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Titolo	Advanced processing and manufacturing technologies for structural and multifunctional materials : a collection of papers presented at the 31st International Conference on Advanced Ceramics and Composites, January 21-26, 2007, Daytona Beach, Florida
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Collana	Ceramic engineering and science proceedings Advanced processing and manufacturing technologies for structural and multifunctional materials
Disciplina	620.1/4
Soggetti	Ceramic materials Composite materials Chemical & Materials Engineering Engineering & Applied Sciences Chemical Engineering Materials Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph

2. Record Nr.	UNINA9910830613203321
Titolo	Genomics and proteomics engineering in medicine and biology [[electronic resource] /] / edited by Metin Akay
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ISBN	1-280-73984-3 9786610739844 0-470-05219-8 1-60119-504-4 0-470-05218-X
Descrizione fisica	1 online resource (317 p.)
Collana	IEEE press series on biomedical engineering ; ; 25
Altri autori (Persone)	AkayMetin
Disciplina	572.86 572/.6 660.65
Soggetti	Proteomics Genomics Bioinformatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"IEEE Engineering in Medicine and Biology Society, sponsor."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface. -- Contributors. -- 1. Qualitative Knowledge Models in Functional Genomics and Proteomics (Mor Peleg, Irene S. Gabashvili, and Russ B. Altman). -- 1.1. Introduction. -- 1.2. Methods and Tools. -- 1.3. Modeling Approach and Results. -- 1.4. Discussion. -- 1.5. Conclusion. -- References. -- 2. Interpreting Microarray Data and Related Applications Using Nonlinear System Identification (Michael Korenberg). -- 2.1. Introduction. -- 2.2. Background. -- 2.3. Parallel Cascade Identification. -- 2.4. Constructing Class Predictors. -- 2.5. Prediction Based on Gene Expression Profiling. -- 2.6. Comparing Different Predictors Over the Same Data Set. -- 2.7. Concluding Remarks. -- References. -- 3. Gene Regulation Bioinformatics of Microarray Data (Gert Thijs, Frank De Smet, Yves Moreau, Kathleen Marchal, and Bart De Moor). -- 3.1. Introduction. -- 3.2. Introduction to Transcriptional Regulation. -- 3.3. Measuring Gene Expression Profiles. -- 3.4. Preprocessing of Data. -- 3.5. Clustering of Gene

Expression Profiles. -- 3.6. Cluster Validation. -- 3.7. Searching for Common Binding Sites of Coregulated Genes. -- 3.8. Inclusive: Online Integrated Analysis of Microarray Data. -- 3.9. Further Integrative Steps. -- 3.10. Conclusion. -- References. -- 4. Robust Methods for Microarray Analysis (George S. Davidson, Shawn Martin, Kevin W. Boyack, Brian N. Wylie, Juanita Martinez, Anthony Aragon, Margaret Werner-Washburne, Monica Mosquera-Caro, and Cheryl Willman). -- 4.1. Introduction. -- 4.2. Microarray Experiments and Analysis Methods. -- 4.3. Unsupervised Methods. -- 4.4. Supervised Methods. -- 4.5. Conclusion. -- References. -- 5. In Silico Radiation Oncology: A Platform for Understanding Cancer Behavior and Optimizing Radiation Therapy Treatment (G. Stamatakis, D. Dionysiou, and N. Uzunoglu). -- 5.1. Philosophiae Tumoralis Principia Algorithmica: Algorithmic Principles of Simulating Cancer on Computer. -- 5.2. Brief Literature Review. -- 5.3. Paradigm of Four-Dimensional Simulation of Tumor Growth and Response to Radiation Therapy In Vivo. -- 5.4. Discussion. -- 5.5. Future Trends. -- References. -- 6. Genomewide Motif Identification Using a Dictionary Model (Chiara Sabatti and Kenneth Lange). -- 6.1. Introduction. -- 6.2. Unified Model. -- 6.3. Algorithms for Likelihood Evaluation. -- 6.4. Parameter Estimation via Minorization-Maximization Algorithm. -- 6.5. Examples. -- 6.6. Discussion and Conclusion. -- References. -- 7. Error Control Codes and the Genome (Elebeoba E. May). -- 7.1. Error Control and Communication: A Review. -- 7.3. Reverse Engineering the Genetic Error Control System. -- 7.4. Applications of Biological Coding Theory. -- References. -- 8. Complex Life Science Multidatabase Queries (Zina Ben Miled, Nianhua Li, Yue He, Malika Mahoui, and Omran Bukhres). -- 8.1. Introduction. -- 8.2. Architecture. -- 8.3. Query Execution Plans. -- 8.4. Related Work. -- 8.5. Future Trends. -- References. -- 9. Computational Analysis of Proteins (Dimitrios I. Fotiadis, Yorgos Goletsis, Christos Lampros, and Costas Papaloukas). -- 9.1. Introduction: Definitions. -- 9.2. Databases. -- 9.3. Sequence Motifs and Domains. -- 9.4. Sequence Alignment. -- 9.5. Modeling. -- 9.6. Classification and Prediction. -- 9.7. Natural Language Processing. -- 9.8. Future Trends. -- References. -- 10. Computational Analysis of Interactions Between Tumor and Tumor Suppressor Proteins (E. Pirogova, M. Akay, and I. Cosic). -- 10.1. Introduction. -- 10.2. Methodology: Resonant Recognition Model. -- 10.3. Results and Discussions. -- 10.4. Conclusion. -- References. -- Index. -- About the Editor.

