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Innovative Approaches for Sustainable Development Syed Sheraz Mahdi, Rajbir Singh, 2022-05-06 This book provides recent understanding about the sustainable development in agriculture It includes information regarding new approaches for sustainable development in agriculture horticulture and fisheries It examines the effect of climate change and provides information on climate smart practices In addition some important aspects like quality seed production role of bioinoculants on farm water harvesting non thermal processing of food importance of water use in organic agriculture have also been discussed It also presents in detail plant disease aspect and their management strategies This book aims to provide an overall understanding of all aspects related to the study of environment resources its protection for sustainable development To meet the growing food demand of the over nine billion people who will exist by 2050 and the expected dietary changes agriculture will need to produce 60 percent more food globally in the same period The goal of sustainable agriculture is to meet society's food and textile needs in the present without compromising the ability of future generations to meet their own needs Practitioners of sustainable agriculture seek to integrate three main objectives into their work a healthy environment economic profitability and social and economic equity Every person involved in the food system growers food processors distributors retailers consumers and waste managers can play a role in ensuring a sustainable agricultural system

Water management for sustainable agriculture Prof. T. Oweis, 2018-07-09 Comprehensive review of the range of water resources from groundwater and surface water to rainwater floodwater and waste water Discusses advances in irrigation techniques from surface irrigation to micro drip irrigation and fertigation Assesses methods for optimising agricultural water use in rainfed and other systems

Mining Law and Governance in Africa Victoria R. Nalule, 2023-06-09 This book explores the various issues that characterise the African mining sector drawing examples from different African

countries and regional organisations Although there is a massive literature on the subject some issues have been neglected including the crucial role of digitalisation and technological advancement in resolving the environmental and social challenges faced in Artisanal and Small Scale Mining ASM deep sea mining mining contract negotiations and modernising mining laws to reflect the increasing role of critical minerals to mention but a few Therefore the book unpacks the critical issues associated with the mining sector explicitly reflecting on the practical solutions needed to address the challenges in the African mining sector This book uniquely analyses and adds flavour to international mining s fundamental concepts by describing a simulated annealing based approach appropriate for complex mining projects in Africa Book contributors comprise of academics from different universities including professors practitioners government policymakers NGO executives and a variety of different experts This multidisciplinary book will be of interest to African policymakers governments academics industry professionals energy and mining institutions international organisations universities across the globe and companies

ICT and Rural Development in the Global South Willem van Eekelen,2023-12-01 This book dives into the achievements opportunities risks and dangers of ICT in the rural Global South and takes a look at the likely future Drawing on years of experience across 45 counties as well as extensive original academic research Willem van Eekelen situates the evolving role of ICT in wider development patterns in the Global South He discusses the effects of ICT on agriculture trade financial flows resource management and governmental performance He then considers the associated risks of financial insecurity online gambling exclusion misinformation and the effects of ICT on people s freedom The book concludes with six recommendations to maximise the usefulness of rural ICT investments and minimise the risk of them causing harm This engaging and authoritative account of ICT and rural development will help students academics governmental policymakers donors and investors wishing to support socio economic development in the Global South

Blockchain, Fintech, and Islamic Finance Hazik Mohamed,Hassnian Ali,2022-09-06 Following the success of the first edition that brought attention to the digital revolution in Islamic financial services comes this revised and updated second edition of Blockchain Fintech and Islamic Finance The authors reiterate the potential of digital disruption to shrink the role and relevance of today s banks while simultaneously creating better faster cheaper services that will be an essential part of everyday life Digital transformation will also offer the ability to create new ways to better comply to Islamic values in order to rebuild trust and confidence in the current financial system In this new edition they explore current concepts of decentralized finance DeFi distributed intelligence stablecoins and the integration of AI blockchain data analytics and IoT devices for a holistic solution to ensure technology adoption in a prudent and sustainable manner The book discusses crucial innovation structural and institutional developments for financial technologies including two fast growing trends that merge and complement each other tokenization where all illiquid assets in the world from private equity to real estate and luxury goods become liquid and can be traded more efficiently and second the rise of a new tokenized economy where inevitably

new rules and ways to enforce them will develop to fully unleash their capabilities These complementary and oft correlated trends will complete the decentralization of finance and will influence the way future financial services will be implemented This book provides insights into the shift in processes as well as the challenges that need to be overcome for practical applications for AI and blockchain and how to approach such innovations It also covers new technological risks that are the consequence of utilizing frontier technologies such as AI blockchain and IoT Industry leaders Islamic finance professionals along with students and academics in the fields of Islamic finance and economics will benefit immensely from this book

