

Physical Chemistry Kundu And Jain

Complete Chemistry For JEE-Main | JEE-Main & Advanced (Organic, Physical, Inorganic) Medium - English

This best-selling volume presents the principles and applications of physical chemistry as they are used to solve problems in biology and medicine. The First Law; the Second Law; free energy and chemical equilibria; free energy and physical Equilibria; molecular motion and transport properties; kinetics: rates of chemical reactions; enzyme kinetics; the theory and spectroscopy of molecular structures and interactions: molecular distributions and statistical thermodynamics; and macromolecular structure and X-ray diffraction. For anyone interested in physical chemistry as it relates to problems in biology and medicine.

Collecting information of vital interest to chemical, polymer, mechanical, electrical, and civil engineers, as well as chemists and chemical researchers, this "Encyclopedia "supplies nearly 350 articles on current design, engineering, science, and manufacturing practices-offering expertly written articles on technologies at the forefront of the field to maximize and enhance the research and production phases of current and emerging chemical manufacturing practices and techniques.

Handbook of Internal Migration in India

Volume 3: Molecular Thermodynamics and Kinetics

Impex Reference Catalogue of Indian Books

Advanced Physical Chemistry

Engineering Chemistry

This volume brings together several recent research articles in the field of nanophotonics. The editors have arranged the chapters in three main parts: quantum devices, photonic devices, and semiconductor devices. The chapters cover a wide variety of scopes in those areas including principles of plasmonic, SPR, LSPR and their applications, graphene-based nanophotonic devices, generation of entangled photon and quantum dots, perovskite solar cells, photo-detachment and photoionization of two-electrons systems, diffusion and intermixing of atoms in semiconductor crystals, lattice and molecular elastic and inelastic scattering including surface-enhanced Raman Scattering and their applications. It is our sincerest hope that science and engineering students and researchers could benefit from the new ideas and recent advances in the field that are covered in this book.

The subject of the mechanistic study of ligand substitution reactions is currently undergoing an exciting growth. New fast-reaction techniques have removed the upper limit on rates that can be measured, and extension to less familiar central metal atoms has begun in earnest. This might seem the wrong moment for review of the field. As yet, definitive treatment is possible only for those complexes involving monodentate ligands with cobalt(III) and platinum(II). But, because information is so extensive for these systems, it is clear that they are functioning as models from which concepts and experiments are generated for application over the fast-growing range of the subject. We believe that this is an important moment to reopen debate on fundamentals so that concepts will be most felicitously formulated to aid growth of understanding. This monograph is centrally concerned with three aspects of those fundamentals. We have attempted to develop an approach to classification of ligand substitution reactions that is adapted to what seem to have emerged as the characteristic features of these reactions and is susceptible to operational tests. (We do recognize that any such scheme of ideas is necessarily obsolescent once it is formulated since new experiments will certainly follow immediately.) We have tried to evaluate the basis for making generalizations about ligand substitution processes and to formulate tests to show whether new reactions fall within familiar patterns. Finally, we have sought to base the models of ligand substitution processes in the language of molecular-orbital theory. We believe that MO theory is most useful, because it may be used to correlate rate data on complexes with the extensive information available from spectral and magnetic studies, yet differs from crystal-field theory in providing a natural place for consideration of the bonding electrons, which must be a principal determinant of reaction processes. To keep this essay within bounds, we assume familiarity with the elements of experimental kinetics, transition-state theory, and the simple molecular-orbital theory of complexes. Introductory physical chemistry, some familiarity with the study of reaction mechanisms, and mastery of one of the qualitative treatments of MO theory as applied to transition-metal complexes should provide sufficient background. Thus, we hope that this book will be useful to students, relatively early in their careers, who wish to explore this field.

A Textbook for B.Sc. (Part III and Hons.) and Postgraduate Courses of Indian Universities. In this edition, I have made major changes in the light of modern concepts introduced in syllabi at the under-graduate and postgraduate level as well. With matter has also been updated. The subject matter has been arranged systematically, in a lucid style and simple language. New Problems and exercises have also been introduced to acquaint the students with trend of questions they except in the examinations.

