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### **KEY=PAPERS - AMINA HUGHES**

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#### **BEYOND PREJUDICE**

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#### **EXTENDING THE SOCIAL PSYCHOLOGY OF CONFLICT, INEQUALITY AND SOCIAL CHANGE**

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**Cambridge University Press** The concept of prejudice has profoundly influenced how we have investigated, explained and tried to change intergroup relations of discrimination and inequality. But what has this concept contributed to our knowledge of relations between groups and what has it obscured or misrepresented? How has it expanded or narrowed the horizons of psychological inquiry? How effective or ineffective has it been in guiding our attempts to transform social relations and institutions? In this book, a team of internationally renowned psychologists re-evaluate the concept of prejudice, in an attempt to move beyond conventional approaches to the subject and to help the reader gain a clearer understanding of relations within and between groups. This fresh look at prejudice will appeal to scholars and students of social psychology, sociology, political science and peace studies.

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#### **PRINCIPLES OF CRIMINAL LAW**

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This Edition provides Bill of Rights of the 1996 constitution of the Republic of South Af.rica and developments in case law and legislation.

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#### **ON THE TAKE**

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#### **CRIMINALIZING ILLICIT ENRICHMENT TO FIGHT CORRUPTION**

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**World Bank Publications** Developing countries lose an estimated US\$20–40 billion each year through bribery, misappropriation of funds, and other corrupt practices. Often, the most visible manifestation of corruption is the enrichment of a corrupt public official. Despite such visibility, prosecuting corruption can be very problematic, particularly when it requires proving the offer or acceptance of a bribe. Even when the corruption is established in a court of law, linking the proceeds of the crime to the offense in order to recover assets is a complex endeavor. In response, some countries looking to strengthen their overall arsenal against corruption have criminalized illicit enrichment. In its Article 20, the United Nations Convention against Corruption (UNCAC) recommends, but does not mandate, States Parties to adopt illicit enrichment as a criminal offense, defining the same as an intentional and “significant increase in the assets of a public official that he or she cannot reasonably explain in relation to his or her lawful income.” The illicit enrichment offense has spurred significant debates involving due processes of law. Others question how jurisdictions are actually using the offense. Finally, many jurisdictions that serve as financial centers do not recognize illicit enrichment as an offense, so tracing and recovering assets through mutual legal assistance is further complicated in illicit enrichment prosecutions. Against this background, this study provides policy makers, prosecutors, and other practitioners with a better understanding of the features of illicit enrichment. It draws on the preparatory work of international conventions, reviews of existing domestic provisions, and the jurisprudence on illicit enrichment. It is the StAR Initiative's hope that the study will inform the work of decisionmakers considering adopting an illicit enrichment offense, and assist those implementing illicit enrichment to do so in a way that contributes to effective prosecution, confiscation, and asset recovery.

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#### **GAS CAPTURE PROCESSES**

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This book introduces the recent technologies introduced for gases capture including CO<sub>2</sub>, CO, SO<sub>2</sub>, H<sub>2</sub>S, NO<sub>x</sub>, and H<sub>2</sub>. Various processes and theories for gas capture and removal are presented. The book provides a useful source of information for engineers and specialists, as well as for undergraduate and postgraduate students in the fields of environmental and chemical science and engineering.

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## DUGARD'S INTERNATIONAL LAW

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### A SOUTH AFRICAN PERSPECTIVE

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This fifth edition of *International Law: A South African Perspective* is now titled *Dugard's International Law: A South African Perspective*, in recognition of the fact that this work is a continuation of the earlier editions written by John Dugard. The substance of the work has undergone major changes to take account of new developments both on the international legal scene and in South Africa. *Dugard's International Law: A South African Perspective* presents a South African perspective of international law. The basic principles of international law are described and examined with reference to the principal sources of international law. This examination, however, takes place within the context of South African law. South African state practice, judicial decisions and legislation on international law receive equal treatment with international law as it is practised and taught abroad. The present work is designed to assist judicial officers and practitioners, educate students, and guide diplomats in the intricacies of international law both at home in South Africa and abroad.

