

Jt Travel Sim Guide Jt Global

This comprehensive guide to the ferns of southern Africa (covering South Africa, Swaziland, Lesotho, Botswana and Namibia) throws new light on a fascinating category of plants that is little known by the general public. User-friendly and accessible, it will enable quick and sure identification of all 321 ferns known to occur in the region. Each species features a double-page spread with a full plate of photographs (including close-ups); informative line drawings where necessary; clear text descriptions; tables that highlight differences between similar-looking species; and distribution maps based on years of intensive fieldwork. In addition, there are identification keys to families, genera and species. To compile this book the authors travelled extensively and took some 30 000 photographs, even finding several new species of fern. They are all treated in this guide – some described here for the first time. This unique and beautiful volume will become the standard reference book on the ferns of southern Africa.

The health effects of psychosocial factors are a widely discussed and controversial topic. Do positive and negative emotions affect our risk of developing physical disease? Are depressive individuals more likely to have cancer than those with an optimistic outlook on life? And what is the role of IQ in staying healthy and recovering from disease? Importantly, can we improve our health and life expectancy by avoiding certain psychosocial risk factors and maximizing positive psychological well-being? These and other questions are the focus of psychosocial epidemiology, a discipline linking psychological, social and biological sciences. The Routledge International Handbook of Psychosocial Epidemiology is the first book to map this growing discipline. Including contributions from many of the leading researchers in the field, it is divided into five sections: Part I: Methodological challenges in studying psychosocial factors and health; Part II: Psychosocial factors in the etiology and prognosis of chronic diseases; Part III: Controversies in the psychosocial approach; Part IV: Interventions and policy implications Part V: Future research directions Taking advantage of a huge growth in research in recent years, the book provides the reader with the essentials to evaluate the diverse set of studies on psychosocial factors and health that are published today, and describes study designs in this field of research, progress in judging the validity of epidemiological evidence, as well as challenges in translating evidence into action. This is an important and timely book. Providing methodological rigour, critical analysis and the policy implications of this emerging field of study, The Routledge International Handbook of Psychosocial Epidemiology will be an invaluable resource for students and researchers within both behavioural and medical sciences, as well as policy makers and others working in health and social care.

The COVID-19 pandemic caused educational institutions to close for the safety of students and staff and to aid in prevention measures around the world to slow the spread of the outbreak. Closures of schools and the interruption of education affected billions of enrolled students of all ages, leading to nearly the entire student population to be impacted by these measures. Consequently, this changed the educational landscape. Emergency remote education (ERE) was put into practice to ensure the continuity of education and caused the need to reinterpret pedagogical approaches. The crisis revealed flaws within our education systems and exemplified how unprepared schools were for the educational crisis both in K-12 and higher education contexts. These shortcomings require further research on education and emerging pedagogies for the future. The Handbook of Research on Emerging Pedagogies for the Future of Education: Trauma-Informed, Care, and Pandemic Pedagogy evaluates the interruption of education, reports best-practices, identifies the strengths and weaknesses of educational systems, and provides a base for emerging pedagogies. The book provides an overview of education in the new normal by distilling lessons learned and extracting the knowledge and experience gained through the COVID-19 global crisis to better envision the emerging pedagogies for the future of education. The chapters cover various subjects that include mathematics, English, science, and medical education, and span all schooling levels from preschool to higher education. The target audience of this book will be composed of professionals, researchers, instructional designers, decision-makers, institutions, and most importantly, main-actors from the educational landscape interested in interpreting the emerging pedagogies and future of education due to the pandemic.

