
World Applied Sciences Journal

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One of the greatest
challenges for the

apparel industry is to produce garments that fit customers properly. Anthropometry, Apparel Sizing and Design addresses the need for improved characterization of our populations in order to tailor garments according to size, weight, and shape of consumers. This book reviews techniques in anthropometry, sizing system developments, and their applications to clothing design. Part one considers a

range of anthropometric methods. The text discusses the range of sizing systems, including data mining techniques, useful for bridging the gap between ergonomists and designers. Chapters examine three-dimensional anthropometric methods and multivariate and bivariate analysis for identifying key body dimensions. Part two then explains how to analyze anthropometric data to develop appropriate sizing systems. Here, the book discusses classification and clustering of human body shapes, the importance of

national surveys, and combination of using the data obtained to ensure inclusive design strategies. The book covers sizing systems developed for particular groups, apparel size designation, and the potential for international standardization. It considers the advantages of 3D body scanning and computer-aided design, and the use of body motion analysis to address ease allowance requirements of apparel. With its distinguished editors and international contributors, this work is an essential reference, particularly due to the specific

aspects of anthropometry and the sizing of clothing, for researchers, garment designers, students, and manufacturers in the clothing and fashion industry. Reviews techniques in anthropometry, sizing system developments, and their applications to clothing design Examines 3D anthropometric methods and multivariate and bivariate analysis for identifying key body dimensions Covers sizing systems developed for particular groups, apparel size designation, and the potential for

international
standardization
Emerging Trends
and Applications
in Information
Communication
Technologies

Springer
The book by M. Imran Kozgar aims to cover the problems of mutation breeding in pulse crops in the light of issues related to food insecurity and malnutrition, which according to FAO are the major threats at the present time. So far the research on induction of mutation in pulse crops is negligible compared to cereal crops, though the pulse crops and

especially the chickpea are the largest grown crops in India. The main objective of the book is to reveal and explore the possibility of inducing genetic variability in early generations of mutated chickpea, describe the positive aspects of mutagenic treatments, evaluate the content of mineral elements (iron, manganese, zinc and copper) and physiological parameters of isolated high yielding mutant lines. The author hopes that his book will help to advance studies on pulse crops, and that in the long term it will

help to reduce the food insecurity and malnutrition problems presently persisting in various developing countries, including India.

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As a basic human need, water and its treatment are of the utmost importance.

However, some rural areas are disadvantaged and have difficulty in effectively treating their water supply, which can affect the health and safety of their

region. To protect and defend citizens, research must supply effective and applicable methods in securing the safety and drinkability of water. Membrane Technology for Water and Wastewater Treatment in Rural Regions is an essential publication that discusses the fabrication and characterization of membranes, processes and operations, and specific applications of membranes on water and wastewater

treatment. Moreover, the book discusses selected promising aspects of membrane usage in the industry with a focus on palm oil mill industry, sewage management and treatment, and water treatment in rural areas. Featuring coverage on a broad range of topics including membrane processes, water production, and transport resistances, this book is ideally designed for engineers, chemists, environmentalists, public officials,

researchers, academicians, students, and industry professionals. **Handbook of Research on Managerial Practices and Disruptive Innovation in Asia** IGI Global Plants face a wide range of environmental challenges, which are expected to become more intense as a result of global climate change. Plant-soil

interactions play an important role in the functioning of ecosystems. Soil properties represent a strong selection pressure for plant diversity and influence the structure of plant communities and biodiversity. The complexity of plant-soil interactions has recently been studied by developing a trait-based approach in which responses and effects of plants on soil environment are quantified and modelled. This fundamental research on plant-soil interaction in ecosystems is essential to transpose knowledges of functional ecology to environmental management. *Frontiers in Plant-Soil Interaction: Molecular Insights into Plant Adaptation* will address topics that provide advances in understanding plant responses to soil conditions through the integration of genetic, molecular, and plant-level studies of diverse

biotic and abiotic stresses under field and laboratory conditions. This book will be beneficial to students and researchers working on stress physiology and stress proteins, genomics, proteomics, genetic engineering and other fields of plant-soil interactions. Frontiers in Plant-

