Integrated Engineering Physics By Amal Chakraborty Pdf

Polymers and Two-Dimensional NanocompositesFormulation of Monoclonal Antibody TherapiesSocial Protection Programmes in IndiaEngineering Multi-Agent SystemsInternet of Things – ICIOT 2021International Strategy of Emerging Market FirmsAdvancement in Polymer-Based Membranes for Water RemediationUrban Water Ecosystems in Africa and AsiaAl Based Solutions for Inclusive Quality EducationEconomic and Political Weekly Rotimi Sadiku Amal Ali Elkordy Pinaki Das Amal El Fallah-Seghrouchni Bedir Tekinerdogan Andrei Panibratov Sanjay K. Nayak Shamik Chakraborty K.M. Soni Polymers and Two-Dimensional Nanocomposites Formulation of Monoclonal Antibody Therapies Social Protection Programmes in India Engineering Multi-Agent Systems Internet of Things – ICIOT 2021 International Strategy of Emerging Market Firms Advancement in Polymer-Based Membranes for Water Remediation Urban Water Ecosystems in Africa and Asia Al Based Solutions for Inclusive Quality Education Economic and Political Weekly *Rotimi Sadiku Amal Ali Elkordy Pinaki Das Amal El Fallah-Seghrouchni Bedir Tekinerdogan Andrei Panibratov Sanjay K. Nayak Shamik Chakraborty K.M. Soni*

polymers and two dimensional nanocomposites provides a detailed review of recent progress in this important research field the chapters cover new developments in synthesis methods fabrication techniques sample preparation methods surface modification characterization methods of enhancing the properties of these materials and industrial applications in energy environmental oil and gas sensors corrosion biomedical and structural applications the book provides a valuable reference resource for academic and industrial researchers materials scientists and engineers working in the fields of polymer science and engineering polymer composites and nanocomposites covers recent developments in synthesis characterization properties and applications discusses new fabrication techniques and how to select the right processing conditions systematic presentation of theoretical and experimental investigation of properties for various industrial applications attention is given to current challenges and future improvements

formulation of monoclonal antibody therapies from lab to market covers a wide range of topics about therapeutic monoclonal antibodies mabs with a focus on formulation aspects therapeutic monoclonal antibodies are used for treatment of chronic

diseases it brings together a comprehensive knowledge in one accessible volume starting with foundational information on monoclonal antibodies the book then discusses the importance of biopharmaceutical products monoclonal antibodies and biosimilars in treatment of chronic diseases pharmaceutical aspects of mabs and how it can be administered it also covers the industrial point of view and the clinical application of mabs including in oncology general medicine rheumatology hematology dermatology gastrointestinal tract metabolic diseases and dentistry formulation of monoclonal antibody therapies from lab to market is essential reading for researchers in biotechnology and biopharmaceutical fields academics and pharmaceutical industrial scientists and university students in pharmaceutical and biopharmaceutical sciences covers details of recent advances in using mabs examines how to overcome the challenges for formulations of therapeutic mabs includes clinical application of mabs

the present monograph is an exclusive study of social protection programmes that form the social protection floor in rural india the background objectives targeted group s provision of benefits fund allocation coverage and impact of twenty five important social protection programmes were analysed across states of india with special reference to the less development region of west bengal which was adversely affected by extreme maoist movement based on the original research and extensive data the present monograph would also make a humble attempt aimed at collecting basic information of households on different aspects of social protection schemes and poverty situation to analyse the entitlements of the households relating to social protection benefits and to examine the impact of social protection benefits on food insecurity monetary poverty multidimensional poverty and deprivations of the households in the less developed region

this book constitutes the revised and selected papers from the 5th international workshop on engineering multi agent systems held in sao paulo brazil in may 2018 in conjunction with aamas 2018 the 11 full papers presented in this volume were carefully reviewed and selected from 18 submissions the book contains also the best paper of the workshop that has been published previously in another lncs volume the emas workshop focusses on the cross fertilisation of ideas and experiences in the various fields with the aim to enhance knowledge and expertise in mas engineering to improve the state of the art to define new directions for mas engineering to investigate how established methodologies for engineering and large scale and open mas can be adapted

