

Icar Handbook Of Animal Husbandry

Veterinary Pharmacology and Therapeutics, Tenth Edition is a fully updated and revised version of the gold-standard reference on the use of drug therapy in all major veterinary species. Provides current, detailed information on using drug therapies in all major domestic animal species Organized logically by drug class and treatment indication, with exhaustive information on the rational use of drugs in veterinary medicine Includes extensive tables of pharmacokinetic data, products available, and dosage regimens Adds new chapters on pharmaceuticals, ophthalmic pharmacology, food animal pharmacology, and aquatic animal pharmacology Includes access to a companion website with the figures from the book in PowerPoint

The present title Encyclopaedia of Genetics is an exciting, and dynamic branch of science and offers the finest approach to teaching genetics through the integration of the molecular and chemical subdisciplines. It prepares the students to learn to formulate genetic hypothesis and apply critical thinking skill necessary for problem solving, while also gaining a sense of the social and historical context in which genetics has developed. This text also has a completely novel way to illustrate the one or two experiments in each chapter that are rigorously examined according to the scientific method. It starts with the premise that the syllabus for a university course in genetics should reflect the major research issues of the new millennium rather than those topics that were in vogue during the last decades of nineteenth century. The text covers both the basic and practical aspects of Genetics. Fundamental knowledge is developed within the context of applied relevance. Principles are supplemented with examples. This is done to maintain student interest, which is essential for learning any subject. Volume Details: 1. Genetic Material and Analysis; 2. Physical Basis of Inheritance; 3. Chemical Basis of Inheritance; 4. Origin and Evolution of Genetics; 5. Population Genetics.

The book covers all basic and essential informations on General Surgery, Regional Surgery, and Operative Surgery needed for the B.V. Sc. and A.H. students and practising veterinary surgeons. This book is a textbook for veterinary students and a ready-reference book for practising veterinary surgeons. Postgraduate students have found it useful to refresh their memory and to make a quick review of the subject. Contents: General Surgery / Regional Surgery / Operative Surgery / Appendices / Objective-Type Questions / References / Index

Emerging Issues in Agribusiness Management in India

Handbook of Veterinary Obstetrics

Livestock Production Management

For ICAR-PG Entrance Examination

Facts and Figures for Farmers, Students and All Engaged Or Interested in Animal Husbandry

This book is a compendium of papers presented in the 'International Conference on Emerging Global Economic Situation: Impact on Trade and Agribusiness in India'. The book is structured in four parts with thirty four papers. The first part discusses the aspects related to Crop Production and Agriculture Growth, while second part highlights the issues related to Agriculture Marketing and Prices in India. The third part of book presents the important issues related to Credit Income Insurance in India and last part presents innovation and Factors Influencing Sector. This book will be very useful for all those who are interested in issues related to growth of agriculture and allied sectors in our country.

Antimicrobial Resistance in Agriculture: Perspective, Policy and Mitigation is a valuable industrial resource that addresses complex, multi-factorial topics regarding farm, wild, companion animals, fish, and how the environment plays an important role in amplification and transmission of resistant bugs into the human food chain. Information of phenotypical and genotypical properties of each bacterial genus associated with antimicrobial resistance, transmission dynamics from different reservoirs (food animals, poultry, fishes) and control measures with alternative therapy, such as phytobiotics and nanomaterials are provided. Researchers, scientists and practitioners will find this an essential resource on the judicious use of antibiotics in animals and humans. Explores all the genera of livestock and fish originated pathogenic bacteria associated with antimicrobial resistance Presents cutting-edge research on epigenetics, nanotechnology and intervention technologies Discusses transmission dynamics of resistance gene pools from different reservoirs, including food animals, poultry, fishes and the environment

This book is a compilation of writings focused on conventional and unconventional insect products. Some of these products are commercial successes, while others are waiting to be launched and are the potential produce of the future. In addition to the well known products honey, mulberry silk, and lac, the book primarily concentrates on silk producing insects other than the mulberry silkworm, insects as food, as sources of medicines, pest and weed managers, and as pollinators. The book highlights the all pervasive role of insects in improving human lives at multiple levels. Accordingly, while most books on insects concentrate on how to limit growth in their population, it instead focuses on how to propagate them. In each chapter, the book brings to the fore how insects are far more beneficial to us than their well publicised harmful roles. This book approaches both unconventional and conventional insect products, such as honey, silk and lac in much more depth than the available literature. It investigates different aspects of the production of these insects, such as the related processes, problems and utilities, in dedicated chapters. Because this book deals with the production of insects or their produce, it has been named Industrial Entomology, perhaps the only book that truly reveals the tremendous potential of insects to help humans live better lives. Based on the research and working experience of the contributors, who are global experts in their respective fields, it provides authentic,

authoritative and updated information on these topics. The book offers a unique guide for students, teachers, policy planners, small scale industrialists, and government ministries of agriculture and industry across the globe. It will provide a much required stimulus to insect appreciation and generate enthusiasm for research and the broader acceptance for insect produce. Hopefully, it will also present the Indian perspective on these topics to a global readership.

