

Sujeewa Prasanna Arachchi S Warsha 14

Computing Technologies for Sustainable Development Two Decades from the Indian Ocean Tsunami Nano-Enabled Technologies for Water Remediation Parliament of Sri Lanka Sustainable Technologies for Water and Wastewater Treatment The Tea Plant Genome Plant-Microbe Interactions for Environmental and Agricultural Sustainability 2004 IUCN Red List of Threatened Species Tomorrow is Ours The Canada Gazette Accessions List, Ceylon Tigerpaper Accessions List, Sri Lanka The Center for Research Libraries Catalogue: Heydr - Morris, Sir Henry Publishers' International ISBN Directory The Tiger Paper Loris Directory of Official Telephones The London Diplomatic List National Union Catalog Prasanna Devi Sivakumar Rajib Shaw Noel Jacob Kaleekkal Noel Jacob Kaleekkal Liang Chen Ashutosh Pandey Jonathan Baillie Charles Wesley Ervin Canada American Libraries Book Procurement Center, New Delhi Library of Congress. Library of Congress Office, New Delhi Center for Research Libraries (U.S.) Foreign and Commonwealth Office

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this book constitutes the refereed proceedings of the first international research conference on computing technologies for sustainable development ircctsd 2024 held in chennai india during may 9 10 2024 the 65 full papers and 14 short papers presented here were carefully selected and reviewed from 264 submissions these papers have

been organized in the following topical sections part i innovations in precision agriculture techniques and strategies for enhancing agriculture production classification and prediction analysis in healthcare animal welfare and innovations in diagnostics part ii video and image processing for security analysis innovations for smart cities sustainable practices in e commerce challenges and trends part iii environmental analysis and protection inclusive communication techniques ai for text audio image and video processing and application of ai for education

this book presents the advancements in the disaster risk reduction and resilience building in the countries affected by the indian ocean tsunami countries the book includes a few cross cutting issues related to governance technology and communities with two major parts 1 cross cutting issues and 2 regional and country level experiences at the threshold of twenty years from indian ocean tsunami the concept of disaster risk reduction field has evolved significantly in the affected countries as well as around the world globally several mega disasters happened in the last 20 years and risk landscape has become more complex in addition technology governance and people s resilience have gained positive momentum we had two world conferences on disaster risk reduction resulting in two global disaster risk reduction frameworks which aligned with development frameworks as well as climate change agreements covid 19 and post covid risk landscape has brought the new dimension of compound and complex disasters and need for all hazards approach

nano enabled technologies for water remediation highlights several aspects of wastewater treatment using low dimensional carbon based materials the book also focuses on advances in membrane based separation specifically on the pressure driven membrane process in the case of membrane advances the focus is exclusively on metal and metal oxide mixed matrix membranes go and cnt loaded membranes for targeted pollutant removal further new and upcoming technologies of membrane preparation via the electrospinning method and advances in membrane distillation and wastewater remediation are discussed in addition the book includes coverage of recent advances occurring in sustainable technologies for wastewater remediation with bio active nanomaterials bio inspired and bio templated nanomaterials which assist readers in gaining a new perspective for implementing nature mimicked designs for water treatment and conservation covers fundamental theories for complex technologies so that the readers do not need to sift through large quantities of available literature provides information on major nano enabled technologies for wastewater treatment such as composite membranes electrospun nanofibrous membranes visible light

catalysts multi functional adsorbents hydrogels bio active materials bio inspired materials and more assesses the major challenges to integrating nanotechnology solutions to water remediation processes in a scalable and cost efficient manner

sustainable technologies for water and wastewater treatment discusses relevant sustainable technologies for water and wastewater treatment pertaining to a nanoscale approach to water treatment and desalination membrane based technologies for water recovery and reuse the energy and water nexus degradation of organic pollutants nascent technologies bio and bio inspired materials for water reclamation and integrated systems and an overview of wastewater treatment plants the book focuses on advanced topics including in situ generation of hydroxyl radicals which can aid in the indiscriminate oxidation of any contaminant present in wastewater making advanced oxidation processes commercially viable features a comprehensive review of current and novel water and wastewater treatment technologies from a sustainability perspective all the sustainable technologies such as desalination wastewater treatment advanced oxidation processes hydrodynamic cavitation membrane based technologies sonosorption and electrospun fibers discussion on reference materials for important research accomplishments in the area of water and environmental engineering theoretical aspects covering principles and instrumentation a summary on sustainability including life cycle assessment lca energy balance and large scale implementation of advanced techniques this book is aimed at professionals graduate students and researchers in civil chemical environmental engineering and materials science

this edited volume is focused on genomic study of tea crop this book includes 20 chapters that cover the most relevant and hot topics in tea plant genetics and genomics a first set of chapters includes its global economic and healthy importance the botany and taxonomy main quality and functional components a second group of chapters deals with genetics breeding and includes genetic resources commercial breeding genetic transformation techniques as well as the use of marker assisted selection qtl gwas this will be followed by a set of chapters on omics including the genomics transcriptomics metabolomics proteomics organelle genome small rna and dna methylation two chapters are devoted to biotic and abiotic stresses continued by two others more chapters focused on the snp array and databases for molecular design breeding finally a chapter deals with future perspectives in the omics era for tea breeding the tea plant is a cross pollinated self incompatible high heterozygosity very large genome 3.2 gb which have greatly hindered research and breeding in this crop in the recent years modern genetic and genomic tools have contributed to the development of significant valuable

resources for the tea genetic improvement this book is of interest to teachers tea researchers tea breeders and tea lovers also the book serves as additional reading material for undergraduate and graduate students of agriculture forestry horticulture beverage plant sciences

this book provides an understanding of the intricate structure of the plant microbe interface for increasing plant performance in an environmentally sustainable way plant microbiomes often known as the bacteria associated with plants such as rhizospheric phyllosphere and entophytic are essential components of plant life importance of plant microbiomes is a trustworthy strategy for sustainability to handle upcoming food shortages and restore soil health understanding the relationships between plants and microorganisms is advancing with the concept of profiling plant associated microbiomes genome assemblies of all bacteria through a number of ways the microbiota increases the plant's ability to adapt to changing environmental conditions therefore it is crucial to solving the riddle of plant microbe dynamics using cutting edge technologies to comprehend the function of metabolites and signal route mechanisms recent developments in omics technologies for unravelling plant microbe dynamic interactions and other novel phytotechnologies for soil health improvement are discussed at length in this volume as well as novel methods for improved agricultural and environmental sustainability teachers academics plant biologists and researchers will all find this book interesting students studying agriculture microbiology biotechnology ecology soil science and environmental sciences at the undergraduate and graduate levels can also use the book as supplemental reading material

applies red list data to calculate a red list index

this annual publication lists all the representatives of foreign states and commonwealth countries in london with the names and designations of their diplomatic staff and contact details national days consuls both honorary and career and representatives of british overseas territories are also listed and there is a directory of international organisations

includes entries for maps and atlases

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