Soil Interaction will also help scientists explore new horizons in their area of research. Brings together global leaders working in the area of plant-environment interactions and shares their research findings. Presents current and future scenarios for the management

of stressors. Illustrates the central role for plant-soil interactions in applying basic research to address current and future challenges to humans. Social Sciences and Interdisciplinary Behavior IAP. This volume is based on the research papers presented in the 4th Computer Science On-line Conference. The volume Software Engineering in Intelligent Systems presents new approaches and methods to real-

world problems, and in particular, exploratory research that describes novel approaches in the field of Software Engineering. Particular emphasis is laid on modern trends in selected fields of interest. New algorithms or methods in a variety of fields are also presented. The Computer Science On-line Conference (CSOC 2015) is intended to provide an international forum for discussions on the latest high-quality research results in all areas related to Computer Science. The addressed topics are the theoretical aspects and applications of

Computer Science, Artificial Intelligences, Cybernetics, Automation Control Theory and Software Engineering. Herbs, Shrubs, and Trees of Potential Medicinal Benefits Cloud Publications This book is a compilation of writings handpicked in esteemed scientific conferences that present the variety of ways to approach this multifaceted phenomenon. In this book, knowledge management is seen as an integral part of information and communications technology (ICT). The topic is first approached from

the more general perspective, starting with discussing knowledge management 's role as a medium towards increasing productivity in organizations. In the starting chapters of the book, the duality between technology and humans is also taken into account. In the following chapters, one may see the essence and multifaceted nature of knowledge management through branch-specific observations and studies. Towards the end of the book the ontological side of knowledge management is illuminated. The book ends with two special applications

of knowledge management. International Supply Chain Management and Collaboration Practices BoD – Books on Demand This book constitutes the refereed proceedings of the Second International Multi-topic Conference, IMTIC 2012, held in Jamshoro, Pakistan, in March 2012. The 51 revised full papers presented were carefully reviewed and selected from 205 submissions. The papers address topics from information communication

technologies. Tourism in Russia John Wiley & Sons There has been a worldwide increase in the demand for medicinal plants that aid the immune system, and considerable progress has been made in plant-based drug development. Herbs, Shrubs and Trees of Potential Medicinal Benefits examines how plants are used in the development of drugs preventing and treating cancer, hepatitis, asthma, influenza, HIV, and other diseases by manipulating a variety of bioactive molecules found in these plant parts. The book analyses how plants may

strengthen human immunity, improve mood and brain function, enhance blood and oxygen circulation, boost the healing processes, and maintain blood pressure. Though many herbs, shrubs and trees have been identified for developing healthcare products, many of them require further exploration for potential usage. This volume in the Exploring Medicinal Plants series, presents information on herbs, shrubs and trees discussing traditional knowledge, chemical derivatives, and potential benefits of these items. Features: Identifies and

highlights some medicinal herbs, shrubs and or trees around the world, presenting overall potential benefits to human health. Explores important medicinal plants for their bioactive constituents and phytochemicals. Discusses medicinal herbs, shrubs, and or trees for their uses in herbal drug preparation. Written by an international panel of plant scientists, this book is an essential resource to students, pharmacists, and chemists. It provides valuable information on fundamental chemical principles, modes of action, and product formulation of bioactive natural

products derived from plants for medical applications. Islamic Business Administration IGI Global This essential textbook provides a comprehensive introduction to the Islamic business environment, exploring core concepts and practices in business administration from an Islamic perspective. Thorough and accessible, it covers the full range of Islamic business, including entrepreneurship, ethics, organizational culture, marketing,