Handbook of Agriculture

BUFFALO FARMING in Solapur District

Wool Fiber Reinforced Polymer Composites

Agriculture Science a complete study package

Indian Books in Print

Wool Fiber Reinforced Polymer Composites is an in-depth and practical exploration of wool-based composites, covering everything from the morphology of wool fiber to the industrial applications of wool composites. Wool has emerged in the top position for this role because of its unique characteristics. While fine wool is too costly for many such applications, coarse wool of greater than 35 microns fiber length is globally under-utilized. This pioneering book describes every form of wool composite, woven, nonwoven, felt and fiber, including different fabrication methods. In unique detail, the international team of expert contributors describe the morphology, structure and properties of wool, methods for the chemical modification of wool, different forms of wool-polymer composites, and many exciting emerging applications. Provides technical details on a wide range of applications of wool-fiber polymer composites, including in construction and medicine Draws on an interdisciplinary panel of experts from fields such as textiles, polymer science and chemistry to create a guide for readers of all backgrounds Describes wool characterization techniques in detail This book provides essential information on methodologies for recording electrocardiograms in various animal species, including dogs, cats, cattle, buffaloes, sheep, goats, mithun, chelonians, snakes, avians, equines, rabbits, and the Indian gray mongoose. It also reviews the electrocardiographic physiology, generation of electrocardiograms, and normal criteria for various animal species; electrocardiograms in health and disease; and the interpretation of abnormal electrocardiograms, cardiomyopathy and arrhythmias, with corresponding treatment protocols. Further, it presents several approaches to interpreting the electrocardiograms of dogs, cats, ruminants, tortoises, pigeons, and other animals, offering a valuable resource for all veterinary students, scientists, and physicians wanting to make greater use of this valuable non-invasive tool in the diagnosis of heart diseases and general health examinations.

With reference to India.

Perspective, Policy and Mitigation

Promoting Socio-Economic Development through Business Integration

Statistical Procedures for Agricultural Research

Industrial Entomology

Hand Book of Animal Husbandry

Set includes revised editions of some issues.

2011 Updated Reprint. Updated Annually. India Export-Import and Trade Business Opportunities Handbook

Handbook of Animal Husbandry Handbook of Animal Husbandry Hand Book of Animal Husbandry Handbook of Animal Husbandry Handbook of Animal Husbandry Handbook of Animal

Husbandry Facts and Figures for Farmers, Students and All Engaged Or Interested in Animal Husbandry A Textbook of Animal Husbandry Oxford and IBH Publishing

Quality Milk Production and Processing Technology

Clinical Examination of Farm Animals

Antimicrobial Resistance in Agriculture

The Indian Veterinary Journal

Food Policy for Developing Countries

Developing economies around the world must balance fast growth with traditional values to achieve the greatest success. Issues related to rural innovation, knowledge management, and emerging technologies are at the forefront of every developing country's concerns. Promoting Socio-Economic Development through Business Integration builds on available literature in the field of socio-economic development in developing countries, providing further research opportunities in this field. Research scholars, academics, policymakers, government officials, and more will find this book to be a crucial source of knowledge to their respective disciplines.

Here in one easy-to-understand volume are the statistical procedures and techniques the agricultural researcher needs to know in order to

design, implement, analyze, and interpret the results of most experiments with crops. Designed specifically for the non-statistician, this valuable guide focuses on the practical problems of the field researcher. Throughout, it emphasizes the use of statistics as a tool of research—one that will help pinpoint research problems and select remedial measures. Whenever possible, mathematical formulations and statistical jargon are avoided. Originally published by the International Rice Research Institute, this widely respected guide has been totally updated and much expanded in this Second Edition. It now features new chapters on the analysis of multi-observation data and experiments conducted over time and space. Also included is a chapter on experiments in farmers' fields, a subject of major concern in developing countries where agricultural research is commonly conducted outside experiment stations. Statistical Procedures for Agricultural Research, Second Edition will prove equally useful to students and professional researchers in all agricultural and biological disciplines. A wealth of examples of actual experiments help readers to choose the statistical method best suited for their needs, and enable even the most complicated procedures to be easily understood and directly applied. An International Rice Research Institute Book