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### PHYLOGENETIC TREATMENT AND TAXONOMIC REVISION OF THE TRAPDOOR SPIDER GENUS *APTOSTICHUS* SIMON (ARANEAE, MYGALOMORPHAE, EUCTENIZIDAE)

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**PenSoft Publishers LTD** The Californian Floristic Province, located on the Pacific Coast of North America, is a region recognized as a 'biodiversity hotspot'. The area's rich floristic diversity is also reflected in its remarkable diversity of mygalomorph spiders – the group that includes trapdoor spiders, tarantulas, funnel spiders, and their other close relatives. This monograph documents the species diversity currently attributed to the euctenizid genus *Aptostichus* Simon distributed primarily throughout California, but also found in the habitats of Arizona and Nevada. Based on the examination of approximately 2000 specimens from museum and field collections, 40 species are assessed, 33 of which are new to science: *A. dantrippi*, *A. cabrillo*, *A. pennjillettei*, *A. asmodaeus*, *A. nateevansi*, *A. chiricahua*, *A. icenoglei*, *A. isabella*, *A. muiri*, *A. barackobamai*, *A. sinnombre*, *A. hedinatorum*, *A. aguacaliente*, *A. chemehuevi*, *A. sarlacc*, *A. derhamgiulianii*, *A. anzaborrego*, *A. serrano*, *A. mikeradtkei*, *A. edwardabbeyi*, *A. killerdana*, *A. cahuilla*, *A. satleri*, *A. elisabethae*, *A. fornax*, *A. lucerne*, *A. fisheri*, *A. bonoi*, *A. cajalco*, *A. sierra*, *A. huntington*, *A. dorothealangeae*, and *A. chavezi*.

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### ECG SIGNAL PROCESSING, CLASSIFICATION AND INTERPRETATION

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### A COMPREHENSIVE FRAMEWORK OF COMPUTATIONAL INTELLIGENCE

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**Springer Science & Business Media** The book shows how the various paradigms of computational intelligence, employed either singly or in combination, can produce an effective structure for obtaining often vital information from ECG signals. The text is self-contained, addressing concepts, methodology, algorithms, and case studies and applications, providing the reader with the necessary background augmented with step-by-step explanation of the more advanced concepts. It is structured in three parts: Part I covers the fundamental ideas of computational intelligence together with the relevant principles of data acquisition, morphology and use in diagnosis; Part II deals with techniques and models of computational intelligence that are suitable for signal processing; and Part III details ECG system-diagnostic interpretation and knowledge acquisition architectures. Illustrative material includes: brief numerical experiments; detailed schemes, exercises and more advanced problems.

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### HANDBOOK OF COMPOSITES

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**Springer Science & Business Media** Today, fiber reinforced composites are in use • properties of different component (fiber, in a variety of structures, ranging from space matrix, filler) materials; craft and aircraft to buildings and bridges. • manufacturing techniques; This wide use of composites has been facilitated by the introduction of new materials, • testing; improvements in manufacturing processes • mechanically fastened and bonded joints; and developments of new analytical and test • repair; ing methods. Unfortunately, information on • damage tolerance; these topics is scattered in journal articles, in • environmental effects; conference and symposium proceedings, in and disposal; • health, safety, reuse, workshop notes, and in government and com • applications in: pany reports. This proliferation of the source - aircraft and spacecraft; material, coupled with the fact that some of - land transportation; the relevant publications are hard to find or - marine environments; are restricted, makes it difficult to identify and - biotechnology; obtain the up-to-date knowledge needed to - construction and infrastructure; utilize composites to their full advantage. - sporting goods. This book intends to overcome these difficulties. Each chapter, written by a recognized expert, contributes by presenting, in a single volume, is self-contained, and contains many of the many of the recent advances in the field of 'state-of-the-art' techniques required for practical composite materials. The main focus of this technical applications of composites.