A timely book containing foundations and current research directions on emotion recognition by facial expression, voice, gesture and biopotential signals This book provides a comprehensive examination of the research methodology of different modalities of emotion recognition. Key topics of discussion include facial expression, voice and biopotential signal-based emotion recognition. Special emphasis is given to feature selection, feature reduction, classifier design and multi-modal fusion to improve performance of emotion-classifiers. Written by several experts, the book includes several tools and techniques, including dynamic Bayesian networks, neural nets, hidden Markov model, rough sets, type-2 fuzzy sets, support vector machines and their applications in emotion recognition by different modalities. The book ends with a discussion on emotion recognition in automotive fields to determine stress and anger of the drivers, responsible for degradation of their performance and driving-ability. There is an increasing demand of emotion recognition in diverse fields, including psycho-therapy, bio-medicine and security in government, public and private agencies. The importance of emotion recognition has been given priority by industries including Hewlett Packard in the design and development of the next generation human-computer interface (HCI) systems. Emotion Recognition: A Pattern Analysis Approach would be of great interest to researchers, graduate students and practitioners, as the book Offers both foundations and advances on emotion recognition in a single volume Provides a thorough and insightful introduction to the subject by utilizing computational tools of diverse domains Inspires young researchers to prepare themselves for their own research Demonstrates direction of future research through new technologies, such as Microsoft Kinect, EEG systems etc.

Promotes a model of critique for teachers, scholars, and policy makers to challenge established educational practice in a global context. The Wiley International Handbook of Educational Foundations features international scholars uniquely qualified to examine issues specific to their regions of the world. The Handbook provides readers with an alternative to the traditional texts in the foundations of education by taking aim at the status quo, and by offering frameworks from which teachers and scholars of education can critically evaluate schools and schooling.

Throughout, the essays are grounded in a broad historical context and the authors use an international lens to examine current controversies in order to provoke the kinds of discussion crucial for developing a critical stance. The Handbook is presented in six parts, each beginning with an Introduction to the subject. The sections featured are: Part I. Challenging Foundational Histories and Narratives of Achievement; Part II. Challenging Notions of Normalcy and Dominion; Part III. Challenging the Profession; Part IV. Challenging the Curriculum; Part V. Challenging the Idea of Schooling; and Part VI. Challenging Injustice, Inequity, and Enmity. The Wiley International Handbook of Educational Foundations offers unique insight into subjects such as: Educational reform in India, Pakistan, and China The global implications of equity-driven education Teacher education and inclusionary practices The Global Educational Reform Movement (G.E.R.M.) Education and the arts Maria Montessori and Loris Malaguzzi Legal education in authoritarian Syria The Wiley International Handbook of Educational Foundations is an important book for current and aspiring educators, scholars, and policy makers.

Full-colour throughout, The Rough Guide to Southwest China is the ultimate travel guide to one of the world's most compelling regions. With 30 years experience and our trademark 'tell it like it is' writing style, Rough Guides cover all the basics with practical, on-the-ground details, as well as unmissable alternatives to the usual must-see sights. At the top of your to-pack list, and

guaranteed to get you value for money, each guide also reviews the best accommodation and restaurants in all price brackets - we know there are times for saving, and times for splashing out. In The Rough Guide to Southwest China: - Over 50 colour-coded maps featuring every listing - Area-by-area chapter highlights - Chinese characters/pinyin in the text to help with pronunciation - Top 5 boxes - Things not to miss section Make the most of your trip with The Rough Guide to Southwest China. Now available in PDF format.

Paving the Way for an Open Service Market We live in an age when powerful communications technology is becoming available to everyone. From our home we can send and receive not only analogue voice, but also growing volumes of digital information and even intelligence in the form of agents. We are becoming increasingly mobile and are expecting the same level of connectivity in the home, in the office, and on the road. The regulatory and commercial environment in which we communicate is changing. The telecommunications market is becoming increasingly competitive. The Internet is erasing the borders between information technology and telecommunications. And the way we do business is ever more dominated by electronic exchanges of information. Is our technology ready for the open market of networks and services? Can we manage the growing complexity of computing and telecommunications technology and place it at the service of the people? The challenge for the research community is to develop the tools and techniques that will ultimately bring the full power of communications and information to everyone, in a way that everyone can easily use. The Sixth International Conference on Intelligence in Services and Networks (IS&N'99) is all about technology for paving the way to the open services market. Since the first IS&N conference in 1992 the focus of the IS&N program has continually shifted. We see existing technologies maturing while new ones emerge, but the bottom line has always been putting technology at the service of the people.

