

aquaculture species is critical in establishing the sustainable growth of the aquaculture industry worldwide, and mucosal health is of particular interest to those working in aquaculture because mucosal surfaces (skin, gill, intestine, reproductive tissues) constitute the first line of defense against pathogen invasion. Mucosal Health in Aquaculture captures the latest research on mucosal barriers in aquaculture species and their impacts on nutrition and immunity to ensure sustainable aquaculture development. Includes research case studies to exhibit the importance of various integrated approaches to mucosal health Examines the latest scientific methods and technologies to maximize efficiencies for healthy fish production for farming Brings together the latest knowledge and research on mucosal barriers and mechanisms from world-wide experts in mucosal health Utilizes detailed diagrams and figures to enhance comprehension

H1N1 ("swine flu"), SARS, mad cow disease, and HIV/AIDS are a few examples of zoonotic diseases--diseases transmitted between humans and animals. Zoonotic diseases are a growing concern given multiple factors: their often novel and unpredictable nature, their ability to emerge anywhere and spread rapidly around the globe, and their major economic toll on several disparate industries. Infectious disease surveillance systems are used to detect this threat to human and animal health. By systematically collecting data on the occurrence of infectious diseases in humans and animals, investigators can track the spread of disease and provide an early warning to human and animal health officials, nationally and internationally, for follow-up and response. Unfortunately, and for many reasons, current disease surveillance has been ineffective or untimely in alerting officials to emerging zoonotic diseases. Sustaining Global Surveillance and Response to Emerging Zoonotic Diseases assesses some of the disease surveillance systems around the world, and recommends ways to improve early detection and response. The book presents solutions for improved coordination between human and animal health sectors, and among governments and international organizations. Parties seeking to improve the detection and response to zoonotic diseases--including U.S. government and international health policy makers, researchers, epidemiologists, human health clinicians, and veterinarians--can use this book to help curtail the threat zoonotic diseases pose to economies, societies, and health.

The present book is the outcome of an Advanced Study Institute meeting, which was held in Kallithea, Chalkidiki, in Northern Greece, from 12-25 May 1991 and attended by 69 delegates from 18 countries. The Institute brought together scientists, engineers and technologists currently involved in basic and applied research on the different aspects of flotation. The Institute covered subjects in four major areas of flotation: a) fundamentals; b) chemical technology aspects; c) mineral processing; and d) water and wastewater treatment. Apart from the papers reproduced in this volume, several short oral communications were also presented. Participants also had the opportunity to visit the Hellenic Chemical Products & Fertilizers Co. Ltd. mixed sulphides plant, in Chalkidiki. Conference participants, whose interest and research projects are in this broad field of science and engineering, provided a well-informed discussion of the problems encountered, as well as possible directions of future technological developments. It is hoped that this book is not only a good record of the presentations made (formal and informal), analyzing the state-of-the-art in flotation, but will also be helpful for students, scientists and technologists working in the fields of separation processes and in particular mineral processing and wastewater engineering. All the invited speakers and the participants made this summer school possible, worthwhile and enjoyable. The sponsorship by the NATO Scientific Affairs Division is gratefully acknowledged. The Editors would like to thank the members of the Organizing Committee, Dr. B.A.

PINEAPPLE DESIGNED LINED JOURNAL NOTEBOOK IS NOW AVAILABLE! This gorgeous journal notebook is cram packed with a ton of funky black and white pineapples on a light blue background. It's a handy size and measures 6 inches by 9 inches with 120 journal lined pages. Great for note taking, list making, brainstorming ideas, doodling, planning and more. It's ideal for the office, to keep at home, for university, school or college, by your bedside, when travelling, on your holidays, in your bag or tote etc. It has plenty of room for writing down your plans, thoughts, ideas, inspirations, dreams and more! It would make a great gift for someone, or just go ahead and treat yourself. We have lots more professionally designed notebooks, journals and planners, (including other Pineapple Designs), just search for BohoJack Press. Handy size Journal Notebook measuring 6 x 9 inches, great to fit in your bag or tote Each journal style lined page has plenty of room for all your notes Beautifully illustrated pineapple designed cover, with a glossy stay clean finish 120 pages made of great quality white paper with black print A great gift idea for your partner, a relative, a friend, a co-worker, your Sister, or just treat yourself! A wonderful gift for Mother's Day, Easter, a Birthday, Christmas, Graduation, or any other special occasion

Reminiscences of the author, special assistant, 1946 to 1959, to Jawaharlal Nehru, 1889-1964, former Prime Minister of India.