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### INFORMATION TECHNOLOGY AND INDIGENOUS COMMUNITIES

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## **SUPERCRITICAL WATER PROCESSING TECHNOLOGIES FOR ENVIRONMENT, ENERGY AND NANOMATERIAL APPLICATIONS**

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**Springer Nature** This book systematically presents the technical aspects of supercritical water oxidation and supercritical water gasification for energy and environmental applications, which include reactor design, construction materials, corrosion, salt precipitation, etc. The book provides a comprehensive introduction to the properties of supercritical water, and the industrial applications, reaction mechanisms and reaction kinetics of supercritical water oxidation (SCWO) and supercritical water gasification (SCWG). The reactions occurring in supercritical water are complex, and studying their reaction mechanisms is of great importance for the development of supercritical water processing technologies. Accordingly, the book explains the oxidative mechanisms and kinetics of organic matter in supercritical water in detail. However, the harsh reaction conditions in supercritical water can easily create severe reactor corrosion and salt deposition problems. Therefore, the book also comprehensively reports on the mechanism analysis, state of research, and development trends regarding these two problems. Lastly, the book summarizes the development of supercritical water processing technologies, including studies on SCWO and SCWG, as well as near-zero-emission systems of pollutants based on SCWO technology. In short, the book provides a wealth of valuable information for all readers who are interested in using SCWO for organic waste treatment, and in using SCWG for hydrogen production with wet biomass.

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## **STOLEN ASSET RECOVERY**

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### **A GOOD PRACTICES GUIDE FOR NON-CONVICTION BASED ASSET FORFEITURE**

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**World Bank Publications** This book is a first-of-its-kind, practice-based guide of 36 key concepts?legal, operational, and practical--that countries can use to develop non-conviction based (NCB) forfeiture legislation that will be effective in combating the development problem of corruption and recovering stolen assets.

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## **A MODERN EPIDEMIC**

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### **EXPERT PERSPECTIVES ON OBESITY AND DIABETES**

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**Sydney University Press** Diabetes, obesity and their related diseases make up one of the greatest challenges to human health in the 21st century. In *A modern epidemic: expert perspectives on obesity and diabetes*, a diverse group of researchers and clinicians from the University of Sydney has joined forces to discuss how to tackle these major health challenges. Obesity and diabetes are not just problems for the individual. They pose risks to the environmental, psychological and economic stability of the entire world. The solutions, therefore, need to be equally wide-ranging and accessible to all. Acknowledging this, the authors write in an engaging style about the causes and consequences of obesity and diabetes, as well as prevention and treatment: how to identify and mitigate the risk factors, deliver targeted and effective healthcare, and formulate global strategies to ultimately turn the tide on the 21st century's most devastating diseases.

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## **CHRISTIAN PRINCIPLES**

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**Wipf and Stock Publishers**

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### **ELECTRONIC WASTE AND PRINTED CIRCUIT BOARD RECYCLING TECHNOLOGIES**

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**Springer Nature** This book covers state-of-the-art technologies, principles, methods and industrial applications of electronic waste (e-waste) and waste PCB (WPCB) recycling. It focuses on cutting-edge mechanical separation processes and pyro- and hydro-metallurgical treatment methods. De-soldering, selective dismantling, and dry separation methods (including the use of gravity, magnetic and electrostatic techniques) are discussed in detail, noting the patents related to each. The volume discusses the available industrial equipment and plant flowsheets used for WPCB recycling in detail, while addressing potential future directions of the field. This practical, comprehensive, and multidisciplinary reference will appeal to professionals throughout global industrial, academic and government institutions interested in addressing the growing problem of e-waste. Covers principles, methods and industrial applications of e-waste and PCB recycling; Details state-of-the-art mechanical separation processes and pyro- and hydro-metallurgical treatment methods; Describes the available industrial equipment used and plant flowsheets for PCB recycling and addresses potential future developments of this important field.

