

and Path Analysis in Rice (*Oryza sativa* L) by Purabi Das, Avijit Kundu, Nirmal Mandal and Indrani Dana; Chapter 38: Rapid in vitro Propagation of *Pogostemon cablin*: An Aromatic Plant Species with High Demand by Hemashree Deka, H K Gogoi and P J Handique; Chapter 39: Combining Ability Studies in Sunflower (*Helianthus annuus* L) by K Venkata Siva Reddy and M R Manjare; Chapter 40: Effect of Planting Varying Number of Seedlings per Hill on Growth and Yield of Some Rice Varieties During Dry Season in West Bengal by B Mitra, S Sinha, S Basu and R L Nayak; Chapter 41: Effect of Sowing Directions and Planning Pattern of Raya Intercropping on Wheat Yield under Rainfed Conditions by Sukhvinder Singh, Parvender Sheoran, D S Rana and B S Sidhu; Chapter 42: Influence of Some Cereals Diets on Breeding of *Corcyra cephalonica* Statinton by J R Kadam, A P Chavan, S R Parate, D B Kadam and B M Mhaske; Chapter 43: Preliminary Field Evaluation of Ready Mix Sherlone 24 EC for Control of Sucking Pest Complex of Chilli by Panduran B Mohite and Namdeo Patil; Chapter 44: Effect of Thiourea on the Germination of Three Varieties of *Vigna radiata* (L) Wilczek by Arvind Kumar; Chapter 45: Reaction of Blackgram Genotypes Against Major Insect Pests by Devendara Prasad, Dharmjeet Kumar, Rabindra Prasad and Santosh Sahay; Chapter 46: Survey of Fungal Diseases of Economically Important Crops from Ahmednagar District by S K Aher, R K Aher, S L Khapke and R N Dishmukh; Chapter 47: Genetic Architecture of Yield and its Component Traits in Rice by Purabi Das, Avijit Kundu, Nirmal Mandal and Indrani Dana; Chapter 48: Effect of Soil Solarization and Herbicides on Nutrients Uptake by Soybean and Associated Weeds by T K Tiwari, V S Pawar, P V Mahatale and A V Patil; Chapter 49: Long-term Influence of Organic and Inorganic Fertilization on the C/N Ratio of Alfisol Under Maize-Wheat Cropping Sequence by Santosh Sahay, B P Singh, Birendra Kumar and Dharmjeet Kumar; Chapter 50: Efficacy of Insecticides and their Combination with NSKE for the Management of Insect Pests of Blackgram by Devendra Prasad, Dharmjeet Kumar, Rabindra Prasad, Binay Kumar, Rajesh Kumar and Niraj Kumar; Chapter 51: Physiological Studies on New Plant Types Originating from Tropical Japonicas in Rice (*Oryza sativa* L) by P R Rao and B Mishra; Chapter 52: Effect of Planting Methods and Irrigation Levels on Water Use of Maize (*Zea mays*, L) by Tarundeep Kaur and R K Mahey; Chapter 53: The Impact of Organic Farming Practices on Fruit Quality by K Boomiraj and A Christopher Lourduraj; Chapter 54: Resurgence of Red Spider Mite *Tetranychus cinnabarinus* Boisid on Brinjal by B M Mhaske, A P Chavan, D B Kadam and B N Cahaudhari; Chapter 55: Efficacy of Cashewnut Shell Liquid as Seed Protectant of Cowpea, *Vigna unguiculata* (Linn) Against its Pest *Callosobruchus maculatus* (Fab) by Binu N Nair and V R Prakasam.

[Energy Research Abstracts Earthscan](#)

Advances in Agronomy continues to be recognized as a leading reference and a first-rate source of the latest research in agronomy. Major reviews deal with the current topics of interest to agronomists, as well as crop and soil scientists. As always, the subjects covered are varied and exemplary of the myriad subject matter dealt with by this long-running serial. Editor Donald Sparks, former president of the Soil Science Society of America and current president of the International Union of Soil Science, is the S. Hallock du Pont Chair of Plant and Soil Sciences at The University of Delaware. Volume 82 contains eight state-of-the-art reviews on topics of interest in the plant and soil sciences. Three of the reviews present cutting-edge molecular scale techniques and approaches that directly impact food production, crop improvement, and environmental quality and sustainability.