An essential guide to a number of important theories of professional learning, of particular value both to those taking on new responsibilities in relation to initial teacher education (ITE) and those interested in developing new ways of working in partnership. Each chapter provides a concise and critical overview of a key theory and then considers how it might impact on the processes and organisation of teacher education, drawing on key pieces of literature throughout. The book responds to the growth of interest and research in professional and work-based learning including ideas such as communities of practice, activity theory and socio-cultural theory alongside already established models such as those of Schön, Eraut and Shulman. In addition changing models of teacher education mean there are new ways of understanding professional learning as practices, roles and identities are re-established.

Addresses the major issues involved in computer design and architectures. Dealing primarily with theory, tools, and techniques as related to advanced computer systems, it provides tutorials and surveys and relates new important research results. Each chapter provides background information, describes and analyzes important work done in the field, and provides important direction to the reader on future work and further readings. The topics covered include hierarchical design schemes, parallel and distributed modeling and simulation, parallel simulation tools and techniques, theoretical models for formal and performance modeling, and performance evaluation techniques.

The ebook edition of this title is Open Access and freely available to read online This handbook features theoretical, empirical, policy and legal analysis of technology facilitated violence and abuse (TFVA) from over 40 multidisciplinary scholars, practitioners, advocates, survivors and technologists from 17 countries

Globalization challenges social work with constant social change, making a social worker's job and the task of social work education more complex and uncertain. Post-modern thinking suggests that social workers must learn to cope with complexity in ways that are in tension with the increasingly managerialist organization of the social services. The authors explore and question the concepts of 'postmodern', 'international' and 'global' in light of growing interest in international social work in the early 21st century. Emphasizing the importance of critical reflection, they argue that educational colonization can be challenged and effective anti-discriminatory and pro-equality practice and education promoted. Each chapter provides direct examples of how students and academics can apply these ideas in practice and in their learning, and how they can respond to and influence the challenges and changes that are taking place. The authors also examine educational and practice issues arising from attempts to incorporate international understanding into national practice and education systems. The book is designed to be stimulating to academics interested in international social work while remaining accessible to practitioners and students without international experience.

Plants have been exposed to multiple environmental stressors on long-term (seasonal) and short-term (daily) basis since their appearance on land. However, the frequency and the intensity of stress events have increased much during the last three decades because of climate change. Plants have developed, however, a multiplicity of modular and highly integrated strategies to cope with challenges imposed by novel, usually harsher environments. These strategies include migration, acclimation and adaptation. Twelve articles in this research topic exactly focus on the relative significance of these response mechanisms for the successful acclimation of plants to a wide range of novel environmental pressures. Four articles , additionally, explore how plants respond to severe stress conditions resulting from the concurrent action of multiple stressors. Ten articles mostly examine how morpho-anatomical, physiological and biochemical-related traits integrate when plants suffer from 'novel' threats, such as solid, gaseous, and electromagnetic pollutants. Suitable physiological indicators for developing conservation strategies are described in the last two works. This research topic highlights that bottom-up, as well as, top-down approaches will be necessary to develop in near future in the study of plants' responses to environmental pressures

DK Eyewitness Travel Guide: Great Britain is your indispensable guide to England, Scotland, and Wales. This fully updated guide includes unique cutaways, floor plans, and reconstructions of the must-see sights, such as Stonehenge and Big Ben. The uniquely visual DK Eyewitness Travel Guide will help you to discover Great Britain region by region-whether you are most interested in local festivals and markets or day trips around the countryside. Street-by-street maps of key cities and towns will help you get the most out of your trip, and insider tips and essential local information showcases the best of Great Britain's restaurants, pubs, shops, hotels, and more. What's new in DK Eyewitness Travel Guides: -New itineraries based on length of stay, regional destinations, and themes. -Brand-new hotel and restaurants listings including DK's Choice recommendations. -Restaurant locations plotted on redrawn area maps and listed with sights. -Redesigned and refreshed interiors make the guides even easier to read. With hundreds of full-color photographs, hand-drawn illustrations, and custom maps that brighten every page, DK Eyewitness Travel Guide: Great Britain truly shows you this destination as no one else

can. Now available in PDF format.