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## **POLITICALLY EXPOSED PERSONS**

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## PREVENTIVE MEASURES FOR THE BANKING SECTOR

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**World Bank Publications** In recent years, revelations of grand corruption and the plunder of state assets have led to greater scrutiny of financial relationships with politically exposed persons (PEPs) senior government officials and their family members and close associates. Notwithstanding the efforts by many financial institutions and regulatory authorities to prevent corrupt PEPs from entering and using the financial system to launder the proceeds of corruption, there has been an overall failure in the effective implementation of international standards on PEPs. Implementation of an effective PEP regime is a critical component in the prevention and detection of transfers of proceeds of crime and, therefore, ultimately in the process of recovering them. 'Politically Exposed Persons: Preventive Measures for the Banking Sector' is designed to help banks and regulatory authorities address the risks posed by PEPs and prevent corrupt PEPs from using domestic and international financial systems to launder the proceeds of corruption. The book provides recommendations and good practices aimed at improving compliance with international standards and increasing supervisory effectiveness. It is an important tool for individuals, governments, financial and private sector companies, and international organizations involved in developing and implementing standards aimed at fighting corruption and money laundering, and trying to recover stolen assets and the proceeds of corruption.

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## DETERMINATION OF ANIONS

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### A GUIDE FOR THE ANALYTICAL CHEMIST

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**Springer Science & Business Media** The author has drawn together almost all published methods since 1975 on the determination of anions in all types of matrices. He presents the methods in a logical manner so that the reader can quickly gain access to the method and types of instrumentation available.

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## ADVANCES IN KNOWLEDGE DISCOVERY AND DATA MINING

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### 22ND PACIFIC-ASIA CONFERENCE, PAKDD 2018, MELBOURNE, VIC, AUSTRALIA, JUNE 3-6, 2018, PROCEEDINGS, PART III

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**Springer** This three-volume set, LNAI 10937, 10938, and 10939, constitutes the thoroughly refereed proceedings of the 22nd Pacific-Asia Conference on Advances in Knowledge Discovery and Data Mining, PAKDD 2018, held in Melbourne, VIC, Australia, in June 2018. The 164 full papers were carefully reviewed and selected from 592 submissions. The volumes present papers focusing on new ideas, original research results and practical development experiences from all KDD related areas, including data mining, data warehousing, machine learning, artificial intelligence, databases, statistics, knowledge engineering, visualization, decision-making systems and the emerging applications.

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## THE LEATHERBACK TURTLE

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### BIOLOGY AND CONSERVATION

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**JHU Press** The book leaves us with options: embark on the conservation strategy laid out within its pages and save one of nature's most splendid creations, or watch yet another magnificent species disappear.

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## KETAMINE

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### USE AND ABUSE

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**CRC Press** Increasing use of ketamine as a recreational drug in Asia, Europe, and America is a great burden on society at large, leading to aspirational strain, unemployment, and crime. These societal effects have led to growing interest among researchers and clinicians in ketamine's effects on various systems of the body. Ketamine: Use and Abuse reviews the acute and chronic effects of ketamine on both adult and developing animals and humans. Providing an exhaustive review of the literature, the book is supplemented by the introduction of new data and research. Topics include: The pharmacological properties of ketamine The impact of ketamine on various organ systems, including the central nervous system and the gastrointestinal, respiratory, adrenal, and renal systems Developmental neurotoxicity in the developing brain Postmortem toxicology The epidemiology of misuse and patterns of acute and chronic toxicity The psychosocial aspects of ketamine addiction Clinical applications at acceptable doses, including possible contribution to the treatment of depression The contributions in this book represent an initiative to investigate the different facets of ketamine beyond the known psychosocial factors related to addiction and its traditional use as an anesthetic agent. The broad-based coverage is designed to promote heightened attention on the subject and encourage

further research into beneficial clinical uses.

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### **SUPRANATIONAL CITIZENSHIP**

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**Manchester University Press** "Bringing political theory together with debates in international relations and in citizenship studies, the author argues that citizenship should no longer be understood as a status of privilege and belonging. Instead, it is an institutional role, through which persons might exercise their political agency - their capacities to shape the contexts of their lives and promote the freedom and well-being of themselves and others. In advancing this conception of citizenship, Dobson draws on and develops ideas found in the work of the philosopher Alan Gewirth." "Supranational Citizenship will be principally of interest to researchers in the fields of European integration, international normative theory, political and moral philosophy, and citizenship."--BOOK JACKET.