Reactions, Processes, and Applications

A Textbook of Physical Chemistry

Encyclopedia of Chemical Processing

Soil Health

Noble and Precious Metals

Fundamentals of Dairy Chemistry has always been a reference text which has attempted to provide a complete treatise on the chemistry of milk and the relevant research. The third edition carries on in that format which has proved successful over four previous editions (Fundamentals of Dairy Science 1928, 1935 and Fundamentals of Dairy Chemistry 1965, 1974). Not only is the material brought up-to-date, indeed several chapters have been completely re-written, but attempts have been made to streamline this edition. In view of the plethora of research related to dairy chemistry, authors were asked to reduce the number of references by eliminating the early, less significant ones. In addition, two chapters have been replaced with subjects which we felt deserved attention: "Nutritive Value of Dairy Foods" and "Chemistry of Processing. " Since our society is now more attuned to the quality of the food it consumes and the processes necessary to preserve that quality, the addition of these topics seemed justified. This does not minimize the importance of the information in the deleted chapters, "Vitamins of Milk" and "Frozen Dairy Products. " Some of the material in these previous chapters has been incorporated into the new chapters; furthermore, the information in these chapters is available in the second edition, as a reprint from ADSA (Vitamins in Milk and Milk Products, November 1965) or in the many texts on ice cream manufacture.

Nanotechnology, Volume 46, the latest release in the Methods in Microbiology series, contains review articles on the application of nanotechnology in various fields of microbiology, including environmental microbiology, food microbiology and medical microbiology. Chapters in this new release include discussions on the Biosynthesis of Nanomaterials Utilizing Biomacromolecules, Nanotechnology in Medical Biology – Application of Nanodiagnostics in Infectious Diseases, Applications of Nanotechnology in Food Microbiology, Biosynthesis of Nanomaterials Utilizing Microorganisms, Nanotechnology in Medical Biology – Interaction of Pathogens and Nanostructured Surfaces, Biocompatible Polymers: Synthesis Methods, Surface Functionalization and its Biomedical Applications, and The Bacterial Flagellum. Written by experts in the field of microbiology from all over the world Contains high quality illustrations to enhance learning Provides a comprehensive review of the literature in the area of nanotechnology

This second edition Encyclopedia supplies nearly 350 gold standard articles on the methods, practices, products, and standards influencing the chemical industries. It offers expertly written articles on technologies at the forefront of the field to maximize and enhance the research and production phases of current and emerging chemical manufacturing practices and techniques. This collecting of information is of vital interest to chemical, polymer, electrical, mechanical, and civil engineers, as well as chemists and chemical researchers. A complete reconceptualization of the classic reference series the Encyclopedia of Chemical Processing and Design, whose first volume published in 1976, this resource offers extensive A-Z treatment of the subject in five simultaneously published volumes, with comprehensive indexing of all five volumes in the back matter of each tome. It includes material on the design of key unit operations involved with chemical processes; the design, unit operation, and integration of reactors and separation systems; process system peripherals such as pumps, valves, and controllers; analytical techniques and equipment; and pilot plant design and scale-up criteria. This reference contains well-researched sections on automation, equipment, design and simulation, reliability and maintenance, separations technologies, and energy and environmental issues. Authoritative contributions cover chemical processing equipment, engineered systems, and laboratory apparatus currently utilized in the field. It also presents expert overviews on key engineering science topics in property predictions, measurements and analysis, novel materials and devices, and emerging chemical fields. ALSO AVAILABLE ONLINE This Taylor & Francis encyclopedia is also available through online subscription, offering a variety of extra benefits for both researchers, students, and librarians, including: Citation tracking and alerts Active reference linking Saved searches and marked lists HTML and PDF format options Contact Taylor and Francis for more information or to inquire about subscription options and print/online combination packages. US: (Tel) 1.888.318.2367; (E-mail) e-reference@taylorandfrancis.com International: (Tel) +44 (0) 20 7017 6062; (E-mail) online.sales@tandf.co.uk

