scientific causes of the problems, processes and sustainable and pragmatic solutions. The current rate of resource use and consumption pattern are depleting the planet's finite resources and damaging life-supporting ecosystems. A large number of toxic substances are increasingly found in air, water, soil, and flora and fauna. We are in the midst of a period of increasing interconnected and complex global challenges that seek action across temporal and spatial scales, diverse sectors, and concerted efforts from global citizens. The environment on account of human's action has been experiencing imbalances and ecological catastrophe. Environmental issues like global climate change, biodiversity loss, the rapid depletion of natural resources, degradation of global commons, stratospheric ozone depletion have

been restricting the safe operating space and transgressing the planetary boundaries endangering the existence of human societies. The global environmental problems if not scientifically managed may end up in the civilizational collapse. Nevertheless, the underlying commonality among these environmental issues is interrelatedness, complexity, and difficulty in identifying and implementing solutions. The global environmental challenges can be managed by adopting sustainable green technologies which dovetails the principles of environmental sustainability with social and ecological sustainability. Green growth is construed as a new development paradigm that sustains economic growth while at the same time ensuring environmental sustainability.

The Language of Chemistry or Chemical Equations

This comprehensive series of volumes on inorganic chemistry provides inorganic chemists with a forum for critical, authoritative evaluations of advances in every area of the discipline. Every volume reports recent progress with a significant, up-to-date selection of papers by internationally recognized researchers, complemented by detailed discussions and complete documentation. Each volume features a complete subject index and the series includes a cumulative index as well.

Environmental Protection Strategies for Sustainable Development

The Sixth Edition Of This Widely Used Text Includes New Examples / Spectra / Explanations / Expanded Coverage To Update The Topic Of Spectroscopy. The Artwork And Material In All Chapters Has Been Revised Extensively For Students Understanding. New To This Edition * New Discussion And New Ir, ^1H Nmr, ^{13}C Nmr And Ms Spectra. * More Important Basic Concepts Highlighted And Put In Boxes Throughout This Edition. * Chapters On ^1H Nmr And ^{13}C Nmr Rewritten And Enlarged. More On Cosy, Hetcor, Dept And Inadequate Spectra. * A Rational Approach For Solving The Structures Via Fragmentation Pathways In Ms. * Increased Power Of The Book By Providing Further Extensive Learning Material In This Revised Edition. * A Quick And An Easy Access To Topics In Ugc Model Curricula. With Its Comprehensive Coverage And Systematic Presentation The Book Would Serve As An Excellent Text For B.Sc. (Hons.) And M.Sc. Chemistry Students. It Provides Knowledge To Excel At Any Level, University Examination, Competitive Examinations E.G. Net And Before Interview Boards.

Pratiyogita Darpan

Stereochemistry of Organic Compounds

An overview of nanotechnology and its potential The field of nanotechnology is undergoing rapid developments on many fronts. This reference provides a comprehensive review of various nanotechnologies with a view to their biomedical applications. With chapters contributed by distinguished scientists from diverse disciplines, Biomedical Applications of Nanotechnology : Reviews recent advances in the designing of various nanotechnologies based on nucleic acids, polymers, biomaterials, and metals Discusses biomedical nanotechnology in areas such as drug and gene delivery Covers advanced aspects of imaging and diagnostics Includes a chapter on the issue of nanotoxicology Complete with figures and tables, this is a practical, hands-on reference book for researchers in pharmaceutical and biotech industries, biomedical engineers, pharmaceutical scientists, pharmacologists, and materials scientists as well as for the policymakers who need to understand the potential of nanotechnology. It is also an excellent resource book for graduate-level students in pharmaceutical sciences, biomedical engineering, and other fields in which nanotechnology is playing an increasingly important role.

Coordination Chemistry of Macrocyclic Compounds

An advanced-level textbook of inorganic chemistry for the graduate (B.Sc) and postgraduate (M.Sc) students of Indian and foreign universities. This book is a part of four volume series, entitled "A Textbook of Inorganic Chemistry - Volume I, II, III, IV". CONTENTS: Chapter 1. Stereochemistry and Bonding in Main Group Compounds: VSEPR theory, $d\pi - p\pi$ bonds, Bent rule and energetic of hybridization. Chapter 2. Metal-Ligand Equilibria in Solution: Stepwise and overall formation constants and their interactions, Trends in stepwise constants, Factors affecting stability of metal complexes with reference to the nature of metal ion and ligand, Chelate effect and its thermodynamic origin, Determination of binary formation constants by pH-metry and spectrophotometry. Chapter 3. Reaction Mechanism of Transition Metal Complexes-I: Inert and labile complexes, Mechanisms for ligand replacement reactions, Formation of complexes from aquo ions, Ligand displacement reactions in octahedral complexes- acid hydrolysis, Base hydrolysis, Racemization of tris chelate complexes, Electrophilic attack on ligands. Chapter 4. Reaction Mechanism of Transition Metal Complexes-II: Mechanism of ligand displacement reactions in square planar complexes, The trans effect, Theories of trans effect, Mechanism of electron transfer reactions – types; Outer sphere electron transfer mechanism and inner sphere electron transfer mechanism, Electron exchange. Chapter 5. Isopoly and Heteropoly Acids and Salts: Isopoly and Heteropoly acids and salts of Mo and W: structures of isopoly and heteropoly anions. Chapter 6. Crystal Structures: Structures of some binary and ternary compounds such as fluorite, antiferite, rutile, antirutile, cristobalite, layer

lattices- CdI_2 , BiI_3 ; ReO_3 , Mn_2O_3 , corundum, perovskite, Ilmenite and Calcite.

