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Film Technology in Post Production Mar 13 2021 An easy to follow, quick reference introductory guide for beginning professionals and students in filmmaking and postproduction. It explains all film laboratory procedures in the context of the wide range of technology that is used by filmmakers, explaining what happens and why at every stage. A technical understanding of film processing and printing, telecine and laboratory and digital processes will help you get the best results for your film. The book is particularly useful for those who have come to film making from other media - video or digital. The book is based on the author's own experience as a lab technician and technical film consultant and provides answers to many frequently asked questions. The different pathways for film production and postproduction are demonstrated as well as the function of the lab at each stage of the process. The complete range of services is offered, with particular emphasis on the often confusing requirements for super 16 and the blow up to 35mm, the intricacies of negative cutting to match a non-linear edit and the process of grading and regrading for the answer print. This new edition includes: * An update on all digital formats of image and sound * Revision sections on Super 16, Super 35 * Additional information on syncing rushes at telecine and to digital images * The latest telecine machines * A new, clear and simple glossary

Cocoa Production and Processing Technology Dec 10 2020 One of the largest food commodities exported from the developing countries to the rest of the world, cocoa has gained increasing attention on the global market—raising many questions about its quality, sustainability and traceability. Cocoa Production and Processing Technology presents detailed explanations of the technologies that could be employed to assure sustainable production of high-quality and safe cocoa beans for the global confectionary industry. It provides overviews of up-to-date technologies and approaches to modern cocoa production practices, global production and consumption trends as well as principles of cocoa processing and chocolate manufacture. The book covers the origin, history and taxonomy of cocoa, and examines the fairtrade and organic cocoa industries and their influence on smallholder farmers. The chapters provide in-depth coverage of cocoa cultivation, harvesting and post-harvest treatments with a focus on cocoa bean composition, genotypic variations and their influence on quality, post-harvest pre-treatments, fermentation techniques, drying, storage and transportation. The author provides details on cocoa fermentation processes as well as the biochemical and microbiological changes involved and how they influence flavour. He also addresses cocoa trading systems, bean selection and quality criteria, as well as industrial processing of fermented and dried cocoa beans into liquor, cake, butter and powder. The book examines the general principles of chocolate manufacture, detailing the various stages of the processes involved, the factors that influence the quality characteristics and strategies to avoid post-processing quality defects. This volume presents innovative techniques for sustainability and traceability in high-quality cocoa production and explores new product development with potential for cost reduction as well as improved cocoa bean and chocolate product quality.

Cement Production Technology Nov 20 2021 The book is an outcome of the author's active professional involvement in research, manufacture and consultancy in the field of cement chemistry and process engineering. This multidisciplinary title on cement production technology covers the entire process spectrum of cement production, starting from extraction and winning of natural raw materials to the finished products including the environmental impacts and research trends. The book has an overtone of practice supported by the back-up principles.

Tomato Production, Processing and Technology Oct 27 2019 A complete guide to the tomato industry, including over 50 full colour photos on tomato diseases and other vital elements. It is a book needed by all tomato and tomato products packers, growers and anyone involved or interested in packing, processing and production of tomatoes and tomato products.

Computer Applications in Production Engineering Sep 06 2020 This volume reviews the latest global research results in computer applications. The book contains a selection of papers presented at the Fifth International Conference on Computer Applications in Production and Engineering, arranged by the International Federation for Information Processing and held in Beijing, China in May 1995.

Production Technology Aug 30 2022 Production Technology: Processes, Materials, and Planning focuses on manufacturing processes used with metals and polymers, materials used in engineering, and production planning and cost accounting. The publication first takes a look at the forming processes of metals and polymers, including polymer materials, surface finishes, metal removal, cutting and grinding, powder technique, manipulative processes, and casting. The manuscript then examines assembly operations and automation. Topics include assembly processes for metals and plastics, assembly operations, robotics, numerical control of machine tools, computer-aided design, and computer-aided manufacture. The text ponders on the properties and structure of metals and structure of alloys. Discussions focus on solidification, precipitation, non-equilibrium conditions, plastic deformation of metals, cold working, cast and wrought products, effect of grain size on properties, and crystals. The publication then elaborates on ferrous alloys, non-metals, production planning and control, quality control, and work design. The manuscript is a vital reference for readers wanting to explore production technology.