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### **BROTHERHOOD OF POWER**

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### **AN EXPOSÉ OF THE SECRET AFRIKANER BROEDERBOND**

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### **UTILIZATION OF HYDROGEN FOR SUSTAINABLE ENERGY AND FUELS**

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**Walter de Gruyter GmbH & Co KG** Carbon neutral hydrogen technologies play a key-role in preventing climate change and hydrogen is really at the heart of the energy transition. As we can produce heat and power directly from hydrogen in a clean way, we will have many applications in the growing hydrogen economy. This book presents the current state and latest development trends of hydrogen economy with the focus on applications. It gives an overview of the hydrogen utilization as it relates to the transport technology, such as automobiles, heavy-duty vehicles, trains, ships, air, and space transport and industry. Large attention is given to structural and functional materials science, technologies and innovations with focus on the development of new materials and electrolytes for specific applications. Strictly related to mobility is the relation between vehicles and refuel stations, the safety analysis, risk assessment for both infrastructures and transport. Ideal book for students of materials science, chemistry, physics; for researchers and chemical- and mechanical engineers, for industrialists, policymakers, safety agencies and governments.

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### **ENGINEERING CERAMICS**

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**Springer Science & Business Media** A handy reference for technicians who want to understand the nature, properties and applications, of engineering ceramics. The book meets the needs of those working in the ceramics industry, as well as of technicians and engineers involved in the application of ceramic materials.

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### **UNDERSTANDING RECRUITMENT TO ORGANIZED CRIME AND TERRORISM**

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**Springer Nature** This volume provides insights on how recruitment patterns develop for two related types of criminal networks: organized crime and terrorism. It specifically explores the social, situational, psychological, and economic drivers of recruitment. Although organized crime networks and terrorism networks can differ in underlying goals and motivations, this volume demonstrates common drivers in their recruitment, which will provide insights for crime prevention and intervention. The goal of the book is to explore the current knowledge about these common drivers, as well as highlight emerging research, to identify and prioritize a research agenda for scholars, as well as policymakers. The research presented in this work aims to fill existing gaps in the knowledge of recruitment to both organized crime and terrorism. For each area, it provides a systematic review of the existing research on social, psychological, and economic drivers of recruitment. It then presents findings from independent original research aimed to explore new ground not covered in these previous studies. The contributions to this volume were the result of a research project funded by a European Union Horizon 2020 grant, and present a diverse, international mix of expertise and cases. It will be of interest to researchers in criminology and criminal justice, as well as related fields such as sociology, psychology, and international relations. Chapter 13 of this book is available open access under a CC BY 4.0 license.

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### **ASSET RECOVERY HANDBOOK**

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### **A GUIDE FOR PRACTITIONERS, SECOND EDITION**

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**World Bank Publications** Developing countries lose billions each year through bribery, misappropriation of funds, and other corrupt practices. Much of the proceeds of this corruption find 'safe haven' in the world's financial centers. These criminal flows are a drain on social services and economic development programs, contributing to the impoverishment of the world's poorest countries. Many developing countries have already sought to recover stolen assets. A number of successful high-profile cases with creative international cooperation has demonstrated that asset recovery is possible. However, it is highly complex, involving coordination and collaboration with domestic agencies and ministries in multiple jurisdictions, as well as the capacity to trace and secure assets and pursue various

legal options—whether criminal confiscation, non-conviction based confiscation, civil actions, or other alternatives. This process can be overwhelming for even the most experienced practitioners. It is exceptionally difficult for those working in the context of failed states, widespread corruption, or limited resources. With this in mind, the Stolen Asset Recovery (StAR) Initiative has developed and updated this Asset Recovery Handbook: A Guide for Practitioners to assist those grappling with the strategic, organizational, investigative, and legal challenges of recovering stolen assets. A practitioner-led project, the Handbook provides common approaches to recovering stolen assets located in foreign jurisdictions, identifies the challenges that practitioners are likely to encounter, and introduces good practices. It includes examples of tools that can be used by practitioners, such as sample intelligence reports, applications for court orders, and mutual legal assistance requests. StAR—the Stolen Asset Recovery Initiative—is a partnership between the World Bank Group and the United Nations Office on Drugs and Crime that supports international efforts to end safe havens for corrupt funds. StAR works with developing countries and financial centers to prevent the laundering of the proceeds of corruption and to facilitate more systematic and timely return of stolen assets.