Animals born with bones and muscles are meant to move. In modern systems of intensive agriculture, however, many animals -- notably, swine, veal calves, and poultry -- are rigorously confined. In this book Professor Bernard E. Rollin describes problems of animal welfare in today's agriculture, discusses the research that exists for improving these systems, and proposes topics for further study. Rollin urges animal producers and agricultural scientists to begin now to address welfare problems. He cites the biomedical research community, which ignored issues of pain control and animal welfare until public concern led to federal legislation. Promising work has already been done in Europe, where the public has demanded that livestock not suffer. A new social ethic in the United States calls for humane agricultural systems that meet the needs and natures of the animals we use. Striking a balanced and rational approach, Rollin's thoughtful text is valuable reading for animal producers, agricultural scientists, veterinarians, animal advocates, and the general public.

Agriculture Handbook

Veterinary Pharmacology and Therapeutics

Animal Husbandry

Handbook of Animal Husbandry

The revised edition is a real comprehensive integrated text to provide educational concepts and self study guide for students, researchers, teachers, livestock extension specialists and administrators interested in the study of Animal Husbandry. Contents: Taxonomy, Domestication and Animal Husbandry in India / An Introduction to Microbiology / Elementary Anatomy and Physiology / Animal Blood / Mechanisms of Reproduction / Mechanisms of Heredity / Animal Breeding / Artificial Insemination / Mammary Gland and Lactation / Animal Nutrition / Important Cattle Breeds and their Characteristics / Buffaloes / Dairy Farm Management / Pigs / Poultry / Goat / Sheep / Camel / Rabbit / Yak / Notes on Horse / Notes on Elephant

Despite technological advances in agriculture, nearly a billion people around the world still suffer from hunger and poor nutrition while a billion are overweight or obese. This imbalance highlights the need not only to focus on food production but also to implement successful food policies. In this new textbook intended to be used with the three volumes of Case Studies in Food Policy for Developing Countries (also from Cornell), the 2001 World Food Prize laureate Per Pinstrup-Andersen and his colleague Derrill D. Watson II analyze international food policies and discuss how such policies can and must address the many complex challenges that lie ahead in view of continued poverty, globalization, climate change, food price volatility, natural resource degradation, demographic and dietary transitions, and increasing interests in local and organic food production. Food Policy for Developing Countries offers a "social entrepreneurship" approach to food policy analysis. Calling on a wide variety of disciplines including economics, nutrition, sociology, anthropology, environmental science, medicine, and geography, the authors show how all elements in the food system function together.

UNIQUE FEATURES OF THE BOOK: Previous year question papers of ICAR-JRF 2016, 2015 & 2014 (memory based) along with explanations are included. MCQs and match the column type of questions according to the pattern of ICAR-JRF exam are included. Whole subject matter is simplified using tables, flowcharts and bullet format. One special topic "General awareness in the field of animal science" is also included. Important points are highlighted in bold letter. Numerical questions of animal genetics and breeding are included along with their solutions. This book covers entire syllabus of ICAR-PG entrance examination in a concise way.

Human Geography : the economy

Social, Bioethical, and Research Issues

Facts and Figures for Farmers, Students, and All Interested in Farming

India Export-Import and Trade Business Opportunities Handbook Volume 1 Strategic Information and Contacts