Green Technologies in Food Production and Processing Nov 08 2020 This book will review the current status of the agriculture and agri-food sector in regard to green processing and provide strategies that can be used by the sector to enhance the use of environmentally-friendly technologies for production, processing. The book will look at the full spectrum from farm to fork beginning with chapters on life cycle analysis and environmental impact assessment of different agri-food sectors. This will be followed by reviews of current and novel on-farm practices that are more environmentally-friendly, technologies for food processing that reduce chemical and energy use and emissions as well as novel analytical techniques for R&D and QA which reduce solvent, chemical and energy consumption. Technologies for waste treatment, "reducing, reusing, recycling", and better water and energy stewardship will be reviewed. In addition, the last section of the book will attempt to look at technologies and processes that reduce the generation of process-induced toxins (e.g., trans fats, acrylamide, D-amino acids) and will address consumer perceptions about current and emerging technologies available to tackle these processing and environmental issues.

Future Trends in Production Engineering Oct 08 2020 To meet and adapt to the current and future trends and issues in technology and society, the science committee of The German Academic Society for Production Engineering (WGP) continues to define future topics for production technology. These themes represent not only the key focus for the scientific work of the WGP, but also the central themes of the first annual conference in June 2011, whose paper is publically available in this volume. Such themes, including electric mobility, medical technology, lightweight construction, and resource efficiency, as well as mass production ability have all been identified as future, large-scale, and long-term drivers of change. Future trends influence changes sustainably and fundamentally; they permeate society, technology, economics, and value systems and have an effect in virtually all areas of life. The WGP has, as part of its research, established for itself the goal of not only observing these emerging changes, but also of supervising and influencing their development in order to ensure steady progress, secure sustainability, and shape the future.

Crop Production Technologies For Sustainable Use and Conservation Sep 18 2021 Crop Production Technologies for Sustainable Use and Conservation: Physiological and Molecular Advances presents an abundance of research on important and new production technologies for the successful sustainable production of major crops. The volume covers most of the major crops used the production of food, sugar, and commercial fiber. With the focus on sustainability and conservation issues in crop production, the chapters present molecular and physiological research and innovations for increasing yield, quality, and safety while also taking into considering increasing demand, diminishing water and land resources, and the agricultural consequences of climate change on crop production. The major crops discussed

include wheat, mungbean, cotton, jute, sugarcane, eggplant, Solanum (such as potatoes and tomatoes), peppers, okra, fruits such as apples and pears, and more. The chapters report on new developments and research on production techniques related to various fertilizers, biosystematics and molecular biology of various crops, and building resistance to climatic change, including drought tolerance, salinity stresses, and more.

Production Technology Jun 03 2020

Peanut Agriculture and Production Technology Apr 13 2021 Peanut Agriculture and Production Technology: Integrated Nutrient Management focuses on agricultural techniques and integrated nutrient management of peanuts (*Arachis hypogaea* L.). Peanuts are the second most important oil crop of India, occupying 5.7 million hectares, with an average production of 0.8 ton/ha, which is 23.5% of the India's total oil seed production. Worldwide annual production of shelled peanuts was 42 million metric tons in 2014. It is the world's 4th most important source of edible oil and the 3rd most important source of vegetable protein. The volume includes basic and advanced information on production, agrotechniques, and integrated nutrient management of *Arachis hypogaea* L. crop plant. It studies the physiology of the peanut, looking at the proper environmental conditions for optimal growth as well as under various subnormal conditions. It explores the methods of nitrogen application as well as the influence of different sowing dates and population densities to harvest its full yield potential. The book covers methods to achieve balanced nutrition, including using organic manures in groundnut farming to enhance yielding ability. The book will be a rich resource for those in agriculture, horticulture, and allied sciences, particularly for agricultural scientists in plant and crop physiology, agronomy, and soil science. Farm owners and managers of peanut crops and production will also benefit from the information provided in this volume.