finance and decision making. Taking an integrated approach that aligns contemporary business practice with traditional Islamic literature, the book offers an engaging exploration of the key ways in which business activities can be organised to align with Islamic norms, rules and regulation. Developed from the teaching practice of an international range of leading scholars in the field, Islamic Business Administration includes topical case studies,

practical business scenarios and comparative features, encouraging students to place their understanding of Islamic business within the wider global business context and to understand its practical implementation. This is an invaluable companion for students studying a module in Islamic business or management at undergraduate, postgraduate and MBA level. It is also suitable for students of Islamic finance or banking looking to place their

learning in the wider context of Islamic business. Medical Imaging IGI Global Journal Actual problems of applied sciences is the most modern survey articles of internationally recognized authorities. Authors wishing to submit a review to the journal must submit a proposal to the editor, first using the application form as a guide. The journal provides a link between original articles, innovations published in patents, and modern

various scientific fields. It publishes review articles in interdisciplinary areas in which significant contributions are made. Journals are archived with the Spanish and Germany National Library. All Content is Open Access and Free for Readers Journals published by Open European Academy of Public Sciences are fully open access: research articles, reviews or any other content on this platform is available to everyone free of charge. To be able to provide open

access journals, we finance publication through article processing charges; these are usually covered by the authors' institutes or research funding bodies. We offer access to science and the latest research to readers for free. All of our content is published in open access and distributed under a Creative Commons License, which means published articles can be freely shared and the content re-used, upon proper attribution. Open European Academy of Public Sciences

Ethics Statement Open European Academy of Public Sciences is a member of the Committee on Publication Ethics (COPE). Open European Academy of Public Sciences takes the responsibility to enforce a rigorous peer-review together with strict ethical policies and standards to ensure to add high quality scientific works to the field of scholarly publication. Unfortunately, cases of plagiarism, data falsification, inappropriate authorship credit, and the like, do

arise. Open European Academy of Public Sciences takes such publishing ethics issues very seriously and our editors are trained to proceed in such cases with a zero tolerance policy. To verify the originality of content submitted to our journals, we use iThenticate to check submissions against previous publications. Mission and Values As a pioneer of academic open access publishing, we serve the scientific community since 2009. Our aim is to foster scientific exchange in all

forms, across all disciplines. In addition to being at the root of Open European Academy of Public Sciences and a key theme in our journals, we support sustainability by ensuring the long-term preservation of published papers, and the future of science through partnerships, sponsorships and awards.

Driving Green Consumerism Through Strategic Sustainability

IGI Global
The book discusses varied topics pertaining to advanced or up-to-date techniques in

medical imaging using artificial intelligence (AI), image recognition (IR) and machine learning (ML) algorithms/techniques. Further, coverage includes analysis of chest radiographs (chest x-rays) via stacked generalization models, TB type detection using slice separation approach, brain tumor image segmentation via deep learning, mammogram mass separation, epileptic seizures, breast ultrasound images, knee joint x-ray images, bone fracture detection and labeling, and diabetic retinopathy. It also reviews 3D imaging in biomedical applications and pathological medical imaging.

International Journal

of Advanced Remote Sensing and GIS

CRC Press

International

Transaction Journal of Engineering,

Management, & Applied Sciences & Technologies

publishes a wide spectrum of research and technical articles as well as reviews,

experiments,

experiences,

modelings,

simulations, designs,

and innovations

from engineering, sciences, life

sciences, and related

disciplines as well as

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other publishers for publications. ELT in Asia in the Digital Era: Global Citizenship and Identity Routledge Collaboration in business allows for equitable opportunities and inclusive growth as the economy rises while also permitting partnering organizations to adopt and utilize the latest successful practices and management. However, a market in stasis may require a displacement in order to allow businesses to grow and create new alliances and partnerships toward a shared economy. There is a need for studies that seek to understand the necessity of market disruption and the best supervisory

methods for remaining relevant and profitable in a time of change. The Handbook of Research on Managerial Practices and Disruptive Innovation in Asia is an essential reference source that explores successful executive behavior and business operations striving toward a more inclusive economy. Featuring research on topics such as employee welfare, brand orientation, and entrepreneurship, this publication is ideally designed for human resources developers, policymakers, IT specialists, economists, executives, managers, corporate directors, information technologists, and academicians seeking current research focusing on innovative business factors and

sustainable economies in Asia.