Chapter 7. Metal-Ligand Bonding: Limitation of crystal field theory, Molecular orbital theory, octahedral, tetrahedral or square planar complexes, π -bonding and molecular orbital theory. Chapter 8. Electronic Spectra of Transition Metal Complexes: Spectroscopic ground states, Correlation and spin-orbit coupling in free ions for 1st series of transition metals, Orgel and Tanabe-Sugano diagrams for transition metal complexes ($d^1 - d^9$ states), Calculation of Dq , B and β parameters, Effect of distortion on the d-orbital energy levels, Structural evidence from electronic spectrum, John-Teller effect, Spectrochemical and nephelauxetic series, Charge transfer spectra, Electronic spectra of molecular addition compounds.

Chapter 9. Magnetic Properties of Transition Metal Complexes: Elementary theory of magneto - chemistry, Guoy's method for determination of magnetic susceptibility, Calculation of magnetic moments, Magnetic properties of free ions, Orbital contribution, effect of ligand-field, Application of magneto-chemistry in structure determination, Magnetic exchange coupling and spin state cross over.

Chapter 10. Metal Clusters: Structure and bonding in higher boranes, Wade's rules, Carboranes, Metal Carbonyl Clusters - Low Nuclearity Carbonyl Clusters, Total Electron Count (TEC). Chapter 11. Metal- π Complexes: Metal carbonyls, structure and bonding, Vibrational spectra of metal carbonyls for bonding and structure elucidation, Important reactions of metal carbonyls; Preparation, bonding, structure and important reactions of transition metal nitrosyl, dinitrogen and dioxygen complexes; Tertiary phosphine as ligand.

Advanced Physical Chemistry

The Language of Chemistry or Chemical Equations

B.SC.Chemistry - II (UGC)

An advanced-level textbook of inorganic chemistry for the graduate (B.Sc) and postgraduate (M.Sc) students of Indian and foreign universities. This book is a part of four volume series, entitled "A Textbook of Inorganic Chemistry - Volume I, II, III, IV". CONTENTS: Chapter 1. Stereochemistry and Bonding in Main Group Compounds: VSEPR theory, $d\pi - p\pi$ bonds, Bent rule and energetic of hybridization. Chapter 2. Metal-Ligand Equilibria in Solution: Stepwise and overall formation constants and their interactions, Trends in stepwise constants, Factors affecting stability of metal complexes with reference to the nature of metal ion and ligand, Chelate effect and its thermodynamic origin, Determination of binary formation constants by pH-metry and spectrophotometry. Chapter 3. Reaction Mechanism of Transition Metal Complexes-I: Inert and labile complexes, Mechanisms for ligand replacement reactions, Formation of complexes from aquo ions, Ligand displacement reactions in octahedral complexes- acid hydrolysis, Base hydrolysis, Racemization of tris chelate complexes, Electrophilic attack on ligands. Chapter 4. Reaction Mechanism of Transition Metal Complexes-II: Mechanism of ligand

displacement reactions in square planar complexes, The trans effect, Theories of trans effect, Mechanism of electron transfer reactions – types; Outer sphere electron transfer mechanism and inner sphere electron transfer mechanism, Electron exchange. Chapter 5. Isopoly and Heteropoly Acids and Salts: Isopoly and Heteropoly acids and salts of Mo and W: structures of isopoly and heteropoly anions. Chapter 6. Crystal Structures: Structures of some binary and ternary compounds such as fluorite, antiferite, rutile, antirutile, cristobalite, layer lattices- CdI_2 , BiI_3 ; ReO_3 , Mn_2O_3 , corundum, perovskite, Ilmenite and Calcite. Chapter 7. Metal-Ligand Bonding: Limitation of crystal field theory, Molecular orbital theory, octahedral, tetrahedral or square planar complexes, π -bonding and molecular orbital theory. Chapter 8. Electronic Spectra of Transition Metal Complexes: Spectroscopic ground states, Correlation and spin-orbit coupling in free ions for 1st series of transition metals, Orgel and Tanabe-Sugano diagrams for transition metal complexes (d1 – d9 states), Calculation of Dq , B and β parameters, Effect of distortion on the d-orbital energy levels, Structural evidence from electronic spectrum, John-Teller effect, Spectrochemical and nephelauxetic series, Charge transfer spectra, Electronic spectra of molecular addition compounds. Chapter 9. Magnetic Properties of Transition Metal Complexes: Elementary theory of magneto - chemistry, Guoy's method for determination of magnetic susceptibility, Calculation of magnetic moments, Magnetic properties of free ions, Orbital contribution, effect of ligand-field, Application of magneto-chemistry in structure determination, Magnetic exchange coupling and spin state cross over.