Integrative Production Technology for High-Wage Countries Dec 22 2021 Industrial production in high-wage countries like Germany is still at risk. Yet, there are many counter-examples in which producing companies dominate their competitors by not only compensating for their specific disadvantages in terms of factor costs (e.g. wages, energy, duties and taxes) but rather by minimising waste using synchronising integrativity as well as by obtaining superior adaptivity on alternating conditions. In order to respond to the issue of economic sustainability of industrial production in high-wage countries, the leading production engineering and material research scientists of RWTH Aachen University together with renowned companies have established the Cluster of Excellence "Integrative Production Technology for High-Wage Countries". This compendium comprises the cluster's scientific results as well as a selection of business and technology cases, in which these results have been successfully implemented into industrial practice in close cooperation with more than 30 companies of the industrial production sector.

Bioprocessing Technology for Production of Biopharmaceuticals and Bioproducts Jul 05 2020 Written for industrial and academic researchers and development scientists in the life sciences industry, *Bioprocessing Technology for Production of Biopharmaceuticals and Bioproducts* is a guide to the tools, approaches, and useful developments in bioprocessing. This important guide: • Summarizes state-of-the-art bioprocessing methods and reviews applications in life science industries • Includes illustrative case studies that review six milestone bio-products • Discusses a wide selection of host strain types and disruptive bioprocess technologies

Technology and Manufacturing Process Selection Aug 06 2020 This book provides specific topics intending to contribute to an improved knowledge on Technology Evaluation and Selection in a Life Cycle Perspectives. Although each chapter will present possible approaches and solutions, there are no recipes for success. Each reader will find his/her balance in applying the different topics to his/her own specific situation. Case studies presented throughout will help in deciding what fits best to each situation, but most of all any ultimate success will come out of the interplay between the available solutions and the specific problem or opportunity the reader is faced with.

Sustainable Production Technology in Food May 27 2022 Sustainable Production Technology in Food explores several important scientific and practical aspects related to sustainable technologies in food production in both the farm and industry contexts. The book contains 18 chapters that describe the current scenario of technological advances within the food production system, focusing on the context of sustainability and offering future perspectives for the sustainable production of food. Presents a comprehensive discussion around the multidisciplinary aspects of technological advances for sustainable food production Addresses the current relationship between food production and sustainability Closes the gap between the recent technological advances in sustainability by focusing on the food production system

Production Technology of Fruit Crops in Wasteland Jan 29 2020 This book includes comprehensive, latest and balanced information about waste lands, selection of fruit crops for waste lands and development through fruit cultivation in its first and second chapters. The third to twenty eighth chapters cover the scientific horticultural practices of growing fruit crops in the waste lands. These chapters give a detailed information about different aspects including origin, distribution, importance, soil and climatic conditions, propagation techniques, varieties, cultivation practices, crop protection measures, harvesting and post harvest management of different fruit crops for tropical, subtropical, arid and semi-arid areas. Appendices provide concise information about classification, edible part, propagation methods and nutritive values of different fruits. This book intends to serve the needs of students, extension workers, researchers and planners, as well.

Manufacturing Technology Aug 25 2019 Individuals who will be involved in design and manufacturing of finished products need to understand the grand spectrum of manufacturing technology. Comprehensive and fundamental, *Manufacturing Technology: Materials, Processes, and Equipment* introduces and elaborates on the field of manufacturing technology—its processes, materials, tooling, and equipment. The book emphasizes the fundamentals of processes, their capabilities, typical applications, advantages, and limitations. Thorough and insightful, it provides mathematical modeling and equations as needed to enhance the basic understanding of the material at hand. Designed for upper-level undergraduates in mechanical, industrial, manufacturing, and materials engineering disciplines, this book covers complete manufacturing technology courses taught in engineering colleges and institutions worldwide. The book also addresses the needs of production and manufacturing engineers and technologists participating in related industries.

Innovation in Music Dec 30 2019 *Innovation in Music: Performance, Production, Technology and Business* is an exciting collection comprising of cutting-edge articles on a range of topics, presented under the main themes of artistry, technology, production and industry. Each chapter is written by a leader in the field and contains insights and discoveries not yet shared. *Innovation in Music* covers new developments in standard practice of sound design, engineering and acoustics. It also reaches into areas of innovation, both in technology and business practice, even into cross-discipline areas. This book is the perfect companion for professionals and researchers alike with an interest in the Music industry. Chapter 31 of this book is freely available as a downloadable Open Access PDF under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license. https://tandfbis.s3-us-west-2.amazonaws.com/rt-files/docs/Open+Access+Chapters/9781138498211_oachapter31.pdf