Companies from various sectors of the economy are confronted with the new phenomenon of digital transformation and are faced with the challenge of formulating and implementing a company-wide strategy to incorporate what are often viewed as “disruptive” technologies. These technologies are sometimes associated with significant and extremely rapid change, in some cases with even the replacement of established business models. Many of these technologies have been deployed in unison by leading-edge companies acting as the catalyst for significant process change and people skills enhancement. The Handbook of Research on Digital Transformation, Industry Use Cases, and the Impact of Disruptive Technologies examines the phenomenon of digital transformation and the impact of disruptive technologies through the lens of industry case studies where different combinations of these new technologies have been deployed and incorporated into enterprise IT and business strategies. Covering topics including chatbot implementation, multinational companies, cloud computing, internet of things, artificial intelligence, big data and analytics, immersive technologies, and social media, this book is essential for senior management, IT managers, technologists, computer scientists, cybersecurity analysts, academicians, researchers, IT consultancies, professors, and students.

Seven chapters explore the diverse geology of Virginia, from its Appalachian highlands to the Atlantic shore.

This book was developed with the goal of providing an easily understood text for those users of the scanning electron microscope (SEM) who have little or no background in the area. The SEM is routinely used to study the surface structure and chemistry of a wide range of biological and synthetic materials at the micrometer to nanometer scale. Ease-of-use, typically facile sample preparation, and straightforward image interpretation, combined with high resolution, high depth of field, and the ability to undertake microchemical and crystallographic analysis, has made scanning electron microscopy one of the most powerful and versatile techniques for characterization today. Indeed, the SEM is a vital tool for the characterization of nanostructured materials and the development of nanotechnology. However, its wide use by professionals with diverse technical backgrounds—including life science, materials science, engineering, forensics, mineralogy, etc., and in various sectors of government, industry, and academia—emphasizes the need for an introductory text providing the basics of effective SEM imaging. A Beginners' Guide to Scanning Electron Microscopy explains instrumentation, operation, image interpretation and sample preparation in a wide ranging yet succinct and practical text, treating the essential theory of specimen-beam interaction and image formation in a manner that can be effortlessly comprehended by the novice SEM user. This book provides a concise and accessible introduction to the essentials of SEM includes a large number of illustrations specifically chosen to aid readers' understanding of key concepts highlights recent advances in instrumentation, imaging and sample preparation techniques offers examples drawn from a variety of applications that appeal to professionals from diverse backgrounds.

The Routledge International Handbook of Psychosocial Epidemiology Routledge

Medicinal chemistry is a complex science that lies at the very heart of drug discovery. Poor solubility, complex metabolism, tissue retention and slow elimination are just some of the properties of investigational compounds that present a challenge to the design and conduct of ADMET studies. Medicinal chemistry experience and knowledge relating to how a lead structure was modified to solve a specific problem is generally very challenging to retrieve. Presented in a visual and accessible style, this book provides rapid solutions to overcome the universal challenges to optimizing ADMET.

Biodiversity of Pantepui: The Pristine "Lost World" of the Neotropical Guiana Highlands provides the most updated and comprehensive knowledge on the biota, origin, and evolution of the Pantepui biogeographical province. It synthesizes historical information and recent discoveries, covering the main biogeographic patterns, evolutionary trends, and conservational efforts. Written by international experts on the biodiversity of this pristine land, this book explores what makes Pantepui a unique natural laboratory to study the origin and evolution of Neotropical biodiversity under the influence of only natural drivers. It discusses the organisms living in Pantepui, including algae, plants, several groups of invertebrates, birds, amphibians, reptiles, and mammals. The latter portion of the book delves into the effects of human activity and global warming on Pantepui, and current conservational efforts to combat these threats. Biodiversity of Pantepui is an important resource for researchers in ecology, biogeography, evolution, and conservation, who want to understand the biodiversity and natural history of this region, and how to help conserve and protect the Guiana Highlands from environmental and human damages. Offers a climactic and ecological history of the region since the Late Glacial epoch Discusses the evolutionary origin of the Pantepui biota and its biogeographical patterns Led by a team of editors whose expertise includes Pantepui, the Guiana Shield, and the Neotropics in general

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