Chapter 10. Metal Clusters: Structure and bonding in higher boranes, Wade's rules, Carboranes, Metal Carbonyl Clusters - Low Nuclearity Carbonyl Clusters, Total Electron Count (TEC). Chapter 11. Metal- π Complexes: Metal carbonyls, structure and bonding, Vibrational spectra of metal carbonyls for bonding and structure elucidation, Important reactions of metal carbonyls; Preparation, bonding, structure and important reactions of transition metal nitrosyl, dinitrogen and dioxygen complexes; Tertiary phosphine as ligand.

Understanding Chemistry

Problems in Inorganic Chemistry

ENGINEERING CHEMISTRY WITH LABORATORY EXPERIMENTS

This text deals with the new concepts and terminology that have been introduced into the treatment of organic stereochemistry over the last decade. Organic reaction mechanisms, as they relate to stereochemistry, are included, and the pericyclic reaction using the frontier molecular orbital approach is explained. The text does not assume a strong grounding in organic chemistry and will therefore be

useful to a broader spectrum of students - both graduate and undergraduate. The volume features numerous illustrations and programmed problems.

Photochemistry of Coordination Compounds

Synthesis and Applications of Inorganic Nanostructures

PRINCIPLES AND CHEMICAL APPLICATIONS FOR B.SC.(HONS) POST GRADUATE STUDENTS OF ALL INDIAN UNIVERSITIES AND COMPETITIVE EXAMINATIONS.

The Organometallic Chemistry of the Transition Metals

Authored by a leading figure in the field, this book systematically describes all the fundamental aspects and applications of inorganic nanostructures from zero to three dimensions. It not only discusses various synthesis technologies, but also covers the physical properties of inorganic nanostructures, such as optical, electric and magnetic properties, and practical applications such as energy storage (including Li-ion and Ni-MH batteries and supercapacitors), superhydrophobic and bio-applications, etc. The focus throughout is on the synthesis-structure-application relationships, including the growth mechanisms for the nanostructures. Concise yet

comprehensive, this is indispensable reading for chemists and materials scientists.

S.Chands Success Guide (Q&A) Inorganic Chemistry

Essentials of Physical Chemistry

For B.Sc. Part I,II & III Classes of all Indian Universities and also covering U.G.C. model curriculum. Authentic, simple, to the point and modern account of each and every topic. Relevant, Clear, well labelled diagrams. Easy to understand treatment of most difficult and intricate topic. Questions from university papers of various Indian Universities

Symmetry and Spectroscopy of Molecules

Problems in Inorganic Chemistry

Inorganic Chemistry-II (For M.Sc. Course for Universities in Uttarakhand)

Physical Chemistry

This book describes the vast variety of xenobiotics, such as pesticides, antibiotics, antibiotic resistance genes, agrochemicals and other pollutants, their interactions with the soil environment, and the currently available strategies and techniques for soil decontamination and bioremediation. Topics covered include: transport mechanisms of pollutants along the Himalayas; use of earthworms in biomonitoring; metagenomic strategies for assessing contaminated sites; xenobiotics in the food chain; phyto-chemical remediation; biodegradation by fungi; and the use of enzymes and potential microbes in biotransformation. Accordingly, the book offers a valuable guide for scientists in the fields of environmental ecology, soil and food sciences, agriculture, and applied microbiology.

Indian Books in Print

This book entitled "Inorganic Chemistry-II", is an effort to present the subject matter in a comprehensible and easily understandable form. This textbook is purposefully prepared for the postgraduate Inorganic Chemistry second semester course and it covers all the topics recommended.

Novel Approaches for the Delivery of Anti-HIV Drugs

'Essentials of Cancer Genomic, Computational Approaches and Precision Medicine

Specialist Periodical Reports provide systematic and detailed review coverage of progress in the major areas of chemical research. Written by experts in their specialist fields the series creates a unique service for the active research chemist, supplying regular critical in-depth accounts of progress in particular areas of chemistry. For over 80 years the Royal Society of Chemistry and its predecessor, the Chemical Society, have been publishing reports charting developments in chemistry, which originally took the form of Annual Reports. However, by 1967 the whole spectrum of chemistry could no longer be contained within one volume and the series Specialist Periodical Reports was born. The Annual Reports themselves still existed but were divided into two, and subsequently three, volumes covering Inorganic, Organic and Physical Chemistry. For more general coverage of the highlights in chemistry they remain a 'must'. Since that time the SPR series has altered according to the fluctuating degree of activity in various fields of chemistry. Some titles have remained unchanged, while others have altered their emphasis along with their titles; some have been combined under a new name whereas

others have had to be discontinued. The current list of Specialist Periodical Reports can be seen on the inside flap of this volume.

[ROMANCE](#) [ACTION & ADVENTURE](#) [MYSTERY & THRILLER](#) [BIOGRAPHIES & HISTORY](#) [CHILDREN'S](#) [YOUNG ADULT](#) [FANTASY](#) [HISTORICAL FICTION](#) [HORROR](#) [LITERARY FICTION](#) [NON-FICTION](#) [SCIENCE FICTION](#)