GREEN TECHNOLOGY INITIATIVES

John Wiley & Sons

Over the last 50 years there has been rapid development of construction techniques, analytical methods and materials for use in ground engineering. One of the major techniques which has been developed is soil strengthening or reinforcement whereby man-made elements are included within geological material to provide a stabilised mass. Various products have been developed for retaining systems, slope stabilisation, etc. More recently, environmental concerns and the focus on sustainable development have led to the examination of materials based on renewable resources for use in ground engineering. In this book, the applications of both vegetable and man-made fibres in situations where there is a requirement for short-term ground reinforcement are examined and discussed. The use of vegetable fibre geotextiles (VFG), particularly in erosion control and soil reinforcement, is covered in detail, with examples from various civil engineering applications. Over the last 50 years there has been rapid development of construction techniques, analytical methods and materials for use in ground engineering. One of the major techniques which has been developed is soil strengthening or reinforcement whereby man-made elements are included within geological material to provide a stabilised mass. Various products have been developed for retaining systems, slope stabilisation, etc. More recently, environmental concerns and the focus on sustainable development have led to the examination of materials based on renewable resources for use in ground engineering. In this book, the applications of both vegetable and man-made fibres in situations where there is a requirement for short-term ground reinforcement are examined and discussed. The use of vegetable fibre geotextiles (VFG), particularly in erosion control and soil reinforcement, is covered in detail, with examples from various civil engineering applications.

[Environmental Impact Statement](#) Springer

Green Chemistry for Sustainable Textiles: Modern Design and Approaches provides a comprehensive survey of the latest methods in green chemistry for the reduction of the textile industry's environmental impact. In recent years industrial R&D has been exploring more sustainable chemicals as well as eco-friendly technologies in the textile wet processing chain, leading to a range of new techniques for sustainable textile manufacture. This book discusses and explores basic principles of green chemistry and their implementation along with other aspects of cleaner production strategies, as well as new and emerging textile technologies, providing a comprehensive reference for readers at all levels. Potential benefits to industry from the techniques covered in this book include: Savings in water, energy and chemical consumption, waste minimization as well as disposal cost reduction, and production of high added value sustainable textile products to satisfy consumer demands for comfort, safety, aesthetic, and multi-functional performance properties. Innovative emerging methods are covered as well as popular current technologies, creating a comprehensive reference that facilitates comparisons between methods. Evaluates the fundamental green chemistry principles as drivers for textile sustainability Explains how and why to use renewable green chemicals in the textile wet processing chain

Green Technologies and Business Practices: An IT Approach CRC Press

In his *Moving to Sustainable Buildings. Paths to Adopt Green Innovations in Developed Countries*, Umberto Berardi explores the transition of the construction sector to sustainable building through the adoption of green innovations. Applying methods ranging from theoretical discussions to

interviews and field studies, Berardi describes how organisational models among stakeholders are changing as the sector moves towards a green economy. Berardi's book should prove valuable to engineers, architects, environment researchers and policy makers alike, as it successfully weaves together different aspects of green building to create a multidimensional matrix through which sustainable architecture can be understood. Umberto Berardi, an assistant professor at the Worcester Polytechnic Institute (MA, USA), teaches courses on sustainable construction, architectural engineering systems and building physics. He was awarded an MSc from the Politecnico di Bari, an MSc from the University of Southampton (UK) and a PhD from the Scuola Interpolitecnica in Italy. His research areas are related to building acoustics, sustainable constructions and energy saving technologies for buildings. Berardi is also a passionate pianist and a strong proponent of interdisciplinary cooperation between the arts and engineering.

AR 200-1 12/13/2007 ENVIRONMENTAL PROTECTION AND ENHANCEMENT , SURVIVAL EBOOKS

OECD Publishing

Covering global threats such as climate change, population growth, and loss of biodiversity, as well as national, state, and local problems of environmental pollution, energy use, and natural resource use and conservation, *Environmental Policy and Politics* provides a comprehensive overview of U.S. policy-making processes, the legislative and administrative settings for policy decisions, the role of interest groups and public opinion in environmental politics, and the public policies that result. It helps readers understand modern environmental policy and its implications, including the need for a comprehensive and integrated approach to problem solving.