Commonwealth Health Partnerships 2014 Robertson,Rupert Jones-Parry,2014-05-27 Launched at the annual Commonwealth Health Ministers Meeting CHMM the publication provides a guide to current issues in global health for ministers senior officials and other stakeholders Reflecting the theme of CHMM 2014 Commonwealth Health Partnerships 2014 focuses on health in the post 2015 development agenda and Commonwealth priorities in strengthening national health policies and systems Content includes Financial and human resourcing debates on universal health coverage Integrating non communicable diseases in new global health goals TB and HIV AIDS maternal and child health Anti microbial resistance antibiotics stewardship efforts Dietary transitions tobacco poverty and other social determinants Governance and leadership public private and clinical Disabilities and mental health promotive recovery and rights based approachesThe publication also includes extensive health profiles of the 53 Commonwealth member countries incorporating up to date data on health systems and population health outcomes The Journal of Agricultural Science ,1962 **International Nuclear Export Controls and Non-Proliferation** Ian J. Stewart,2021-09-27 This book examines the evolution of international nuclear non proliferation trade controls over time The book argues that the international nuclear export controls have developed in a sub optimal way as a result of a non proliferation collective action problem This has resulted in competition among suppliers owing to the absence of an overarching effective system of control While efforts have been undertaken to address this collective action problem and strengthen controls over time these measures have been inherently limited it is argued here because of the same structural factors and vested interests that led to the creation of the problem in the first place This study examines international controls from the beginning of the nuclear age and early efforts to control the atom up to more recent times and the challenge posed by Iranian and North Korean nuclear ambitions Drawing on a rich body of original archival research and interviews the book demonstrates that the collective action problem has restrained cooperation in preventing nuclear proliferation and that gaps persist in the international nuclear trade control regime This book will be of much interest to students of nuclear proliferation and arms control security studies and International Relations **Canadian Journal of Forest Research** ,2015-04 **Transnational Crime** Valsamis Mitsilegas,Saskia Hufnagel,Anton Moiseienko,Shi Yanan,Liu Mingxiang,2018-10-09 This volume offers a diverse set of perspectives on transnational crime Providing a wide ranging overview of the legal and policy issues that arise in connection with various forms of transnational

crime the authors outline the criminal justice responses adopted across different jurisdictions Including contributions from high profile Chinese and European academics and practitioners across a variety of disciplines and methodological backgrounds the authors address some of the hitherto underexplored issues related to transnational crime These range from trafficking in cultural objects derived from illicit metal detecting and metal detecting tourism in China to the European approaches to criminalising the denial of historical truth The central theme of the book is that useful lessons can be drawn from each other s experiences and that a cross fertilisation of domestic approaches to transnational crime is essential to effective cooperation This book will be of use to students and academics of comparative criminal justice and anyone interested in transnational crime

Science John Michels (Journalist),2004 A weekly record of scientific progress The State of Food Security and Nutrition in the World 2017 Food and Agriculture Organization of the United Nations,2017 This series of reports highlights issues of food insecurity around the world It presents statistics on rates and trends in malnutrition child stunting wasting overweight and obesity breastfeeding and anaemia in women showing that though efforts to address child malnutrition are going well there are rising concerns about overweight and obesity in other parts of the world This 2017 edition also highlights the relationship between conflict and war and food security and nutrition and explains why efforts at addressing hunger must go hand in hand with those to sustain peace *Canadian Journal of Fisheries and Aquatic Sciences* ,2014 *Outlook on Agriculture* ,2013 *Nutrition Abstracts and Reviews* ,1998 **Industrial Arts Index** ,1950 **The Commercial and Financial Chronicle** ,1960 **Physics Briefs** ,1991 **Energy Research Abstracts** ,1987

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