Ligand Substitution Processes

Principles and Applications in Biological Sciences

Metal Nanoparticles in Microbiology

Concise Physical Chemistry

Theoretical Models and Experimental Approaches in Physical Chemistry

Atkins' Physical Chemistry: Molecular Thermodynamics and Kinetics is designed for use on the second semester of a quantum-first physical chemistry course. Based on the hugely popular Atkins' Physical Chemistry, this volume approaches molecular thermodynamics with the assumption that students will have studied quantum mechanics in their first semester. The exceptional quality of previous editions has been built upon to make this new edition of Atkins' Physical Chemistry even more closely suited to the needs of both lecturers and students. Re-organised into discrete 'topics', the text is more flexible to teach from and more readable for students. Now in its eleventh edition, the text has been enhanced with additional learning features and maths support to demonstrate the absolute centrality of mathematics to physical chemistry. Increasing the digestibility of the text in this new approach, the reader is brought to a question, then the math is used to show how it can be answered and progress made. The expanded and redistributed maths support also includes new 'Chemist's toolkits' which provide students with succinct reminders of mathematical concepts and techniques right where they need them. Checklists of key concepts at the end of each topic add to the extensive learning support provided throughout the book, to reinforce the main take-home messages in each section. The coupling of the broad coverage of the subject with a structure and use of pedagogy that is even more innovative will ensure Atkins' Physical Chemistry remains the textbook of choice for studying physical chemistry.

Following an introduction to biogenic metal nanoparticles, this book presents how they can be biosynthesized using bacteria, fungi and yeast, as well as their potential applications in biomedicine. It is shown that the synthesis of nanoparticles using microbes is eco-friendly and results in reproducible metal nanoparticles of well-defined sizes, shapes and structures. This biotechnological approach based on the process of biomineralization exploits the effectiveness and flexibility of biological systems. Chapters include practical protocols for microbial synthesis of nanoparticles and microbial screening methods for isolating a specific nanoparticle producer as well as reviews on process optimization, industrial scale production, biomolecule-nanoparticle interactions, magnetosomes, silver nanoparticles and their numerous applications in medicine, and the application of gold nanoparticles in developing sensitive biosensors.

Metal-Organic Frameworks for Biomedical Applications is a comprehensive, authoritative reference that offers a substantial and complete treatment of published results that have yet to be critically reviewed. It offers a summary of current research and provides in-depth understanding of the role of metal-organic frameworks in biomedical engineering. The title consists of twenty-two chapters presented by leading international researchers in the field. Chapters are arranged by target-application in biomedical engineering, allowing medical and pharmaceutical specialists to translate current materials and engineering science on metal-organic frameworks into their work. Presents the state-of-the-art in metal-organic frameworks for biomedical applications Offers comprehensive treatment of metal-organic frameworks that is useful to pharmaceutical and medical experts who are non-specialists in materials science Helps materials scientists and engineers understand the needs of biomedical engineering Critically-reviews published results and current research in the field

Metal-Organic Frameworks for Biomedical Applications

DNA Engineered Noble Metal Nanoparticles

Fundamentals and State-of-the-Art of Nanobiotechnology

Chemistry For JEE-Main | JEE-Main & Advanced (Organic, Physical, Inorganic) Medium - English

PHYSICAL CHEMISTRY (For Graduate Students)

Written primarily to meet the requirements of students at the undergraduate level, this book aims for a self-learning approach. The fundamentals of physical chemistry have been explained with illustrations, diagrams, tables, experimental techniques and solved problems.

This book is a physical chemistry textbook that presents theessentials of physical chemistry as a logical sequence from itsmost modest beginning to contemporary research topics. Many bookscurrently on the market focus on the problem sets with a cursorytreatment of the conceptual background and theoretical material,whereas this book is concerned only with the conceptual developmentof the subject. Comprised of 19 chapters, the book willaddress ideal gas laws, real gases, the thermodynamics of simplesystems, thermochemistry, entropy and the second law, the Gibbsfree energy, equilibrium, statistical approaches to thermodynamics,the phase rule, chemical kinetics, liquids and solids, solutionchemistry, conductivity, electrochemical cells, atomic theory, wavemechanics of simple systems, molecular orbital theory, experimentaldetermination of molecular structure, and photochemistry and thetheory of chemical kinetics.