Emotional Intelligence And Academic Achievement Among Intermediate Students Google Play Books

The book

“ Applications of Nanomaterials: A Novel Approach for Pollution Abatement in Industries ”

highlights an in-depth research about applications of nanotechnology for dye decolouration and abatement of pollutants from industrial effluents and agriculture.

The authors have

emphasized the significance of synthesis of metallic nanoparticles and their applications in dye decolouration, biocidal activity, and pollution abatement.

Wastewaters are producing gradually with rapid development in different type of industries such as textile, leather, pulp, and paper, printing, photographs, cosmetics, pharmaceuticals, commerce, hospitals, and health-care services. The industry use water as a principal medium for removing

impurities, applying dyes, and finishing agents. Therefore, the main concern is the discharge of wastewater.

Significant quantities of toxic and hazardous chemicals are being generated as an industrial waste. At present, there are thousands types of toxic chemicals commercially generated. Their virulence, firmness to natural disintegration and prolong accumulation in the environment are the cause of much concern to societies and regulatory authorities around the world. There

are numerous methods for abatement of organic and inorganic compounds from the wastewater such as filtration, electrolysis, precipitation, ion exchange, coagulation, and adsorption processes. Most of these methods require high capital and recurring expenditure and consequently they are not suitable for small-scale industries. Besides, all the above-mentioned methods, photocatalysis is a highly effective and cheap process than

the other methods. The search for novel technologies for the remediation and reduction of pollutants has attracted attention to adsorption phenomenon. The adsorption process involves a solid phase (biosorbent) and a liquid phase (solvent, normally water) containing dissolved species to be sorbed (sorbate, metal ions). As sorbent possess higher affinity for the sorbate species, the latter is attracted and attaches thereby different mechanisms. Metallic oxide nanoparticles are crystalline solids consisting of a metal cation and an oxide anion. Metals with high oxidation state forms oxides. Ionic metal oxides react with water to produce hydroxides. Transition metal oxides are compounds composed of oxygen atoms bound to transition metals. These are mainly used for their enhanced catalytic activity and semiconductor properties. Due to presence of superior physical and chemical properties, metal oxide nanoparticles express potential environmental remediation applications. When compared to bulk materials, they display novel properties that lead to the development of electronic and optoelectronic nano-devices with superior performance. It is well known that size and morphology are very important parameters in nanostructures. But there is limited information about the use of different nanoparticles as a photocatalytic removal of different pollutants from wastewater and in agriculture soils. Among the oxide nanoparticles,

Titanium dioxide and zinc oxide and Iron oxide are the main compounds used in environment remediation study. Titanium Dioxide (TiO₂), Zinc Oxide (ZnO) and Iron Oxide (FeO) nanoparticles are unique materials with band gap 3.2 eV, 3.37 eV, and 3.06 eV, correspondingly & wavelength of all three particles is above 400 nm. This means that UV light irradiation with a wavelength lower than 400 nm begins a photoreaction. The characteristic of TiO₂, ZnO, FeO is the more powerful oxidative power of the VB holes than the reducibility of photo-induced electrons. Morphology, crystal structure, and elemental composition as characterization are important to understand nanoparticles based study. Widespread techniques used for morphological analysis are Transmission electron microscopy (TEM), Scanning Electron Microscopy (SEM), Atomic Force Microscopy (AFM); Particle Size Analysis (PSA), Dynamic Light Scattering (DLS), etc. Chemical-based Techniques used are X-Ray Photoelectron Spectroscopy (XPS), X-Ray Diffraction (XRD), Fourier Transform Infrared Spectroscopy (FTIR), Ultraviolet-Visible Spectroscopy (UV-Vis Spectroscopy), and Energy Dispersive X-Ray Spectroscopy (EDX). In the present era, thousands of dyes and pigments are produced in industries. A significant increase in the use of

