World Applied Sciences Journal

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Mutation Breeding in Chickpea: **International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies**
The collection of materials of the international scientific conference "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 knowledge in various scientific fields. It publishes review articles in interdisciplinary areas in which significant contributions are made.
Leadership BoD – Books on Demand
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 photocatalytical 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 Ca-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 Ca2+, Ba2+, Co2+. 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.
Social Sciences and Interdisciplinary Behavior BoD – Books on Demand
Leadership is viewed as a phenomenon allowing advantages for organizations and their success. Although much research has been done on the concept of leadership, many studies do not include the different styles, perspectives, and contexts of leadership. As such, this book aims to fill this gap by combining several studies on leadership from different perspectives. The various chapters address such topics as millennial leaders, Theory X style leadership, leadership in the turbulent environment, emotional intelligence, and much more. This volume shows how new insights about leadership can stimulate organizational development in various countries and regions worldwide.
Actual Problems of Applied Sciences Journal World CRC Press
Actual Problems of Applied Sciences Journal WorldIndependently Published
Progress IPS LLC
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.
Recent Trends in Social and Behaviour Sciences Actual Problems of Applied Sciences Journal World
The use of environmentally safe products is an emerging and popular trend throughout various industries. Product manufacturing and sales has changed in order to incorporate green initiatives that will appeal to this fast-growing market. Driving Green Consumerism Through Strategic Sustainability Marketing is an essential reference source for the latest scholarly research on the latest trends of consumerism and its effect and implications on the environment. Featuring coverage on topics and perspectives such as nutricosmetic products, green marketing, and animal products, this publication is ideal for those interested in aspects of green consumerism.
Probiotic Dairy Products CRC Press
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.
Driving Green Consumerism Through Strategic Sustainability Marketing Springer
The collection of materials of the international scientific conference "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 knowledge in various scientific fields. It publishes review articles in interdisciplinary areas in which significant contributions are made. Journals Covered by Leading Indexing Databases Open European Academy of Public Sciences aims to have all of its journals covered by the Science Citation Index Expanded (SCIE) and Scopus and Web of Science indexing systems. Several journals have already been covered by SCIE for several years and have received official Impact Factors. Some
Membrane Technology for Water and Wastewater Treatment in Rural Regions CABI
This book constitutes the refereed proceedings of the 11th Joint Conference on Knowledge-Based Software-Engineering, JCKBSE 2014, held in Volgograd, Russia, in September 2014. The 59 full and 3 short papers presented were carefully reviewed and selected from 197 submissions. The papers are organized in topical sections on

methodology and tools for knowledge discovery and data mining; methods and tools for software engineering education; knowledge technologies for semantic web and ontology engineering; knowledge-based methods and tools for testing, verification and validation, maintenance and evolution; natural language processing, image analysis and recognition; knowledge-based methods and applications in information security, robotics and navigation; decision support methods for software engineering; architecture of knowledge-based systems, including intelligent agents and softbots; automating software design and synthesis; knowledge management for business processes, workflows and enterprise modeling; knowledge-based methods and applications in bioscience, medicine and justice; knowledge-based requirements engineering, domain analysis and modeling; intelligent user interfaces and human-machine interaction; lean software engineering; program understanding, programming knowledge, modeling programs and programmers.

Knowledge Management BoD – Books on Demand

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.

Climate Change, Food Security and Natural Resource Management IGI Global

Modern societies develop very quickly. However, along with rapid economic growth, comes risk to the economic system. That is why there is a need for study of the institutional base on which modern society is built to enable more effective management and better forecasting for further development. Existing studies and publications on the economic and legal foundations of modern society do not take into account the institutional aspects of its development and thus do not fully reflect its sense and content. This book aims to fill this gap in scientific knowledge. This book views the economic and legal foundations of modern society through the lens of a new institutional theory in relation to Russia. The author focuses on Russia – a unique economic system with a developing market, involved in the processes of international economic globalization and integration. The author analyzes actual problems and perspectives of the development of the modern Russian economy through the prism of a new institutional theory. Institutional theory allows for determination and analyzing foundation of society functioning, and “rules of the game”. Without understanding the institutional foundations, consideration of applied issues of development of economy will be fragmentary, as it would be impossible to understand the logic of existing status quo and perspectives of its change in future. This book should fill this gap in modern scientific knowledge.