Advances in Manufacturing III Jul 25 2019 This book reports on cutting-edge research and technology aimed at increasing the efficiency of production processes and to foster the implementation of Industry 4.0 solutions in manufacturing. Gathering peer-review contributions to the 7th International Scientific Technical Conference MANUFACTURING 2022, held in Poznan, Poland on May 16-19, 2022, it describes advanced engineering methods to optimize different stages and aspects of the production process, including product design, production scheduling, equipment maintenance and safety. It discusses the applications of augmented/virtual and mixed reality within the manufacturing industry and for education and training purposes, and highlights cutting-edge solutions for green and sustainable production. Offering a timely, practice-oriented reference guide for both researchers and practitioners in manufacturing, this book is also intended to contribute bridging the gap between university and industry, fostering a closer communication and cooperation between them.

Starch Production Technology Mar 01 2020

Potato Production, Processing and Technology Apr 01 2020 This compilation focuses on the events of growing, processing, quality control, color, as well as freezing, canning, chip, and dried production. This potato processing operations book, written in terms the nonprofessional plant worker will understand, is a must reference for all food processors, technologists, executives, students etc. as well as a valuable addition to the company technical reference library. Included are figures, tables and charts throughout the book.

A Textbook of Production Engineering Jan 23 2022 This is the revised edition of the book with new chapters to incorporate the latest developments in the field. It contains approx. 200 problems from various competitive examinations (GATE, IES, IAS) have been included. The author does hope that with this, the utility of the book will be further enhanced.

Handbook of Yarn Production Jul 17 2021 Written by one of the world's leading experts, *Handbook of yarn production: technology, science and economics* is an authoritative and comprehensive guide to textile yarn manufacturing. The book is designed to allow readers to explore the subject in various levels of detail. The first three chapters provide an overview of yarn production, products and key principles. The major part of the book then reviews in detail the production processes for short-staple, long-staple and filament yarns. There are also chapters on quality control and the economics of staple-yarn production. The final part of the book consists of a series of appendices which provide in-depth analysis of key topics with detailed technical data and worked examples which is an invaluable reference in itself for anyone concerned with the behaviour, performance and economics of a textile mill. *Handbook of yarn production: technology, science and economics* is a standard work for both yarn manufacturers and those researching and studying in this important area of the textile industry. A practical and authoritative new handbook for yarn manufacturing Shows how problems can arise and how to deal with them Includes invaluable technical

data, calculations, worked examples and case studies

Process Technology Jun 15 2021 Process Technology provides a general overview about chemical and biochemical process technology. It focuses on the structure and development of production processes, main technological operations and the important aspects of process economics. The theoretical foundations in each chapter are supplemented by case studies and examples in a clear and instructive manner to illustrate the practical aspects. The author highlights operating principles, reasons for application and available industrial equipment of technological operations. Aim is to facilitate those without a process technology background in multi-disciplinary cooperation with (bio-) chemical engineers by providing an overview of this exciting field. The textbook is organized into seven distinct parts: Structure of the chemical industry and (bio-) chemical processes (Bio-) Chemical reaction engineering Molecular separations (distillation, extraction, absorption, adsorption) Mechanical separations (filtration, sedimentation, membranes) Particle and final product manufacturing Development, scale-up, design and safety of processes Major industrial process descriptions

Advanced Manufacturing and Processing Technology Jun 23 2019 This book disseminates recent research, theories, and practices relevant to the areas of surface engineering and the processing of materials for functional applications in the aerospace, automobile, and biomedical industries. The book focuses on the hidden technologies and advanced manufacturing methods that may not be standardized by research institutions but are greatly beneficial to material and manufacturing industrial engineers in many ways. It details projects, research activities, and innovations in a global platform to strengthen the knowledge of the concerned community. The book covers surface engineering including coating, deposition, cladding, nanotechnology, surface finishing, precision machining, processing, and emerging advanced manufacturing technologies to enhance the performance of materials in terms of corrosion, wear, and fatigue. The book captures the emerging areas of materials science and advanced manufacturing engineering and presents recent trends in research for researchers, field engineers, and academic professionals.