This book on EngineeringChemistry has been entirely rewritten in order to make it up-to-date andmodern, both in approach and content. All diagrams have been redrawn or replacedby new ones. To meet the requirements of the latest syllabi of the variousuniversities of India, topics like transition metals, coordination compounds,crystal field theory, gaseous and liquid states, adsorption, flame photometry,fullerenes, composites, mechanism of some typical reactions, oils and fats,soaps and detergents, have been included or expanded upon. A largenumber of solved numerical examples drawn from various university examinationshave been given at the end of theoretical part of each chapter. Questions havebeen drawn from latest examinations of various universities.

Nanotechnology

Encyclopedia of Chemical Processing (Online)

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Chitosan in Drug Delivery

Research Methodology and Practical Methods

This new volume presents an up-to-date review of modern materials and physical chemistry concepts, issues, and recent advances in the field. It presents a modern theoretical and experimental approach in applied physical chemistry. The volume discusses the developments of advanced chemical products and respective tools to characterize and predict the chemical material properties and behavior. With chapters from distinguished scientists and engineers from key institutions worldwide, the volume provides understanding through numerous examples and practical applications drawn from research and development chemistry. It emphasizes the intersection of chemistry, math, physics, and the resulting applications across many disciplines of science and explores applied physical chemistry principles in specific areas. At the same time, each topic is framed within the context of a broader more interdisciplinary approach, demonstrating its relationship and interconnectedness to other areas. This new book fills a gap within modeling texts, focusing on applications across a broad range of disciplines, and presents information on many important problems in physical chemistry. These investigations are accompanied by real-life applications in practice.

After the drug discovery and development process, designing suitable formulations to safely deliver the optimum dose, while avoiding side effects, has been a constant challenge, especially when drugs are very toxic and have poor solubility and undesirable clearance profiles. With recent advances in synthetic technologies, nanoparticles can be custom-made from a variety of advanced materials to mimic the bioenvironment and can be equipped with various targeting and imaging moieties for site-specific delivery and real-time imaging. Drug Delivery Using Nanomaterials covers advancements in the field of nanoparticle-based drug-delivery systems, along with all the aspects needed for a successful and marketable nanoformulation. FEATURES Offers a general overview of the entire process involved in the synthesis and characterization of pharmaceutical nanoparticles Covers a broad range of synthetic materials for developing nanoformulations customized for specific disease states, target organs, and drugs Every chapter sequentially builds, providing a progressive pathway from classical nanoparticles to the more advanced to be used as a full drug product by consumers Provides information in a bottom-up manner in that definitions and explanations of relevant background information serve as a framework for understanding advanced concepts This user-friendly reference is aimed at materials engineers, chemical engineers, biomedical engineers, pharmaceutical scientists, chemists, and others working on advanced drug delivery, from academia as well as industry.

The use of copper, silver, gold and platinum in jewelry as a measure of wealth is well known. This book contains 19 chapters written by international authors on other uses and applications of noble and precious metals (copper, silver, gold, platinum, palladium, iridium, osmium, rhodium, ruthenium, and rhenium). The topics covered include surface-enhanced Raman scattering, quantum dots, synthesis and properties of nanostructures, and its applications in the diverse fields such as high-tech engineering, nanotechnology, catalysis, and biomedical applications. The basis for these applications is their high-free electron concentrations combined with high-temperature stability and corrosion resistance and methods developed for synthesizing nanostructures. Recent developments in all these areas with up-to-date references are emphasized.