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## ADMINISTRATION OF GROUP WORK

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**Hassell Street Press** This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

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## A GUIDE TO PRODUCTS AND SERVICES

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### THE MICROBIOME IN RESPIRATORY DISEASE

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#### PRINCIPLES, TOOLS AND APPLICATIONS

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**Humana** This book comprehensively covers the microbiome in respiratory disease, from the initial research study to the disease-specific implications and related applications. Research on the respiratory microbiome is increasing in volume and scope. This reflects rapidly growing interest in the study of respiratory disease to understand how microbiota shape mechanisms of disease pathogenesis. The respiratory tract spans the nasal passages, sinus cavities, oropharynx, and the tracheobronchial tree of the lungs. In these compartments of the upper and lower respiratory tract, the microbiota have now been studied in the context of several chronic respiratory conditions. These include chronic sinusitis, allergic rhinitis, asthma, chronic obstructive pulmonary disease (COPD), bronchiectasis and pulmonary fibrosis, to name a few. The potential impact of ecological interactions (i.e., between microbes and between microbiota and host) within and across respiratory compartments is increasingly recognized. The book is organized into two main sections. Part I, Principles and Tools, covers conceptual modeling of the respiratory microbiome, experimental methodology with a focus on a priori considerations in study design and sampling, laboratory and computational methods for analysis of respiratory microbiome data, and minimizing interpretive pitfalls. Part II, Applications, discusses the evidence from specific studies that have shed novel insights into the influence of respiratory microbiota on mechanisms or outcomes in specific diseases. Based on current best evidence, disease-specific chapters include chronic rhinosinusitis, asthma (pediatric and adult studies), chronic obstructive pulmonary disease (COPD), cystic fibrosis (CF), bronchiectasis not due to CF, idiopathic pulmonary fibrosis, and lung transplant. This is an ideal reference for forward-thinking practitioners with interest in novel developments in precision medicine applications in lung disease, as well as translational scientists in the field of microbiology, immunology and lung biology.

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## LAW OF PERSONS AND THE FAMILY

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### THE PUPPET MASTERS

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### HOW THE CORRUPT USE LEGAL STRUCTURES TO HIDE STOLEN ASSETS AND WHAT TO DO ABOUT IT

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**World Bank Publications** This report examines the use of these entities in nearly all cases of corruption. It builds upon case law, interviews with investigators, corporate registries and financial institutions and a 'mystery shopping' exercise to provide evidence of this criminal practice.

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## RACIAL ENCOUNTER

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### THE SOCIAL PSYCHOLOGY OF CONTACT AND DESEGREGATION

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**Routledge** The political and legislative changes which took place in South Africa during the 1990s, with the dissolution of apartheid, created a unique set of social conditions. As official policies of segregation were abolished, people of both black and white racial groups began to experience new forms of social contact and intimacy. By examining these emerging processes of intergroup contact in South Africa, and evaluating related evidence from the US, *Racial Encounter* offers a social psychological account of desegregation. It begins with a critical analysis of the traditional theories and research models used to understand desegregation: the contact hypothesis and race attitude theory. It then analyzes every day discourse about desegregation in South Africa, showing how discourse shapes individuals' conception and management of their changing relationships and acts as a site of ideological resistance to social change. The connection between place, identity and re-creation of racial boundaries emerge as a central theme of this analysis. This book will be of interest to social psychologists, students of intergroup relations and all those interested in post-apartheid South Africa.

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### ACQUIRING SOCIOLINGUISTIC VARIATION

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**John Benjamins Publishing Company** The study of how linguistic variation is acquired is considered a nascent field in both psycho- and sociolinguistics. Within that research context, this book aims at two objectives. First, it wants to help bridging the gap between researchers working on acquisition from different theoretical backgrounds. The book therefore includes contributions by both psycho- and sociolinguists, and by representatives of further relevant sub-disciplines of linguistics, including historical linguistics and dialectology. Second, in order to enable cross-linguistic comparison, the book brings together research carried out in different sociolinguistic constellations, as most obviously found in different language areas or different countries.