[Hearing Before the Subcommittee on Technology, Environment, and Aviation of the Committee on Science, Space, and Technology, U.S. House of Representatives, One Hundred Third Congress, First Session, July 19, 1993](#) CRC Press

First published in 1997, this volume reflects concern about the environmental impact of modern agricultural practices, agriculture's increasing reliance on non-renewable resources, and the long-term productivity of high external-input agricultural systems which has prompted a number of initiatives to promote the adoption and diffusion of more sustainable technologies. For these interventions to be effective, they should be based on an understanding of what induces the producer to switch from conventional to alternative practices. This book provides a review on the determinants of adoption and diffusion of sustainable agricultural technologies, including concepts and theories related to this theme. The Green Revolution in Brazil is examined as a means of establishing the background for an empirical investigation. Data about farms in the State of Espírito Santo are analysed using duration analysis, an econometric technique which allows to assess the impact of time-varying, economic variables. Thus, adoption is explained as a dynamic process.

GLOBAL COMPETITIVENESS OF U.S. ENVIRONMENTAL TECHNOLOGY INDUSTRIES: INVESTIGATION NO. 332-347, U.S. INTERNATIONAL TRADE COMMISSION, MARCH 1995

Springer Nature

The ever-increasing awareness and growing focus on environmental issues such as climate change and energy use is bringing about an urgency in expanding research to provide possible solutions to these problems. Through current engineering research and emerging technologies, scientists work to combat modern environmental and ecological problems plaguing the globe. *Advanced Methodologies and Technologies in Engineering and Environmental Science* provides emerging research on the current and forthcoming trends in engineering and environmental sciences to resolve several issues plaguing researchers such as fossil fuel emission and climate change. While highlighting these challenges, including chemical toxicity, environmental responsibility, readers will learn how engineering applications can be used across disciplines to aid in reducing environmental hazards. This book is a vital resource for engineers, researchers, professors, academicians, and environmental scientists seeking current research on how engineering tools and technologies can be applied to environmental issues.

ENVIRONMENTAL POLICY AND POLITICS

IGI Global

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.

Green Technologies in Food Production and Processing CRC Press

This book explores the role of institutions in policy-making and the states, role in promotion of technology, focusing on, environmental technology development. Case studies include wind power diffusion in the UK and Germany, waste recycling in a variety of countries, and green automobile technology in the US and Japan.

GREEN TECHNOLOGIES FOR SUSTAINABLE WATER MANAGEMENT

Routledge

This is the third Environmental Performance Review of the Czech Republic. It evaluates progress towards sustainable development and green growth,

with special features on waste, materials management and circular economy and sustainable urban development.

ADVANCES IN AGRONOMY

Academic Press

This book focuses on environmental sustainability by employing elements of engineering and green computing through modern educational concepts and solutions. It visualizes the potential of artificial intelligence, enhanced by business activities and strategies for rapid implementation, in manufacturing and green technology. This book covers utilization of renewable resources and implementation of the latest energy-generation technologies. It discusses how to save natural resources from depletion and illustrates facilitation of green technology in industry through usage of advanced materials. The book also covers environmental sustainability and current trends in manufacturing. The book provides the basic concepts of green technology, along with the technology aspects, for researchers, faculty, and students.

GREEN CHEMISTRY FOR SUSTAINABLE TEXTILES

CRC Press

This book provides a comprehensive overview on the most important types of nanosensor platforms explored and developed in the recent years for efficient detection of environmental/clinical analytes. The chapters cover basic aspects of functioning principles and describe the technologies and challenges of present and future pesticide, metal ions, toxic gases analytical sensing approaches and environmental sensors. Nanosensors are nanoscale miniature devices used for sensing of analyte in ultra-low range. These have gained considerable interest in environmental applications such as environmental chemistry and functionalization approaches, environmental engineering, sustainability, green technology for sensing, environmental health monitoring, pesticide detection, metal and ions detection using electrochemical and wireless sensor.