Heat Stress and Animal Productivity

Delivering clear and concise step-by-step instructions, VETERINARY CLINICAL PROCEDURES IN LARGE ANIMAL PRACTICE, 2e thoroughly addresses the most common clinical procedures performed on horses, cattle, sheep, llamas, goats, and pigs in large animal veterinary practice. Every procedure includes a stated purpose, a review of potential complications, a checklist of the equipment required, and step-by-step descriptions with corresponding rationale that not only explains what needs to be done, but why each action will lead toward a successful outcome for the patient. With the new inclusion of clinical procedures for sheep and the addition of current information related to each large animal considered, this edition seeks to fully prepare aspiring veterinary technicians and DVMs for the field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Dairying is an integral part of the diverse system of agriculture that prevails in India and therefore, plays a vital role in agricultural economy and food Production of the country. It provides essential food value in the form of milk and milk products to the millions of the country's inhabitants. Dairying is the major source of Income for the rural masses, as about 70% of the population comprises of small, marginal and br> Landless farmers who benefit directly from dairying activities. India has about 15% of the global cattle population, 56% of the world's buffalo population and accounts for 15-16% of the word's annual milk production. The growth in milk production is about 4%. India stands tall among the milk producing countries with an annual production of about 120 million metric tons, though the organized sector handles only about 30% of the total milk produced. The authors with their strengths of academics and research in the discipline of dairy technology have been involved in developing manpower for the dairy industry and imparting training at an Institute of National repute. This book is the result of their strong feeling of the need to compile information and integrate traditional and novel technologies that exist worldwide in the processing of liquid milk. The book has been organized in various chapters that include the history of dairy development in India, procurement and consumption pattern of milk, processing, quality assurance and packaging of fluid milk products and food safety laws. The authors hope that this work will serve the students of dairy technology in the country and also provide a ready reference to the teachers involved in shaping the human Resource needs of the Indian dairy industry.

Herbs and spices are among the most versatile ingredients in food processing, and alongside their sustained popularity as flavourants and colourants they are increasingly being used for their natural preservative and potential health-promoting properties. An authoritative new edition in two volumes, Handbook of herbs and spices provides a comprehensive guide to the properties, production and application of a wide variety of commercially-significant herbs and spices. Volume 1 begins with an introduction to herbs and spices, discussing their definition, trade and applications. Both the quality specifications for herbs and spices and the quality indices for spice essential oils are reviewed in detail, before the book goes on to look in depth at individual herbs and spices, ranging from basil to vanilla. Each chapter provides detailed coverage of a single herb or spice and begins by considering origins, chemical composition and classification. The cultivation, production and processing of the specific herb or spice is then discussed in detail, followed by analysis of the main uses, functional properties and toxicity. With its distinguished editor and international team of expert contributors, the two volumes of the new edition of Handbook of herbs and spices are an essential reference for manufacturers using herbs and spices in their products. They also provide valuable information for nutritionists and academic researchers. Provides a comprehensive guide to the properties, production and application of a wide variety of commercially-significant herbs and spices Begins with a discussion of the definition, trade and applications of herbs and spices Reviews the quality specifications for herbs and spices and examines the quality indices for spice essential oils

Animal Science Refresher

Veterinary Clinical Procedures in Large Animal Practices

Farm Animal Welfare

Essentials of Veterinary Surgery

ICAR Handbook

1. Master Guide Agriculture Science deals with the Agricultural Entrance exams 2. Covers various sections and makes a complete study package 3. Book is divided into 8 Units and total of 22 Chapters 4. Ample number of MCQs in each chapter 5. Latest question papers of various exams for practice 6. Equally useful for UPSC, State PSCs, ARS, JRF, NET & BHU covers Agriculture Science subject. Agriculture, being the main contributor to the Indian Economy, it serves as a backbone to the country. Even today, the source of livelihood of more than 65% country's population depends on it. With the increasing innovation in this sector, the opportunities are also increasing, attracting many students to opt for Agriculture Science as a full time career. Prepare yourself with the revised edition of "Master Guide Agriculture Science" that has been framed keeping in view the entrance exams conducted by the UPSC exams. Giving the complete coverage to the syllabus, this book is divided in 22 Chapters categorized under 8 Units. Theories given in every chapter helps students to know the concepts clearly. To mark your preparation on point, this guide provides Solved Papers of FSO, AAO and BHU M.Sc. for practice. The book will be equally useful for UPSC, State PSCs, ARS, JRF, NET & BHU which covers the subject of Agriculture Science. As the book contains ample number study as well as practice material, it for sure will help the aspirants score high in the upcoming examinations. TABLE OF CONTENT UNIT - 1: Agriculture Science, UNIT - 2: Gardening, UNIT - 3: Genetics and Plant Breeding, UNIT - 4: Soil Science and Fertility and Fertilizers, UNIT - 5: Plant and Pathology and Entomology, UNIT - 6: Agriculture Extension and Agriculture Economics, UNIT - 7: Agriculture Statistics, UNIT - 8: Animal Science and Dairy Science, Glossary, Question Papers: FSO, AAO, BHU M.Sc.

Contributed articles; with reference to India.

