

1. Record Nr.	UNISA996464388503316
Autore	Zhuang Weihua
Titolo	Dynamic resource management in service-oriented core networks // Weihua Zhuang, Kaige Qu
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-87136-3
Descrizione fisica	1 online resource (182 pages)
Collana	Wireless Networks
Disciplina	384.54524015193
Soggetti	Wireless communication systems - Management Adaptive routing (Computer network management) Transmission sans fil - Gestion
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910917791403321
Autore	Singh Vijai
Titolo	Advances in Metabolomics // edited by Vijai Singh
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819774593 9819774594
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (397 pages)
Disciplina	570.28
Soggetti	Biology - Technique Biology Molecular probes Artificial intelligence Molecules - Models Biological Techniques Biological Sciences Biological Sensors and Probes Artificial Intelligence Molecular Modelling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Current approaches on metabolomics -- 2. Applications of computational and data sciences in metabolomics -- 3. Design of biosynthetic pathway for production of metabolites -- 4. Dissecting Cellular Heterogeneity: Single-Cell Metabolomics for Unmasking Hidden Variations -- 5. Biosensors for Detection of Metabolites -- 6. Unveiling the Molecular Fingerprint: Mass Spectrometry in Metabolomics -- 7. Utilizing HPLC for Efficient Metabolite Purification -- 8. NMR Spectroscopy for Characterisation of Metabolite -- 9. Transcriptional control for metabolite production -- 10. Microfluids in metabolites detection, production, and optimization -- 11. Cell free systems in metabolomics -- 12. Unlocking the Metabolome: A Guide to Genome Editing for Precision Control of Cellular Chemistry -- 13. Production and Fermentation Optimization of Flavour and Fragrance

Molecules -- 14. Bioprocessing and Purification of Metabolites -- 15. Scaling Up Nature's Chemistry: A Guide to Industrial Production of Valuable Metabolites -- 16. Regulatory, economic and educational issues in metabolomics.

Sommario/riassunto

The book delves into metabolomics which is a rapidly growing field that focuses on the study of chemical processes involving metabolites. These metabolites are small molecules that serve as substrates, intermediates, and end products of cellular metabolism. The book covers a wide range of tools and methods to facilitate metabolomics analysis, including modelling, gas chromatography, GC-MS, HPLC, MALDI, nuclear magnetic resonance, and many others. The book introduces metabolomics and then delves into tools and methods used in metabolomics research, followed by genome-scale analysis and fluxomics, which explore the complex metabolic networks within cells. The design of biosynthetic pathways is discussed in detail, highlighting their significance in manipulating cellular metabolism. The book also explores biosensors, chromatography techniques, NMR spectroscopy, transcriptional control of metabolite production, microfluidics, and the role of artificial intelligence and machine learning in metabolomics research. Additionally, it delves into cell-free systems, bioprocess optimization, fermentation technology, and industrial-scale production of metabolites. This book fills a significant gap in the market with comprehensive coverage and inclusion of diverse topics making it a valuable resource for students, researchers, scientists, clinicians, policymakers, and practitioners in the field.

3. Record Nr.	UNINA9910373882203321
Autore	Ioris Antonio Augusto Rossotto
Titolo	Frontier Making in the Amazon : Economic, Political and Socioecological Conversion / / by Antonio Augusto Rossotto Ioris
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-38524-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIII, 222 p. 33 illus., 29 illus. in color.)
Collana	Key Challenges in Geography, EUROGEO Book Series, , 2522-8420
Disciplina	338.9811
Soggetti	Environmental geography Human geography Agriculture - Economic aspects Economic geography Cultural geography Latin America—Politics and government Environmental Geography Human Geography Agricultural Economics Economic Geography Cultural Geography Latin American Politics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction: Frontier thinking and the Amazon region -- Scarcities and abundances in place and time: A proposed conceptualisation of frontier making -- Placing the agricultural frontier of Mato Grosso, Brazil -- Peasant farming in the Amazon frontiers -- Water and energy frontiers in the Amazon -- Production of poverty and the poverty of production in the Amazon -- Disrupting frontier development from within: The latent geographical agency of indigenous peoples -- Development and conservation frontiers in the Pantanal wetland -- Conclusion: Lessons learned to expand frontier theory.
Sommario/riassunto	This book discusses the outcomes of more than ten years of research

in the southern tracts of the Amazon region, and addresses the expansion of the agricultural frontier, consolidation of the agribusiness-based economy, and expansion of regional infrastructure (roads, dams, urban centres, etc). It combines extensive empirical evidence with the international literature on frontier-making and regional Amazonian development, and adopts a critical politico-geographical perspective that will benefit scholars in various other disciplines. This book is intended to push the current theoretical and methodological boundaries regarding the controversies and impacts of agribusiness in the region. A new international scientific network, led by the author, is investigating the broader context of the themes analysed here. .
