1. Record Nr. UNINA9910367757103321

Autore	Remize Fabienne
Titolo	Safety and Microbiological Quality / Fabienne Remize, Didier Montet
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019 Basel, Switzerland : , : MDPI, , 2019
ISBN	9783039214921 3039214926
Descrizione fisica	1 electronic resource (126 p.)
Soggetti	Biology, life sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The safety and microbiological quality of fermented foods covers complementary aspects of such products. Food fermentation is primary intended to improve food preservation, thereby modifying food properties. However, the management of chemical and microbiological hazards is a leading aspect for innovative processing in this domain. Similarly, microbiological quality in fermented foods is of peculiar importance: all microorganisms with a positive effect, including probiotic bacteria, fermentative bacteria, Saccharomyces and non-Saccharomyces yeasts, can be relevant. The fitness of pro-technological microorganisms impacts nutritional quality, but also sensory properties and processing reliability. This book provides a broad view of factors which determine the safety and microbiological quality of fermented foods. A focus is made on the interconnection between starter properties and the expectations related to a probiotic effect. All chapters underline the involvement of fermented foods towards better resource management and increasing food and nutritional security, especially in developing countries.

2. Record Nr. UNINA9910136476003321

Autore	Zhou Haibo
Titolo	Dynamic Sharing of Wireless Spectrum / / by Haibo Zhou, Quan Yu, Xuemin (Sherman) Shen, Shaohua Wu, Qinyu Zhang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-45077-8
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XI, 113 p. 56 illus.)
Disciplina	621.382
Soggetti	Electrical engineering Computer networks Database management Communications Engineering, Networks Computer Communication Networks Database Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Overview of Dynamic Sharing of Wireless Spectrum -- Dynamic Wireless Spectrum Sharing in Cognitive Cellular Networks -- Dynamic White Spaces Spectrum Sharing in Vehicular Networks -- Auction-based White Spaces Spectrum Sharing in Multimedia Networks -- Conclusion and Future Research Directions.
Sommario/riassunto	This book focuses on the current research on the dynamic spectrum sharing for efficient spectrum resource utilization, which covers the overlay spectrum sharing, underlay spectrum sharing and database-assisted spectrum sharing related research issues. Followed by a comprehensive review and in-depth discussion of the current state-of-the-art research literature and industry standardization, this book first presents a novel overlay spectrum sharing framework for dynamic utilization of available cellular frequency bands, formulates the dynamic spectrum sharing problem as a dynamic resource demand-supply matching problem, and accordingly develops a distributed fast spectrum sharing algorithm to solve the resource matching problem. A self-awareness power control approach for multi-hop routing selection

is proposed, which can establish an effective and practical routing selection optimization in secondary access networks and minimize the interference to primary users. Finally, this book offers dynamic secondary access scheme for database-assisted spectrum sharing networks, which is targeted to support the prosperous wireless multimedia networking applications by leveraging the TV white spaces of geolocation databases while satisfying QoS guarantees of secondary users. The overlay spectrum sharing, underlay spectrum sharing, and database-assisted white spaces spectrum sharing research results that are presented in this book provide useful insights for the design of next generation wireless access networks. This book motivates a new line of thinking for efficient spectrum resource utilization and performance enhancements of future wireless access applications.