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### THE ART OF CONTEMPLATION

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### EXTRACELLULAR SUGAR-BASED BIOPOLYMERS MATRICES

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**Springer** The extracellular matrix (ECM) is an acellular three-dimensional network composed of proteins, glycoproteins, proteoglycans and exopolysaccharides. It primarily serves as a structural component in the tissues and organs of plants and animals, or forms biofilms in which bacterial cells are embedded. ECMs are highly dynamic structures that undergo continuous remodeling, and disruptions are frequently the result of pathological processes associated with severe diseases such as arteriosclerosis, neurodegenerative illness or cancer. In turn, bacterial biofilms are a source of concern for human health, as they are associated with resistance to antibiotics. Although exopolysaccharides are crucial for ECM formation and function, they have received considerably little attention to date. The respective chapters of this book comprehensively address such issues, and provide reviews on the structural, biochemical, molecular and biophysical properties of exopolysaccharides. These components are abundantly produced by virtually all taxa including bacteria, algae, plants, fungi, invertebrates and vertebrates. They include long unbranched homopolymers (cellulose, chitin/chitosan), linear copolymers (alginate, agarose), peptoglycans such as murein, heteropolymers like a variety of glycosaminoglycans (hyaluronan, dermatan, keratin, heparin, Pel), and branched heteropolymers such as pectin and hemicellulose. A separate chapter is dedicated to modern industrial and biomedical applications of exopolysaccharides and polysaccharide-based biocomposites. Their unique chemical, physical and mechanical properties have attracted considerable interest, inspired basic and applied research, and have already been harnessed to form structural biocomposite hybrids for tailor-made applications in regenerative medicine, bioengineering and biosensor design. Given its scope, this book provides a substantial source of basic and applied information for a wide range of scientists, as well as valuable textbook for graduate and advanced undergraduate students.

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### BARRIERS TO ASSET RECOVERY

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### AN ANALYSIS OF THE KEY BARRIERS AND RECOMMENDATIONS FOR ACTION

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**World Bank Publications** It is estimated that the proceeds of crime, corruption and tax evasion represent between \$1 trillion and \$1.6 trillion per year, with half coming from developing countries. Proceeds are typically transferred abroad and hidden in foreign jurisdictions, thus requiring international cooperation. Various international conventions and agreements require international cooperation on this issue, in particular the United Nations Convention against Corruption; however, only \$5 billion in stolen assets have been repatriated over the last 15 years. This enormous gap reveals that significant barriers continue to impede asset recovery despite the commitments taken by governments, civil society and the private sector. Drawing on the experience of practitioners with hands-on experience, the Stolen Asset Recovery (StAR) Initiative launched this study to identify the barriers to stolen asset recovery internationally, provide brief analysis of the impact of these barriers, and propose recommendations for overcoming these obstacles. This volume is intended to guide policy makers in their efforts to ensure necessary resources and the development of a plan, policy or strategy aimed at

eradicating the barriers to asset recovery. In addition, this study proposes actions to be taken by the G20, international organizations, financial institutions, developmental agencies and civil society.

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### **MEDICINAL ORGANOMETALLIC CHEMISTRY**

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**Springer Science & Business Media** Contents: Gérard Jaouen, Nils Metzler-Nolte : Introduction ; Stéphane GIBAUD and Gérard JAOUEN: Arsenic - based drugs: from Fowler's solution to modern anticancer chemotherapy; Ana M. Pizarro, Abraha Habtemariam and Peter J. Sadler : Activation Mechanisms for Organometallic Anticancer Complexes; Angela Casini, Christian G. Hartinger, Alexey A. Nazarov, Paul J. Dyson : Organometallic antitumour agents with alternative modes of action; Elizabeth A. Hillard, Anne Vessières, Gerard Jaouen : Ferrocene functionalized endocrine modulators for the treatment of cancer; Megan Hogan and Matthias Tacke : Titanocenes – Cytotoxic and Anti-Angiogenic Chemotherapy Against Advanced Renal-Cell Cancer; Seann P. Mulcahy and Eric Meggers : Organometallics as Structural Scaffolds for Enzyme Inhibitor Design; Christophe Biot and Daniel Dive : Bioorganometallic Chemistry and Malaria; Nils Metzler-Nolte : Biomedical applications of organometal-peptide conjugates; Roger Alberto : Organometallic Radiopharmaceuticals; Brian E. Mann : Carbon Monoxide – an essential signaling molecule.