Comprehensive, practical, and easy-to-read, this unique handbook provides a clear guide to veterinary obstetrics in large and small domestic animals. A detailed description of normal birth helps readers immediately recognize abnormalities and provides a baseline against which dystocia and its treatment can be measured. The causes of dystocia encountered in each of the domestic species are described, with notes on some exotic species. Coverage also discusses the immediate care of the mother and offspring following delivery, as well as problems that occur post-parturition. Practical

guidance is provided for managing obstetric cases. Superb illustrations help readers understand problems and interventions. Advice is provided on pre-natal care and the prevention of dystocia. Common causes of dystocia are explained, species by species. Content has been thoroughly revised and updated - including new diagnostic techniques - to reflect the latest developments in veterinary obstetrics. Thorough information is provided on the drugs used in veterinary obstetrics. Greater detail has been added to information on dystocia in the ewe - including specific problems like ringwomb. An additional discussion has been added to dystocia in the dog and cat on the treatment of prolonged gestation and the management of the newly recognized condition of partial or incomplete abortion. Material has been added on the rabbit and the other less common species. Information on post parturient problems in large and small animals now includes content on the treatment of conditions like fluid therapy in small ruminants and eclampsia in the bitch. Discussions on the prevention of dystocia now address fetal monitoring and drug therapy for the induction of birth. A number of new illustrations give greater clarity to the text and emphasis to species like the sheep.

Program Aid

Handbook of Herbs and Spices

A Textbook of Animal Husbandry

Handbook of Fisheries and Aquaculture

Indian Farming

Dr. Anjali Aggarwal is working as a Senior Scientist at National Dairy Research Institute, Karnal (India). She holds a PhD degree in Animal Physiology and is involved in research and teaching at post-graduate level. Her area of research work is stress and environmental physiology. She has more than 50 publications, two technical bulletins, four manuals and many book chapters to her credit. She has successfully guided many post-graduate and PhD students. Her major research accomplishments are on microclimatic modification for alleviation of heat and cold stress, mist and fan cooling systems for cows and buffaloes, and use of wallowing tank in buffaloes. Her work involves the use of technology of supplementing micronutrients during dry period and early lactation to crossbred and indigenous cows for alleviating metabolic and oxidative stress and improved health and productivity. Studies are also done in her lab on partitioning of heat loss from skin and pulmonary system of cattle and buffaloes as a result of exercise or exposure to heat stress. Dr. R.C. Upadhyay is working as Head, Dairy Cattle Physiology Division at National Dairy Research Institute, Karnal (India). He graduated in Veterinary Sciences and obtained his PhD degree in Animal Physiology. His area of recent research is climate change, stress, and environmental physiology. His major research accomplishment is on climate change impact assessment of milk production and growth in livestock. His work also involves studying methane conversion and emission factors for Indian livestock and use of IPCC methodology of methane inventory of Indian livestock. Heat shock protein-70 expression studies in cattle and buffaloes are also done in his lab. Draught animal power evaluation, fatigue assessment, work-rest cycle and work limiting factors form the highlights of his work. Studies on partitioning of heat loss from skin and pulmonary system of cattle and buffaloes and electrocardiographic studies in cattle, buffalo, sheep and goat are also undertaken in his lab. He has more than 75 research papers, four books and several book chapters to his credit. Technologies developed and research done by him include methodology of methane measurement: open and closed circuit for cattle and buffaloes; inventory of methane emission from livestock using IPCC methodology; livestock stress index: thermal stress measurement based on physiological functions; and draught power evaluation system and large animal treadmill system. He received training in Radio-nuclides in medicine at Australian School of Nuclear Technology, Lucas heights, NSW, Australia in 1985 and Use of radioisotopes in cardiovascular investigations at CSIRO, Prospect, NSW, Australia, during 1985-86. He has guided several post-graduate and PhD students. He is recipient of Hari Om Ashram Award-1990 (ICAR) for outstanding research in animal sciences.

Clinical examination is a fundamental part of the process of veterinary diagnosis. Without a proficient clinical examination and an accurate diagnosis it is unlikely that the treatment, control, prognosis and welfare of animals will be optimised. This book will assist veterinary students in their understanding of farm animal clinical examination and act as a quick reference for clinicians who are called upon to examine an unfamiliar species. It will also provide a more detailed account for experienced clinicians in their continuing professional development. The authors provide a simple, explicit and reliable method of examining cattle, sheep, pigs and goats of all ages in the search for diagnostic information.

The Role of Government in Global, National, and Local Food Systems

Electrocardiography in Veterinary Medicine