Applied Chaos and Complexity Theory in Education OECD Publishing

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.

Economic and Legal Foundations of Modern Russian Society Google Play Books

As a field of mathematical study, chaos and complexity theory analyzes the state of dynamical systems by evaluating how they interact, evolve, and adapt. Though this theory impacts a variety of disciplines, it also has significant influence on educational systems and settings. Applied Chaos and Complexity Theory in Education examines the application of the theories of chaos and complexity in relation to educational systems and institutions. Featuring emergent research and perspectives on mathematical patterns in educational settings and instructional practices, this book is a comprehensive reference source for researchers, scholars, mathematicians, and graduate students.

Mapping – an outlook of stakeholders IGI Global

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.

Applications of Nanomaterials: A Novel Approach for Pollution Abatement in Industries Archers & Elevators Publishing House

Mapping Innovations – an outlook of stakeholders – Collection of Award Winning & Selected Essays – by various authors @ NSD2021BLR https://nationalscienceday.in NATIONAL SCIENCE DAY The National Science Day is celebrated on 28 February of every year since 1986. The day celebrates the discovery of scattering of light by the renowned Indian physicist Sir. C. V. Raman at the Indian Association for the Cultivation of Science in Kolkata, on 28? February 1928. For this discovery, Sir. C.V. Raman was awarded the Nobel Prize in 1930. The importance of celebrating science day is to herald the significance of science and scientific temper in daily life, get inspired by scientists and their scientific contributions to human welfare. ABOUT NSD2021 BLR Across the world 2020-21 has impacted the life of this planet by Covid-19-Pandemic. The human race has been fighting hard to win this war with courage. The life has been turning normal or so-called new normal by adopting digital possibilities with grace. NSD 2021 BLR was conceptualised to continue uplifting the spirit of Science Communication amidst this situation. Copyright © SJR College for Women, Rajajinagar, Bengaluru Editors: Dr. Kamala Y. C, Dr. Prema Siddharaju, Smt. S. N. Manjula Edition: 2021 Cover & Book Design: Techfiz Inc. Printed book Publisher & Digitization Sponsor Sanchi Foundation ®, Bengaluru Ebook Digitization Partner & Ebook Publisher Techfiz Inc. Bengaluru

Medical Imaging CRC Press

Application of Semi-Analytical Methods for Nanofluid Flow and Heat Transfer applies semi-analytical methods to solve a range of engineering problems. After various methods are introduced, their application in nanofluid flow and heat transfer, magnetohydrodynamic flow, electrohydrodynamic flow and heat transfer, and nanofluid flow in porous media within several examples are explored. This is a valuable reference resource for materials scientists and engineers that will help familiarize them with a wide range of semi-analytical methods and how they are used in nanofluid flow and heat transfer. The book also includes case studies to illustrate how these methods are used in practice. Presents detailed information, giving readers a complete familiarity with governing equations where nanofluid is used as working fluid Provides the fundamentals of new analytical methods, applying them to applications of nanofluid flow and heat transfer in the presence of magnetic and electric field Gives a detailed overview of nanofluid motion in porous media

Handbook of Research on Managerial Practices and Disruptive Innovation in Asia Springer

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.

Actual Problems of Applied Sciences Journal World Bloomsbury Publishing

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.

ITJEMAST 10(13) 2019 Walter de Gruyter GmbH & Co KG

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.

Applications of Semi-Analytical Methods for Nanofluid Flow and Heat Transfer Academic Press

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, 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.