Principles and Applications in Radiation Oncology

Indian Journal of Chemistry

Physical Chemistry

Fundamentals of Dairy Chemistry

Properties, Nanoscale Effects and Applications

Rapid advances in nanotechnology have enabled the fabrication of nanoparticles from various materials with different shapes, sizes, and properties, and efforts are ongoing to exploit these materials for practical clinical applications. Nanotechnology is particularly relevant in the field of oncology, as the leaky and chaotic vasculature of tumors—a hallmark of unrestrained growth—results in the passive accumulation of nanoparticles within tumors. Cancer Nanotechnology: Principles and Applications in Radiation Oncology is a compilation of research in the arena of nanoparticles and radiation oncology, which lies at the intersection of disciplines as diverse as clinical radiation oncology, radiation physics and biology, nanotechnology, materials science, and biomedical engineering. The book provides a comprehensive, cross-disciplinary survey of basic principles,

research techniques, and outcomes with the goals of eventual clinical translation. Coverage includes A general introduction to fabrication, preferential tumor targeting, and imaging of nanoparticles The specific applications of nanomaterials in the realms of radiation therapy, hyperthermia, thermal therapy, and normal tissue protection from radiation exposure Outlooks for future research and clinical translation including regulatory issues for ultimate use of nanomaterials in humans Reflecting profound advances in the application of nanotechnology to radiation oncology, this comprehensive volume demonstrates how the unique physicochemical properties of nanoparticles lead to novel strategies for cancer treatment and detection. Along with various computational and experimental techniques, each chapter highlights the most promising approaches to the use of nanoparticles for radiation response modulation.

Essentials of Physical Chemistry is a classic textbook on the subject explaining fundamentals concepts with discussions, illustrations and exercises. With clear explanation, systematic presentation, and scientific accuracy, the book not only helps the students clear misconceptions about the basic concepts but also enhances students' ability to analyse and systematically solve problems. This bestseller is primarily designed for B.Sc. students and would equally be useful for the aspirants of medical and engineering entrance examinations.

This go-to text provides information and insight into physical inorganic chemistry essential to our understanding of chemical reactions on the molecular level. One of the only books in the field of inorganic physical chemistry with an emphasis on mechanisms, it features contributors at the forefront of research in their particular fields. This essential text discusses the latest developments in a number of topics currently among the most debated and researched in the world of chemistry, related to the future of solar energy, hydrogen energy, biorenewables, catalysis, environment, atmosphere, and human health.

Drug Delivery Using Nanomaterials

Pakistan Journal of Scientific Research

Sources, Impacts and Management

Thermodynamics for Chemists

Recent Advances in Nanophotonics

Chitosan in Drug Delivery provides thorough insights into chitosan chemistry, collection, chemical modifications, characterization and applications in the pharmaceutical industry and healthcare fields. The book explores molecular weight, degree of deacetylation and molecular geometry, emphasizing recent advances in the field as written by academic, industry and regulatory scientists. It will be a useful resource for pharmaceutical scientists, including industrial pharmacists, analytical scientists, postgraduate students, health care professionals and regulatory scientists actively involved in pharmaceutical product and process development in natural polymers containing drug delivery. Provides methodologies for the design, development and selection of chitosan in drug delivery for particular therapeutic applications

Includes illustrations demonstrating the mechanism of biological interaction of chitosan Discusses the regulatory aspects and demonstrates the clinical efficacy of chitosan

There is a growing interest in the use of nanoparticles modified with DNAs, viruses, peptides and proteins for the rational design of nanostructured functional materials and their use in biosensor applications. The challenge is to control the organization of biomolecules on nanoparticles while retaining their biological activity as potential chemical and gene therapeutics. These noble metal nanoparticles/biomolecules conjugates have specific properties and therefore they are attractive materials for nanotechnology in biochemistry and medicine. In this book, the author review work performed dealing with the DNA structure and functionalities, interactions between DNA, noble metal nanoparticles, surface active agents, solvents and other additives. Particular attention is given to how the DNA's chain length and the DNA conformation affect the interaction and structure of the nanoconjugates and nanostructures that are formed. Also discussed are the recent advances in the preparation, characterization, and applications of noble metal nanoparticles that are conjugated with DNA aptamers and oligomers. The advantages and disadvantages of functionalized nanoparticles through various detection modes are highlighted, including colorimetry, fluorescence, electrochemistry, SPR, and, mass spectrometry for the detection of small molecules and biomolecules. The functionalized noble metal nanoparticles are selective and sensitive for the analytes, showing their great potential in biosensing. Furthermore, this book reviews recent progress in the area of DNA-noble metal nanoparticles based artificial nanostructures, that is, the preparation, collective properties, and applications of various DNA-based nanostructures are also described.