Sommario/riassunto

Current applications and recent advances in genomics and proteomics. Genomics and Proteomics Engineering in Medicine and Biology presents a well-rounded, interdisciplinary discussion of a topic that is at the cutting edge of both molecular biology and bioengineering. Compiling contributions by established experts, this book highlights up-to-date applications of biomedical informatics, as well as advancements in genomics-proteomics areas. Structures and algorithms are used to analyze genomic data and develop computational solutions for pathological understanding. Topics discussed include: . Qualitative knowledge models. Interpreting micro-array data. Gene regulation bioinformatics. Methods to analyze micro-array. Cancer behavior and radiation therapy. Error-control codes and the genome. Complex life science multi-database queries. Computational protein analysis. Tumor and tumor suppressor proteins interactions.

3. Record Nr.	UNINA9910522962603321
Titolo	Violence Against Women and Criminal Justice in Africa: Volume II : Sexual Violence and Vulnerability / / edited by Ashwanee Budoo-Scholtz, Emma Charlene Lubaale
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2022
ISBN	9783030759537 3030759539
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (448 pages)
Collana	Sustainable Development Goals Series, , 2523-3092
Disciplina	364.153 364.153096
Soggetti	Critical criminology Human rights Sex Criminal behavior Criminology Critical Criminology Human Rights Gender Studies Criminal Behavior Crime Control and Security Criminology in the Global South
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	SECTION ONE: INTRODUCTION -- 1. Chapter One: Introduction (Ashwanee Budoo-Scholtz and Emma C Lubaale) -- SECTION TWO: SEXUAL VIOLENCE AGAINST WOMEN AND GIRLS AND CRIMINAL JUSTICE -- 2. Chapter two: Responding to sexual violence, protecting survivors and ending impunity in Ghana (Christine Dowuona-Hammond and Ama F Hammond) -- 3. Chapter three: Access to justice for female victims of sexual violence in Uganda (Charlotte Kabaseke and Barbara Kitui) -- 4. Chapter four: Women as survivors of sexual violence in Zambia: The

unheard voices (Ellah TM Siang'andu) -- 5. Chapter five: Combating marital rape: The law and the criminal justice system in Uganda (Atim P Odong and Barbara L Can) -- 6. Chapter six: Accountability for sexual exploitation and abuse by United Nations peacekeepers: Case studies of the Democratic Republic of Congo and Central African Republic (Linda Mushoriwa, Esther Njieassam and Thibaut Bata) -- 7. Chapter seven: Conflict-related sexual violence in North East Nigeria: Strengthening legal responses (Iyabode Ogunniran) -- 8. Chapter eight: Prospects for reparations for victims of conflict related sexual violence in Uganda (Josephine Ndagire) -- 9. Chapter nine: Incorporating human rights in the fight against police sexual violence in Malawi (Pachalo Mwenelupembe) -- SECTION THREE: CRIMINAL JUSTICE AND WOMEN IN SITUATIONS OF VULNERABILITY IN AFRICA -- 10. Chapter Ten: The invisible woman: Limits to achieving criminal accountability for violence against women with disabilities in Africa (Adetokunbo Johnson and Satang Nabaneh) -- 11. Chapter eleven: The right to maternal healthcare of migrant and refugee women in South Africa and Uganda: Criminal accountability as a tool to address violation (Jackline Hakim, Annette Lansink and Emma C Lubaale) -- 12. Chapter twelve: Access to justice for women in Eswatini: HIV positive women as a vulnerable population (Simangele D Mavundla, Ann Strode and Zaynab Essack) -- 13. Chapter thirteen: Protection of refugee women and girls from sexual and gender-based violence under International Law (Charity Ebeku and Taiwo Odumosu) -- 14. Chapter fourteen: Margins within the Marginalised: Violence and access to justice of Lesbians, Bisexual and Queer Women in Africa (Arudi Laura).

Sommario/riassunto

This book examines violence against women in Africa and criminal justice from the perspective of African scholars, practitioners and experts. As a global and long-standing issue, violence against women is gaining public visibility across the African continent with some states announcing a national crisis warranting immediate redress. At the global level, the elimination of all forms of violence against all women and girls forms a key part of United Nations Sustainable Development Goal 5: Gender Equality. Split across two volumes, these books present a comprehensive analysis of the latest research and theories, principles and practices of criminal justice systems, criminal justice accountability mechanisms, and the key challenges women face in their quest for justice on the African continent. This volume (II) focusses on sexual violence and vulnerable women's access to justice in Africa. Volume I focusses on legislation and its impact, the limitations of criminal justice responses, and the cultural and social norms regarding access to justice. Together, they adopt a comparative approach that highlight gaps and good practices to provide a rich source of authoritative information for promoting an intra-African dialogue and cross-fertilization of ideas across the different criminal justice traditions in Africa. Both volumes seek to advance discussions on eliminating violence against women in Africa and speak to those interested in criminal justice, violence, gender studies and African legal studies. Ashwanee Budoo-Scholtz is the programme manager of the Master's in Human Rights and Democratisation in Africa at the Centre for Human Rights, Faculty of Law, University of Pretoria, South Africa. Emma Charlene Lubaale is an associate professor at the Faculty of Law of Rhodes University, South Africa.