Originally published in 1971, this is the important fourth edition of scholarly research into the Linear B tablets from Knossos.

As indicated in the Preface, the contributions to this volume are based upon the papers presented at the symposium on Thermoreceptors and Temperature Regulation held in July 1988 at the Institute of Physiology of the University of Marburg (Federal Republic of Germany) to celebrate and commemorate the life and achievements of HERBERT HENSEL, who directed that Institute from 1955 until his death in 1983, and whose most notable and significant contributions to thermo physiology were in the areas of the properties and characteristics of thermo sensors, mammalian thermoregulation more generally, and the psychophysiology of thermal sensation. All the papers in this volume deal, to a greater or lesser extent, with these discernibly different but closely allied aspects of mammalian physiology. The editors have sought to achieve cohesion, flow, and balance both in the contributed articles and in their order of presentation, without either large gaps or redundancies in the coverage of the recent advances in the understanding of thermoreceptors and thermoregulation. At the same time we have sought to avoid such a degree of editorial control as to destroy the individuality of the contributions, and the judgements upon which they were based. We have also sought to look both backwards and forwards, and to include some legitimate extension of the consideration of thermosensitivity and thermoregulation into such areas as climatic adaptation and fever. Hence the "greater or lesser" of the closeness of this series of papers to HERBERT HENSEL'S scientific interests.

From its earliest days, the American film industry has attracted European artists. With the rise of Hitler, filmmakers of conscience in Germany and other countries, particularly those of Jewish origin, found it difficult to survive and fled to their work and their lives to the United States. Some had trouble adapting to Hollywood, but many were celebrated for their cinematic contributions, especially to the dark shadows of film noir. Driven to Darkness explores the influence of Jewish émigré directors and the development of this genre. While filmmakers such as Fritz Lang, Billy Wilder, Otto Preminger, and Edward G. Ulmer have been acknowledged as crucial to the noir canon, the impact of their Jewishness on their work has remained largely unexamined until now. Through lively and original analyses of key films, Vincent Brook penetrates the darkness, shedding new light on this popular film form and the artists who helped create it.

This annual publication analyses recent trends in migration movements and policies in all OECD member countries and selected non-member economies.

This book gives detailed information about the fabrication, properties and applications of nanoporous alumina. Nanoporous anodic alumina prepared by low-cost, simple and scalable electrochemical anodization process due to its unique structure and properties have attracted several thousand publications across many disciplines including nanotechnology, materials science, engineering, optics, electronics and medicine. The book incorporates several themes starting from the understanding fundamental principles of the formation nanopores and theoretical models of the pore growth. The book then focuses on describing soft and hard modification techniques for surface and structural modification of pore structures to tailor specific sensing, transport and optical properties of nanoporous alumina required for diverse applications. These broad applications including optical biosensing,

electrochemical DNA biosensing, molecular separation, optofluidics and drug delivery are reviewed in separated book chapters. The book appeals to researchers, industry professionals and high-level students.

Since the publication of the first edition in 1999, the science of probiotics and prebiotics has matured greatly and garnered more interest. The first handbook on the market, Handbook of Probiotics and Prebiotics: Second Edition updates the data in its predecessor, and it also includes material topics not previously discussed in the first edition, including methods protocols, cell line and animal models, and coverage of prebiotics. The editors supplement their expertise by bringing in international experts to contribute chapters. This second edition brings together the information needed for the successful development of a pro- or prebiotic product from laboratory to market.

Hydrogen and fuel cells are vital technologies to ensure a secure and CO₂-free energy future. Their development will take decades of extensive public and private effort to achieve technology breakthroughs and commercial maturity. Government research programmes are indispensable for catalysing the development process. This report maps the IEA countries current efforts to research, develop and deploy the interlocking elements that constitute a hydrogen economy, including CO₂ capture and storage when hydrogen is produced out of fossil fuels. It provides an overview of what is being done, and by whom, covering an extensive complexity of national government R&D programmes. The survey highlights the potential for exploiting the benefits of the international co-operation. This book draws primarily upon information contributed by IEA governments. In virtually all the IEA countries, important R&D and policy efforts on hydrogen and fuel cells are in place and expanding. Some are fully-integrated, government-funded programs, some are a key element in an overall strategy spread among multiple public and private efforts. The large amount of information provided in this publication reflects the vast array of technologies and logistics required to build the hydrogen economy.