The book, name Physical Chemistry has been written for the students of B.Sc. at different Universities of India, is mainly for examination oriented text book for those, who wants to achieve good concept and good results in their academic examinations, which makes capable to enroll into the Postgraduation courses also

Cancer Nanotechnology

Indian Books in Print

Essentials of Physical Chemistry

Journal of Bangladesh Academy of Sciences

Physical ChemistryPHYSICAL CHEMISTRY (For Graduate Students)Booksclinic Publishing

The Series The new book series "Nanomaterials for the Life Sciences," successor to the highly acclaimed series "Nanotechnology for the Life Sciences," provides an in-depth overview of all nanomaterial types and their uses in the life sciences. Each volume is dedicated to a specific material class and covers fundamentals, synthesis and characterization strategies, structure-property relationships and biomedical applications. The new series brings nanomaterials to the life scientists and life science to the materials scientists so that synergies are seen and developed to the fullest. Written by international experts of various facets of this exciting field of research, the ten volumes of this single source of information comprehensively cover the complete range of nanomaterials for medical, biological and cybernetic applications. The series is aimed at scientists of the following disciplines: biology, chemistry, materials science, physics, bioengineering, and medicine, together with cell biology, biomedical engineering, pharmaceutical chemistry, and toxicology, both in academia and fundamental research as well as in pharmaceutical companies. Volume 3: Mixed Metal Nanomaterials Volume 3 covers the aspects of synthesis, characterization and application of bimetallic and multielemental spherical and anisotropic nanomaterials in the life sciences. For more information on NmLS, please visit www.NmLS.wiley-vch.de

This comprehensive volume covers recent studies into agricultural problems caused by soil and water contamination. Considering the importance of agricultural crops to human health, the editors have focused on chapters detailing the negative impact of heavy metals, excessive chemical fertilizer use, nutrients, pesticides, herbicides, insecticides, agricultural wastes and toxic pollutants, among others, on agricultural soil and crops. In addition, the chapters offer solutions to these negative impacts through various scientific approaches, including using biotechnology, nanotechnology, nutrient management strategies, biofertilizers, as well as potent PGRs and elicitors. This book serves as a key source of information on scientific and engineered approaches and challenges for the bioremediation of agricultural contamination worldwide. This book should be helpful for research students, teachers, agriculturalists, agronomists, botanists, and plant growers, as well as in the fields of agriculture, agronomy, plant science, plant biology, and biotechnology, among others. It serves as an excellent reference on the current research and future directions of contaminants in agriculture from laboratory research to field application.

Bangladesh Journal of Scientific and Industrial Research

Contaminants in Agriculture

Atkins' Physical Chemistry 11e

Publisher's Monthly

Indian National Bibliography

This book gathers the latest insights into soil health and its sustainability, providing an up-to-date overview of the various aspects of soil quality and fertility management, e.g., plant-microbe interactions to maintain soil health; and the use of algal, fungal and bacterial fertilizers and earthworms for sustainable soil health and agricultural production. It first discusses the past, present, and future scenarios of soil health, and then explores factors influencing soil health, as well as the consequences of degradation of soil health for sustainable agriculture. Lastly it highlights solutions to improve and maintain soil health so as to achieve greater productivity and sustainability without damaging the soil system or the environment. Soil health is defined as the capacity of a soil to function within ecosystem frontiers, to sustain biological productivity, to maintain environmental quality and to promote plant, animal and human health. Soil health is established through the interactions of physical, chemical and biological properties, e.g., soil texture, soil structure, and soil organisms. Healthy soil provides adequate levels of macro- and micronutrients to plants and contains sufficient populations of soil microorganisms. As a result of the increasingly intensified agriculture over the past few decades, soils are now showing symptoms of exhaustion and stagnating or declining crop yields. Exploring these developments as well as possible solutions based on holistic and sustainable approaches, this book is a valuable resource for researchers in the area of soil and environmental science, agronomy, agriculture, as well as students in the field of botany, ecology and microbiology.