Petroleum Production Engineering May 15 2021 Petroleum Production Engineering, Second Edition, updates both the new and veteran engineer on how to employ day-to-day production fundamentals to solve real-world challenges with modern technology. Enhanced to include equations and references with today's more complex systems, such as working with horizontal wells, workovers, and an entire new section of chapters dedicated to flow assurance, this go-to reference remains the most all-inclusive source for answering all upstream and midstream production issues. Completely updated with five sections covering the entire production spectrum, including well productivity, equipment and facilities, well stimulation and workover, artificial lift methods, and flow assurance, this updated edition continues to deliver the most practical applied production techniques, answers, and methods for today's production engineer and manager. In addition, updated Excel spreadsheets that cover the most critical production equations from the book are included for download. Updated to cover today's critical production challenges, such as flow assurance, horizontal and multi-lateral wells, and workovers Guides users from theory to practical application with the help of over 50 online Excel spreadsheets that contain basic production equations, such as gas lift potential, multilateral gas well deliverability, and production forecasting Delivers an all-inclusive product with real-world answers for training or quick look up solutions for the entire petroleum production spectrum

Agro-Product Processing Technology Sep 26 2019 Global food security is a challenging issue. Meeting the food and nutritional requirements of the world has become an issue for national policymakers and is of public concern. There is a need to enhance agricultural production, as well as, to reduce postharvest loss, improve the quality of processed products, and add value to products to make more quality food available. Agro-product processing technology plays a major role to reduce post-harvest losses, improve the quality of processed products, and add value to the products. It also generates employment and ultimately contributes to food security. Features: Covers a wide spectrum of agro-product processing technology Explains the principles and practices of agro-product processing technology with many worked examples to quickly teach the basic principles through examples Contains examples from different operations on current problems to show the wide applications of the principles of agro-product technology Includes process control and emerging technologies in agro-product processing such as energy and exergy analysis, neural network modeling, and CFD modeling This book deals with physical and thermal properties, cleaning and sorting, drying and storage, parboiling and milling, by-product utilization, heating and cooling, refrigerated cooling, and cold storage. The most unique feature of this book is the machine vision for grading fruits, process control and materials handling, and emerging technologies such as neural network, finite element, CFD, and genetic algorithm.

Biopharmaceutical Production Technology Apr 25 2022 Cost-effective manufacturing of biopharmaceutical products is rapidly gaining in importance, while healthcare systems across the globe are looking to contain costs and improve efficiency. To adapt to these changes, industries need to review and streamline their manufacturing processes. This two volume handbook systematically addresses the key steps and challenges in the production process and provides valuable information for medium to large scale producers of biopharmaceuticals. It is divided into seven major parts: - Upstream Technologies - Protein Recovery - Advances in Process Development - Analytical Technologies - Quality Control - Process Design and Management - Changing Face of Processing With contributions by around 40 experts from academia as well as small and large biopharmaceutical companies, this unique handbook is full of first-hand knowledge on how to produce biopharmaceuticals in a cost-effective and quality-controlled manner.

Innovation in Production May 03 2020 How industrial companies in Germany's critically important investment goods sector are deploying new technological and organizational production concepts to adapt to competitiveness challenges, new market requirements, environmental demands, and policy pressures is examined in this book. It draws on the Fraunhofer ISI's unique nationwide survey of technology use and production in Germany. East German as well as West German data is analyzed. Readers will gain fresh insights about the diffusion of new production concepts, the interaction of process and product innovations, and subsequent effects on productivity, employment, work flexibility, and the business performance of German industry. Implications for business strategy, public policy, and ongoing research into technology diffusion are considered.

Production Technology Feb 21 2022

Integrative Production Technology Jun 27 2022 This contributed volume contains the research results of the Cluster of Excellence "Integrative Production Technology for High-Wage Countries", funded by the German Research Society (DFG). The approach to the topic is genuinely interdisciplinary, covering insights from fields such as engineering, material sciences, economics and social sciences. The book contains coherent deterministic models for integrative product creation chains as well as harmonized cybernetic models of production systems. The content is structured into five sections: Integrative Production Technology, Individualized Production, Virtual Production Systems, Integrated Technologies, Self-Optimizing Production Systems and Collaboration Productivity. The target audience primarily comprises research experts and practitioners in the field of production engineering, but the book may also be beneficial for graduate students.