synthetic complex organic dyes as coloring material by textile industry has been presented. Comprehensively, synthetic dyestuffs are used in paper, textiles, printing industries, and dye houses. Estimation for the loss of color in waste stream during the manufacturing or processing operations of textile dyes indicates approximately 10 to 20% loss. Textile wastewater poses carcinogenic and genotoxic properties and affects the immune system and reproductive system. It is reported that most of the dyes and poisonous metals used in the color industries are stable to light and are non-biodegradable. In order to reduce the risk of environmental pollution from such waste, it is mandatory to treat them before discharging into the environment. Nanophotocatalyst can decompose most organic or inorganic substances in air or water by photocatalytic oxidation and reduce harmful inorganic substances in water. Current use of nanomaterials has been expanded in every fields of science including agriculture. Plants are very crucial to human and their surroundings but very few studies have been performed to assess the potentiality of nanoparticles in agriculture crops. It has been reported that use of micronutrient fertilizers in the form of NPs is a crucial way to release desired nutrients gradually and in a controlled way, which is fundamental to diminish the problems of fertilizer pollutions.

It is because of that when materials are transformed to a nanoscale, which they revolutionize, their physical, chemical, and biological properties as well as catalytic properties and even more increase the chemical and biological activities. It is demonstrated that micronutrients in the form of NPs can be used in crop production to increase yield. Study on the effect of nanoparticles on the germination, growth and yield of crops is the need of an hour. Despite their great potential, the use of

nanoparticles suffers certain restrictions under industrial process conditions like loss of nanoparticles, difficulty in separation and reuse of nanoparticles. To circumvent these limitations, several strategies for immobilization of nanocatalysts in polymer have been suggested. Nanoparticles immobilization appears to be an attractive approach to develop efficient catalyst with improved performances such as enhanced resistance to thermal and

chemical inactivation, remarkable storage and operational stabilities, short response time and high reproducibility and reuse. Recently various immobilization materials like Calcium alginate beads, Chitosan, Polyvinyl Alcohol, Nanoporous Silica Gel, Polyacrylamide have been used for immobilization by researchers. Entrapment in Calcium alginate beads is of particular interest because of very mild and simple preparation conditions, non-

toxicity, low cost and best performance. Indeed, Alginate is a natural anionic polysaccharide comprised of repetitive units of -L-guluronic acid and -D-mannuronic acid residues. Alginate chains are usually prepared by cross-linking of Guluronic acid with Mannuronic acid residues in the presence of divalent cations like Ca^{2+} , Ba^{2+} , Co^{2+} . Therefore, in the present study an effort has been made on comparative investigations on synthesis,

characterization of metallic nanoparticles and their applications in dye decolouration, biocidal activity, and abatement of pollutants from industrial effluents and agriculture. The present book would certainly be helpful to graduates, researchers, industrialists, practitioners and managers to use it as benchmark, concrete and conclusive remarks for dye decoloration as well as nutrients remediation of natural and anthropogenic industrial effluents

using synthesized metallic nanoparticles at lab and industrial scales at regional, national and global scales. Actual Problems of Applied Sciences Journal World Springer This book contributes to the on-going debates on climate change by focusing on the SDGs and exploring linkages between environmental change and food security as well as the relevance and need to consider the management of natural resources, especially water, soil and forest. Compared to

relevant existing publications, this book covers case studies that capture the everyday realities of the local people and how they react and adapt to similar situations in different geographical settings. Each case study presented in this book gives a particular message. The strength of this book lies in the fact that it covers the most neglected topics in climate negotiations in spite of the fact that these decide the fate of millions of people around the world, especially the developing