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### **DIAGNOSTIC ATLAS OF RENAL PATHOLOGY E-BOOK**

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**Elsevier Health Sciences** Diagnostic Atlas of Renal Pathology, by Agnes B. Fogo, MD and Michael Kashgarian, MD, delivers practical, highly visual guidance for effectively and accurately diagnosing a wide range of pathologic entities. More than 700 high-quality illustrations help you to recognize the pathologic features and clinical manifestations of both common and rare renal disorders and to formulate confident and accurate diagnoses. Thoroughly updated throughout, this companion to Brenner & Rector's The Kidney, 9th Edition provides the newest information regarding categorizing and classification of diseases and describes how this relates to the various morphological lesions illustrated and their clinical significance. See more than 700 high quality representative images of light, immunofluorescence, and electron microscopy for each diagnostic entity with correlations to clinical presentation and pathogenesis. Easily locate in-depth information on any disease's clinical course and treatment by cross-referring companion text, Brenner & Rector's The Kidney. Grasp key characteristic pathologic findings and prognostic, pathogenetic, and etiologic information through focused, detailed discussions. Make accurate, complete reports by fully understanding clinical correlations. Get an in-depth examination of pathophysiology, clinical presentations, and comprehensive references Keep current with the latest knowledge and evidence-based practices. Comprehensive updates throughout include a brand-new chapter on "Approaches to Chronic Kidney Disease" that includes coverage of Chronic Kidney Disease; Age-Related Sclerosis; Glomerular vs. Tubulointerstitial vs. Vascular Disease; and the differential diagnostic approach to Segmental Glomerulosclerosis lesions. Extensive updates to all previous chapters include new classifications of various diseases such as IgA nephropathy, diabetic nephropathy, crescentic GN, and renal transplant rejection. Stay well informed about hot topics including acute phosphate nephropathy; new concepts in the pathogenesis of thrombotic microangiopathies and eclampsia; and new information relative to etiology and pathogenesis of podocytopathies. Quickly access the information you need thanks to a user-friendly format, tables and sidebars with key points and differential diagnoses, and chapters that include concise, templated discussions regarding the etiology and pathogenesis of the disorder.

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### **HUMAN GENOME INITIATIVE**

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### **HEARING BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY, AND SPACE OF THE COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE, ONE HUNDRED FIRST CONGRESS, FIRST SESSION ... NOVEMBER 9, 1989**

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### **ELECTRONIC DATABOOK**

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### **ADVANCES IN BIOREFINERIES**

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### **BIOMASS AND WASTE SUPPLY CHAIN EXPLOITATION**

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**Elsevier** Biorefineries are an essential technology in converting biomass into biofuels or other useful materials. Advances in Biorefineries provides a comprehensive overview of biorefining processing techniques and technologies, and the biofuels and other materials produced. Part one focuses on methods of optimizing the biorefining process and assessing its environmental and economic impact. It also looks at current and developing technologies for producing value-added materials. Part two goes on to explore these materials with a focus on biofuels and other value-added products. It considers the properties, limitations, and practical applications of these products and how they can be used to meet the increasing demand for renewable and sustainable fuels as an alternative to fossil fuels. Advances in Biorefineries is a vital reference for biorefinery/process engineers, industrial biochemists/chemists, biomass/waste scientists and researchers and academics in the field. A comprehensive and systematic reference on the advanced biomass recovery and conversion processes used in biorefineries Reviews developments in biorefining processes Discusses the wide range of value-added products from

biorefineries, from biofuel to biolubricants and bioadhesives