Advances in Automotive Production Technology - Theory and Application Mar 25 2022 This volume of the series ARENA2036 compiles the outcomes of the first Stuttgart Conference on Automotive Production (SCAP2020). It contains peer-reviewed contributions from a theoretical as well as practical vantage point and is topically structured according to the following four sections: It discusses (I) Novel Approaches for Efficient Production and Assembly Planning, (II) Smart Production Systems and Data Services, (III) Advances in Manufacturing Processes and Materials, and (IV) New Concepts for Autonomous, Collaborative Intralogistics. Given the restrictive circumstances of 2020, the conference was held as a fully digital event divided into two parts. It opened with a pre-week, allowing everyone to peruse the scientific contributions at their own pace, followed by a two-day live event that enabled experts from the sciences and the industry to engage in various discussions. The conference has proven itself as an insightful forum that allowed for an expertly exchange regarding the pivotal Advances in Automotive Production and Technology.

Design and Operation of Production Networks for Mass Personalization in the Era of Cloud Technology Oct 20 2021 Design and Operation of Production Networks for Mass Personalization in the Era of Cloud Technology draws on the latest industry advances to provide everything needed for the effective implementation of this powerful tool. Shorter product lifecycles have increased pressure on manufacturers through the increasing variety and complexity of production, challenging their workforce to remain competitive and profitable. This has led to innovation in production network methodologies, which together with opportunities provided by new digital technologies has fed a rapid evolution of production engineering that has opened new solutions to the challenges of mass personalization and market uncertainty. In addition to the latest developments in cloud technology, reference is made to key enabling technologies, including artificial intelligence, the digital twin, big data analytics, and the internet of things (IoT) to help users integrate the cloud approach with a fully digitalized production system. Presents diverse cases that show how cloud-based technologies can be used in different ways as part of the standard operation of global production networks Provides detailed reviews of new technologies like the digital twin, big data analytics, and blockchain to provide context on the role of cloud technologies in a fully digitalized system Explores future trends for cloud technology and production engineering

Advances in Production Technology Nov 01 2022 This edited volume contains the selected papers presented at the scientific board meeting of the German Cluster of Excellence on "Integrative Production Technology for High-Wage Countries", held in November 2014. The topical structure of the book is clustered in six sessions: Integrative Production Technology, Individualised Production, Virtual Production Systems, Integrated Technologies, Self-Optimising Production Systems and Human Factors in Production Technology. The Aachen perspective on a holistic theory of production is complemented by conference papers from external leading researchers in the fields of production, materials

science and bordering disciplines. The target audience primarily comprises research experts and practitioners in the field but the book may also be beneficial for graduate students.

A Textbook of Production Technology (Manufacturing Processes) Sep 30 2022 The printing of the seventh edition of the book has provided the author with an opportunity to completely go through the text. Minor Additions and Improvements have been carried out, wherever needed. All the figure work has been redone on computer, with the result that all the figures are clear and sharp. The author is really thankful to M/s S.Chand & Company Ltd. for doing an excellent job in publishing the latest edition of the book.

Production Technology Jul 29 2022 Production Technology is meant For The students of B.Tech in Mechanical, Production and Manufacturing Engineering. it deals with the fundamental concepts of Foundry, Forming and Welding Technologies. The book covers both theoretical and analytical concepts. The analytical concepts are introduced beginning from the fundamentals for easy comprehension. Several worked out examples, review and objective type questions are provided at the end of each chapter. More than 150 line sketches are included, which are self-explanatory and easy to reproduce in the examination. The second edition consists of revision and enrichment of contents in chapters: Fundamentals of metal casting, molding and casting processes and welding processes. A chapter new Foundry Mechanization is also Included.

Technology Transfer and International Production Jan 11 2021 "This book analyses the technology development efforts of Korea's electronics industry (the country's largest exporter). It asks how the Korean electronics industry was able to develop, both in terms of production and technology, despite low inflows of licensing and foreign direct investments. The books argues that the key to its spectacular growth has been through its participation and learning from an inter-firm arrangement called original equipment manufacturing arrangement (OEM). A number of firm-level case studies on the Korean electronics industry support this argument. The role of the government, especially related to its technology policy, has also been analysed. The government was effective in providing financial incentives for the firms' technological upgrading efforts, but its supplying of direct technological assistance had limited success. Overall, this book argues that contrary to many previous studies, the role of multinational enterprises has been significant in the development of Korea's electronics industry, and that they have acted as a 'technological tutor' for Korea through OEM"--P. xiv.tributors, world 0?.