OECD ENVIRONMENTAL PERFORMANCE REVIEWS: NORWAY 2001

Academic Press

Green technology plays an important role in the achievement of environmental sustainability. Tax incentives, carbon taxes, and rising fossil fuel costs are motivating increased growth and development of 'green' products and services, many of which are the result of innovative discoveries in biotechnology and nanotechnology. Green Technologies and Business Practices: An IT Approach is an international platform that brings together academics, researchers, lecturers, policy makers, practitioners, and persons in decision-making positions from all backgrounds who ultimately share new theories, research findings and case studies, together enhancing understanding and collaboration of green issues in business and the role of information technologies and also analyze recent developments in theory and practice. Furthermore, this book demonstrates the capacity of green models and policies, information technology and management for the mutual understanding, prosperity and overall well-being of all the citizens in the world. This title is perfect for politicians, professors, policy makers, government officers, and students alike.

Report to Congress of the U.S.-China Economic and Security Review Commission United Nations

Issues in Renewable Energy Technologies / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Renewable Energy Technologies. The editors have built Issues in Renewable Energy Technologies: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Renewable Energy Technologies in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Renewable Energy Technologies: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

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GREEN TECHNOLOGIES FOR SUSTAINABLE AGRICULTURE

Routledge

The aim of this book is to compile some of the green technologies applied to improve the environment on Earth. The success of these technologies is built from humility; from this ethical principle, the concept of honest broker is defined in this work. Some of the biggest environmental problems, such as soil pollution by heavy metals and pollution from the mining industry and massive coal plants, are also addressed. Additional subjects depicted here include geothermal energy, plasma technology, and the correct use of electric vehicles, and demonstrate a promising scenario to diminish greenhouse gases. Likewise, caring for wildlife is essential; the correct use of certain technologies depicted here can contribute to their conservation.

EPA NATIONAL PUBLICATIONS CATALOG

Smithers Rapra

The 28 chapters in this collection describe science-based principles and technological advances behind green technologies that can be effective solutions to pressing problems in sustainable water management.

PRACTICAL GUIDE TO GREEN TECHNOLOGY FOR GROUND ENGINEERING

ASCE Press

'What does it mean for the environment?' is a strategic corollary of almost any significant business decision today, and companies must take seriously their responsibilities to regulators, customers, employees and the wider society. A Thousand Shades of Green is aimed at business leaders in need of a clear understanding of the key corporate environmental challenges and the insight and vision to meet them - imperatives such as engaging stakeholders and developing partnerships, understanding the policy-making process, forming corporate responses and drafting environmental management strategies - with the promise of genuine competitive advantage for their companies. Drawing on their extensive consultancy experience with some of the most progressive companies around the world, the authors examine why and how businesses must confront the rapidly developing agenda set by environmental constraints and social and regulatory pressure. They identify the corporate environmental challenge with that of change management and advocate a recognition that there is no single strategy or endgame applicable to all companies - there are a thousand shades of green. Only by pursuing thorough, reflective, consistent, competitive and proactive strategies will businesses be able to avoid being embroiled in costly and complex reactive approaches.

Hearings Before the Subcommittee on Energy and Power of the Committee on Interstate and Foreign Commerce, House of Representatives, Ninety-fourth Congress, Second Session IGI Global

Rapid changes in technology and lifestyle have led to a dramatic increase in energy demand. Growing energy demand is the main cause of environmental pollution, but the efficient use of renewable resources and technologies for residential, commercial, industrial, and agricultural sectors offers the opportunity to diminish energy dependence, ensure efficiency and reliability, reduce pollutant emissions, and buoy national economies. Eco-friendly energy processes are the key to long-term sustainability. Eco-Friendly Energy Processes and Technologies for Achieving Sustainable Development is a collection of innovative research that identifies sustainability pillars such as environmental, technical, social, institutional, and economic disciplines and explores the longevity of these disciplines through a resource-oriented approach. Featuring coverage of a broad range of topics including environmental policy, corporate accountability, and urban planning, this book is ideally designed for policymakers, urban planners, engineers, advocates, researchers, academicians, and students.

Green Technologies to Improve the Environment on Earth Tomw Communications Pty Ltd

Bhuvan Unhelkar takes you on an all-encompassing voyage of environmental sustainability and Green IT. Sharing invaluable insights gained during two battle-tested decades in the information and communication technologies industry, he provides a comprehensive examination of the wide-ranging aspects of Green IT-from switching-off monitors, virtualizin