PREFACE. THE Author of this very practical treatise on Scotch Loch - Fishing desires clearly that it may be of use to all who had it. He does not pretend to have written anything new, but to have attempted to put what he has to say in as readable a form as possible.

Everything in the way of the history and habits of fish has been studiously avoided, and technicalities have been used as sparingly as possible. The writing of this book has afforded him pleasure in his leisure moments, and that pleasure would be much increased if he knew that the perusal of it would create any bond of sympathy between himself and the angling community in general. This section is interleaved with blank sheets for the readers notes. The Author need hardly say that any suggestions addressed to the case of the publishers, will meet with consideration in a future edition. We do not pretend to write or enlarge upon a new subject. Much has been said and written-and well said and written too on the art of fishing but loch-fishing has been rather looked upon as a second-rate performance, and to dispel this idea is one of the objects for which this present treatise has been written. Far be it from us to say anything against fishing, lawfully practised in any form but many pent up in our large towns will bear us out when me say that, on the whole, a days loch-fishing is the most convenient. One great matter is, that the loch-fisher is depend- ent on nothing but enough wind to curl the water, -and on a large loch it is very seldom that a dead calm prevails all day, -and can make his arrangements for a day, weeks beforehand whereas the stream- fisher is dependent for a good take on the state of the water and however pleasant and easy it may be for one living near the banks of a good trout stream or river, it is quite another matter to arrange for a days river-fishing, if one is looking forward to a holiday at a date some weeks ahead. Providence may favour the expectant angler with a good day, and the water in order but experience has taught most of us that the good days are in the minority, and that, as is the case with our rapid running streams, -such as many of our northern streams are, -the water is either too large or too small, unless, as previously remarked, you live near at hand, and can catch it at its best. A common belief in regard to loch-fishing is, that the tyro and the experienced angler have nearly the same chance in fishing, -the one from the stern and the other from the bow of the same boat. Of all the absurd beliefs as to loch-fishing, this is one of the most absurd. Try it. Give the tyro either end of the boat he likes give him a cast of ally flies he may fancy, or even a cast similar to those which a crack may be using and if he catches one for every three the other has, he may consider himself very lucky. Of course there are lochs where the fish are not abundant, and a beginner may come across as many as an older fisher but we speak of lochs where there are fish to be caught, and where each has a fair chance. Again, it is said that the boatman has as much to do with catching trout in a loch as the angler. Well, we dont deny that. In an untried loch it is necessary to have the guidance of a good boatman but the same argument holds good as to stream-fishing...

Handbook of Internal Migration in India is an inter-disciplinary, multi-faceted and thought-provoking book on internal migrants and their dynamics among the states in India. The first of its kind, this handbook provides novel information on processes, trends, determinants, differentials and dynamics of internal migration and its inter-linkages with individuals, families, economy and society. Most of the chapters have been written by scholars of repute who have spent their lifetime working on migration and the factors associated with it. This handbook is an attempt to address the lacunae in internal migration studies using both big data, such as Indian censuses, National Sample Surveys, India Human Development Surveys and Kerala Migration Surveys, and micro-level data collected by enthusiastic researchers in most parts of India to explore the unknown facets of internal migration. This book employs interdisciplinary and mixed methods to examine issues such as climate change, gender, urbanization, caste/tribe, religion, politics and emergence of migration policies. It addresses the crucial question as to why temporary and short-term migration continues to be an important livelihood strategy for millions of migrants thereby having an everlasting impact on the sociopolitical and economic structure of the country.

International Books in Print

Physical Inorganic Chemistry

Fundamentals and Applications

Mixed Metal Nanomaterials