Production Technology of Stone Fruits Aug 18 2021 Globally stone fruits are emerging in the market due to the increased consumer's desire for health-promoting foods. Stone fruits attract research attention, mainly due to the cultural and commercial aspects of the array of varieties that are grown. Being grown in wide range of environments, it is very important to understand what factors influence the production and quality attributes of stone fruits. There is a lack of systematic scientific information on strategic approach for production technologies of such fruits. This book will be first of its kind focusing on technological aspects of stone fruits especially on latest developments in present day horticulture. It will be an essential reference for professionals including academicians, scholars, researchers and industries working in the said area. We hope that readers will find this book a useful resource for their research or studies, and it will be helpful in the development of high quality stone fruits in future which will improve the economic and social life of people. Besides, this book fulfills the needs of a number of horticultural courses of Universities and will serving as a pomological manual for all occasions.

Genetic and Production Innovations in Field Crop Technology Feb 09 2021 Get cutting-edge information to improve crop breeding and productivity! Crop improvement will become progressively important over the next few decades as the world's population is expected to top 10 billion people, with more than eight billion in developing countries alone. Genetic and Production Innovations in Field Crop Technology: New Developments in Theory and Practice tackles this enormous challenge by detailing the latest available research and innovations for crop breeders and physiologists for the twenty-first century. Respected multidisciplinary scientists comprehensively discuss cutting-edge advances in field crop technology and genetic production as they keep an eye on the goal of providing nutrition to a hungry world. Genetic and Production Innovations in Field Crop Technology emphasizes an integrated approach to solve global crop production problems and increase crop productivity. Crop research experts review methods of globally improving crop yield, food product efficiency, and providing adequate nutrition in diet. The authors discuss various types of field crops, including corn, soybeans, winter wheat, cassavas, rubber, sunflowers, and barley, as well as review the exciting innovations on the food production horizon. The text is extensively referenced and includes useful graphs and tables to clearly present data. Genetic and Production Innovations in Field Crop Technology presents: visionary articles by authorities in agricultural sciences statistical design axioms and modern plot techniques discussions of integration of crop physiology and plant breeding information on systematic collection and preservation of germplasm explanations of genetic diversity in soybeans corn breeding and production research-including the economics-in the United States research on cassava breeding in less favorable environments to alleviate poverty strategies for improving yielding potential of rubber in sub-optimal environments information on fine-tuning wheat genotype-by-environment interaction methodology reviews of QTL identification, mega-environment classification, and effective strategies for marker-based selection via GGE biplot analyses research on statistical properties and practical usefulness of the Scheffe-Calinski and Shukla models relative to genotype-by-environment interaction Genetic and Production Innovations in Field Crop Technology: New Developments in Theory and Practice belongs in every agricultural university library. Crop breeders, geneticists, agronomists and horticulturists, educators, and students will find this an invaluable research source for now and for the future.

Offsite Production and Manufacturing for Innovative Construction Nov 28 2019 The offsite and modular market is continuing to grow. This book builds on the success of a number of initiatives, including formative findings from literature, research and development and practice-based evidence (success stories). It presents new thinking and direction from leading experts in the fields of: design, process, construction, engineering, manufacturing, logistics, robotics, delivery platforms, business and transformational strategies, change management, legislation, organisational learning, software design, innovation and biomimetics. This book is particularly novel and timely, as it brings together a number of cogent subjects under one collective 'umbrella'. Each of these chapters contain original findings, all of which culminate in three 'Key Learning Points' which provide new insight into the cross-cutting themes, interrelationships and symbiotic forces that exist between each of these chapters. This approach also provides readers with new contextualised understanding of the wider issues affecting the offsite market, from the need to embrace societal challenges, through to the development of rich value-laden solutions required for creating sector resilience. Content includes a balance between case studies and practice-based work, through to technical topics, theoretical propositions, pioneering research and future offsite opportunities ready for exploitation. This work includes: stakeholder integration, skills acquisition, new business models and processes, circularity and sustainable business strategies, robotics and automation, innovation and change, lean production methodologies and new construction methods, Design for Manufacturing and Assembly, scaled portfolio platforms and customisability, new legal regulatory standards and conformance issues and offsite feasibility scenario development/integration.

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