countries. By presenting a collection of case studies from Africa, Asia and Europe, this book encourages cross-continental knowledge sharing. The scope of the book ranges from impacts to mitigation and from in-field experiments to policy implementation. It contributes to the existing knowledge on climate-food nexus and connects climate change to sectors it could impact directly. All chapters in this book emphasise local ownership of strategy processes,

effective participation from all levels, and high-level commitment. Besides being relevant for the academicians and scholars working in the field of climate change, forest and agriculture, it aims to catch interest of the policy makers and practitioners to understand ground realities for appropriate action. It is also bound to make an impact on the Non-Governmental Organizations around the world and in the three different continents that this book covers, considering the indigenous and

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| <p>local issues highlighted in this book.</p> <p><u>Leadership Sanchi Foundation</u> ® Social Sciences and Interdisciplinary Behavior contains papers that were originally presented at the 4th International Congress on Interdisciplinary Behavior and Social Science 2015 (ICIBSoS 2015), held 22-23 October 2015 at The Institute of Management, Economics and Finance of the Kazan Federal University, Kazan, Russia and 7-8 November 2015 in Arya Duta Hotel,</p> | <p>Jakarta, Indonesia. The contributions deal with various interdisciplinary research topics, particularly in the fields of social sciences, education, economics and arts. The papers focus especially on such topics as language, cultural studies, economics, behavior studies, political sciences, media and communication, psychology and human development.</p> <p><u>Applications of Nanomaterials: A Novel Approach for Pollution Abatement in Industries</u> CRC Press</p> | <p>As an emerging global phenomenon, Islamic economics and the financial system has expanded exponentially in recent decades. Many components of the industry are still unknown, but hopefully, the lack of awareness will soon be stilled. The Handbook of Research on Theory and Practice of Global Islamic Finance provides emerging research on the latest global Islamic economic practices. The content within this publication examines risk management,</p> |
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economic justice, and stock market analysis. It is designed for financiers, banking professionals, economists, policymakers, researchers, academicians, and students interested in ideas centered on the development and practice of Islamic finance. Anthropometry, Apparel Sizing and Design Springer

The common fig *Ficus carica* L. is an ancient fruit native to the Mediterranean. Dried figs have been successfully produced and processed in arid regions with little sophisticated

infrastructure for centuries. Figs are rich in fibre, trace minerals, polyphenols and vitamins, with higher nutrient levels than most fruits. Advances in agricultural production and postharvest technologies have not only improved the efficiency of dried fig production but have facilitated the development of high value fresh fig industries both for export and domestic markets. The result is high quality fresh figs that are marketed internationally throughout the year. This book provides a comprehensive summary of fig growing, processing and marketing from

a scientific and horticultural perspective. Actual Problems of Applied Sciences Journal World Actual Problems of Applied Sciences Journal World International Journal of Advanced Remote Sensing and GIS (IJARSG, ISSN 2320 – 0243) is an open-access peer-reviewed scholarly journal publishes original research papers, reviews, case study, case reports, and methodology articles in all aspects of Remote Sensing and GIS including associated fields.

This Journal commits to working for quality and transparency in its publishing by following standard Publication Ethics and Policies.

Frontiers in Plant – Soil Interaction CRC Press

This proceedings book captures a wide range of timely themes for readers to be able to foresee the digital era's impact on English teaching in non-English speaking countries. English used in the global environment, the frequent mobile communication, and the use of AI-

based translators are bringing about dramatic changes in our English language learning and teaching. Who can provide us the wisdom to know what to do? Those scholars going through these complex environmental changes! A collection of puzzle pieces may bring us a better contour for the future than a perfectly edited book. It's indeed a pleasure reading these insightful pieces to gain wisdom for the future of ELT practices in global contexts.