this book constitutes the proceedings of the 6th international conference on internet of things iciot 2021 held virtually as part of scf 2021 during december 10 14 2021 the 8 full papers presented in this volume were carefully reviewed and selected from numerous submissions the conference internet of things iciot 2021 covers state of the art technologies and best practices of

internet of things as well as emerging standards and research topics which would define the future of internet of things

emerging economies are expected to be in the driver s seat of the global economy in the medium and long term large multinational corporations will account for much of this activity in this textbook andrei panibratov explains how emerging market firms accumulate and exploit market knowledge to develop competitive advantages whilst operating globally chapters dedicated to the key emerging economies brazil russia india and china bric are enhanced by detailed case studies of large firms activities the book is divided into four parts focusing on the following an outline of the relevant terminology and the context of the international strategy of emerging market firms providing an introductory foundation for the whole book a guide to the evolution of perspectives regarding international strategy designed to illustrate the changes and trends in the recent academic research on internationalization a country by country illustration of the internationalization of bric economies and firms providing an overall picture of each country's global integration outward investments and strategies the concepts and practices behind the strategies employed by different firms written by an established international business scholar this book is essential reading for students of international strategy who wish to understand the importance of the emerging economies

advancements in polymer based membranes for water remediation describes the advanced membrane science and engineering behind the separation processes within the domain of polymer based membrane systems in water remediation emphasis has been put on several aspects ranging from fundamental concepts to the commercialization of pressure and potential driven membranes updated with the latest technological progresses and relevant polymer materials and application potential towards water treatment systems also included in this book are advances in polymers for membrane application in reverse osmosis nanofiltration ultrafiltration microfiltration forward osmosis and polymeric ion exchange membranes for electrodialysis and capacitive deionization with its critical analyzes and opinions from experts around the world this book will garner considerable interest among actual users i e scientists engineers industrialists entrepreneurs and students evaluates water remediation using pressure driven and potential driven membrane processes reviews emerging polymer systems for membranes preparation offers a comprehensive analysis in the development of polymer based membranes and their applications in water remediation analyzes membrane performance parameters to evaluate separation efficiency for various water pollutants covers concept to commercialization aspects of polymer based membranes in terms of water purification pollutant removal stability and scalability

this book examines urban water ecosystem management and restoration through selected case studies in asia and africa employing a socioecological approach this volume presents insights on the interlinkages between water humans and environmental conservation in an urban context topics include human health risks population displacement and migration water

pollution water scarcity flood management water infrastructure afforestation and the effects of climate change case studies are drawn from a variety of countries in africa and asia including china japan india vietnam bangladesh kenya malawi and tunisia which demonstrate a wide range of different challenges and opportunities overall this book argues that to better manage urban water resources there needs to be a shift from urban water management to urban water ecosystem management this shift needs to acknowledge the complex biophysical and socio political dimensions of water ecosystems this book will be of great interest to students and scholars of water resource management ecosystem services urban studies environmental conservation and sustainable development

ai based solutions for inclusive quality education helps readers discover practical ai tools for diverse learning styles and abilities fostering inclusivity in education and maximizing the individual potential of students and educators it provides cutting edge solutions designed to remove barriers due to accessibility and create an equitable classroom through practical applications and case studies the book explores the power of ai in creating personalized learning pathways and methods of engagement in the classroom while emphasizing that the human touch with empathy and critical thinking remains central to the learning process it addresses concerns about the ethical development and deployment of ai in education features discusses a topic that is at the forefront of concerns in the education sector with the disruptive impact of advances in ai provides explanations for specific ai platforms and tools along with their features and applications in education includes case studies and discusses inclusivity and the lessons learned from each ai application explains how to ethically handle bias privacy and transparency in ai based solutions in education serves as a comprehensive guide for educators policymakers and technology developers interested in the power of ai in educational environments this book serves as a timely reference in the current era of ai tools and education it is written for those who work in the education sector as well as researchers academicians undergraduate and graduate students those involved with undergraduate teaching in critical thinking and problem solving for information systems information technology computer science and engineering and all teaching institutions where ai tools have been or will be introduced

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