The second edition of this textbook is a study about the relation between EU law and national public law. Familiar EU doctrines - on procedural autonomy, direct effect, consistent interpretation, ex officio application of European law, and state liability - are used as a starting point for examining the effects of these doctrines in the various Member States. Consideration is also given to important questions concerning the enforcement of EU law in the national legal order, the organization of the judiciary, and the influence of EU law on fundamental principles of (public) law, such as legal certainty, non-discrimination, and proportionality. The book is particularly designed for advanced bachelors and masters courses on -the relation between national law and EU law. Because of the many examples of national case law, the book will be most welcome to any practitioner dealing with European law in a national context. [Subject: European Law, Public Law]

Design decisions that used to be made at the code level are increasingly made at a higher level of abstraction. This shift of focus from implementation to design requires the creation of a consistent, reusable and well-documented specification model. Nowadays, about 40% of embedded system designs are within 20% of functionality expectations. This is partially attributed to the lack of an appropriate approach for functional validation. To improve hybrid system design, this dissertation presents a test method at the model level. The so-called Model-in-the-Loop for Embedded System Test (MiLEST) approach primarily employs a systematic, structured, repeatable, and abstract test specification and concentrates on automation of the test process. A signal-feature - oriented paradigm allows an abstract description of a signal and addresses the problems of the missing reference signal flows as well as systematic test data selection. Numerous signal features are identified while predefined test patterns help build the test specification. Testing then starts in the requirements phase and goes down to the test execution level. MiLEST is implemented in MATLAB/Simulink/Stateflow. Three case studies are presented. They correspond to component, component-in-the-loop, and integration level tests. Moreover, the quality of the resulting test models and test cases are investigated in depth.

DO IT YOURSELF Apply your Canada visitor visa application with confidence and avoid a rejection
 Notion Press
 Jill couldn't help falling for Todd. He was handsome, charming, and they had incredible chemistry, but he had a wife, and they had an arrangement. Learning to live in a poly-amorous relationship was different for everyone involved. But they adjusted. Then entered Dean. Witty, romantic, and entirely available to be Jill's alone, he swept Jill off her feet in a way that would have answered her desires, but now only left her confused. A marriage proposal from Dean brought even more questions. Could Jill learn to be the one?

A completely new guide to migration into Canada, written by a specialist immigration lawyer. CONTENTS: Practical issues related to employment in Canada generally * permanent residence - skilled worker category * permanent residence - family category * permanent residence * provincial nominee programs * permanent residence - business categories * the temporary work permit application process. Appendix A * - studying in Canada. Appendix B * - visiting Canada. Appendix C * - interview and the clearance checks. Appendix D * - practical information for getting ready to come to Canada. Appendix E * - Immigration to Quebec.

Despite India's record of rapid economic growth and poverty reduction over recent decades, rising inequality in the country has been a subject of concern among policy makers, academics, and activists alike. Poverty and Social Exclusion in India focuses on social exclusion, which has its roots in India's historical divisions along lines of caste, tribe, and the excluded sex, that is, women. These inequalities are more structural in nature and have kept entire groups trapped, unable to take advantage of opportunities that economic growth offers. Culturally rooted systems perpetuate inequality, and, rather than a culture of poverty that afflicts disadvantaged groups, it is, in fact, these inequality traps that prevent these groups from breaking out. Combining rigorous quantitative research with a discussion of these underlying processes, this book finds that exclusion can be explained by inequality in opportunities, inequality in access to markets, and inequality in voice and agency. This report will be of interest to policy makers, development practitioners, social scientists, and academics working to foster equality in India.

European Law is a core element of all law degrees in England and Wales. Unlocking EU Law will ensure you grasp the main concepts with ease, providing you with an essential foundation for further study or practice. This new fourth edition is fully up-to-date with the latest developments and includes: The European Union Act 2011 Detailed coverage of the Lisbon Treaty All major new cases? This book is essential reading for students studying EU Law on undergraduate courses in the UK. The UNLOCKING THE LAW series is designed specifically to make the law accessible. Features

include: aims and objectives at the start of each chapter key facts charts to consolidate your knowledge diagrams to aid learning summaries to help check your understanding of each chapter problem questions with guidance on answering a glossary of legal terminology The series covers all the core subjects required by the Bar Council and the Law Society for entry onto professional qualifications, as well as popular option units. The website www.unlockingthelaw.co.uk provides supporting resources such as multiple choice questions, key questions and answers and updates to the law.

As Chairmen of the Electrochemistry and Molten Salts Discussion Groups of the Chemical Society, it gave us great pleasure to welcome the conference Highly Concentrated Aqueous Solutions and Molten Salts, which our Groups cosponsored, at St. John's College, Oxford in July 1978. During the meeting the editors of the present volume, and those giving lectures, came to the conclusion that the verbal presentations deserved to be expanded and to be more widely disseminated in a permanent form. Thus the articles which appear in this volume were commissioned and prepared. A greater exchange of information between aqueous chemists and those concerned with molten salts is to be welcomed and to this end the present volume aims to focus attention on the borderline areas between the two in an attempt to facilitate a wider awareness of the concepts and methods appropriate to the respective specialities. Similarly, and particularly in the electrochemical field, a greater exchange of information between the academic and industrial practitioners of the subject is desirable. The problems involved are not trivial but when the interactions in these largely (but not wholly) ionic liquids are better understood, this will surely be to the benefit of all concerned with solution chemistry. Douglas Inman, Imperial College Chairman, Electrochemistry Group David Kerridge, University of Southampton Chairman, Molten Salts Discussion Group v Preface A number of recent events led to the appearance of this text at this particular time.

America has a new weapon in the war on terror: "Fascinating characters... Masterful."—Steve Berry They can strike anytime, anywhere. A public landmark. A suburban shopping mall. And now, the human body itself. Three Middle Eastern terrorists have been injected with a biological weapon, human time bombs unleashed on American soil. They are prepared to die. To spread their disease. To annihilate millions. If America hopes to fight this enemy from within, we need a new kind of weapon. Meet Special Agent Jericho Quinn. Air Force veteran. Champion boxer. Trained assassin. Hand-picked for a new global task force that, officially, does not exist. Quinn answers only to the Director of National Intelligence and the U.S. President himself. He is under the radar. Brutal. Without limits. And he's America's answer to terrorism, in the debut of the series by the New York Times bestselling author of Tom Clancy Power and Empire... "One of the hottest new authors in the thriller genre...Awesome."—Brad Thor "A formidable warrior readers will want to see more of."—Publishers Weekly

Many laser applications depend on the ability of a particular laser to be frequency tunable. Among the many different types of frequency tunable lasers are: dye lasers, excimer lasers, and semiconductor lasers. This book gives active researchers and engineers the practical information they need to choose an appropriate tunable laser for their particular applications. Presents a unified and integrated perspective on tunable lasers Includes sources spanning the electromagnetic spectrum from the UV to the FIR Contains 182 figures and 68 tables Provides coverage of optical parametric oscillators and tunable gas, liquid, solid state, and semiconductor lasers

Atkins traces the history, causes, and spread of Holocaust denial, illustrating how rational thinkers can come under the sway of fringe ideas. Global HR firm shares its insights and knowledge to help expats thrive in international cities.

Polymers have achieved an enviable position as the class of materials having the highest volume of production, exceeding that of both metals and ceramics. The meteoric rise in the production and utilization of polymers has been due to advances in polymer synthesis which allow the creation of specific and well-defined molecular structures, to new knowledge concerning the relationships between polymer structure and properties, and to an improved understanding of how processing can be used as a tool to develop morphological features which result in desired properties. Polymers have truly become 'engineered materials' in every sense of the term. Polymer scientists and engineers are forever seeking to modify and improve the properties of synthetic polymeric systems for use in specific applications. Towards this end they have often looked to nature for advice on how to design molecules for specific needs. An excellent illustration of this is the use of noncovalent bonding (ionic, hydrogen, and van der Waals) in lipids, proteins, and nucleic acids, where these noncovalent bonds, acting both intra and intermolecularly, precisely control the structure and thus the function of the entire system. The utilization of ionic bonding, in particular in man-made polymers has attracted widespread interest in recent years, since ionic interactions exert a similar strong influence on the structure and properties of these synthetic systems.

[Copyright: 91f87615521466d1be463c547df638d2](http://www.unlockingthelaw.co.uk)