1. Record Nr. UNINA9910799958603321

Titolo	Handbook of prebiotics and probiotics ingredients : health benefits and food applications / / editors, Susan Sungsoo Cho and E. Terry Finocchiaro
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis, , 2010
ISBN	0-429-14810-0 1-282-33613-4 9786612336133 1-4200-6215-8
Descrizione fisica	1 online resource (455 p.)
Classificazione	LEB 420f OEK 470f
Altri autori (Persone)	ChoSungsoo FinocchiaroE. Terry
Disciplina	615/.329
Soggetti	Probiotics Functional foods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover; Contents; Preface; Acknowledgments; The Editors; Contributors; Chapter 1. Analysis of Dietary Fiber and Nondigestible Carbohydrates; PART I: Sources of Prebiotics; Chapter 2. Short-Chain Fructo-Oligosaccharide: A Low Molecular Weight Fructan; Chapter 3. Inulin and Oligosaccharides: A Special Focus on Human Studies; Chapter 4. Galacto-Oligosaccharides; Chapter 5. Functional Disaccharides: Lactulose, Lactitol, and Lactose; Chapter 6. Natural Resistant Starches as Prebiotics and Synbiotics; Chapter 7. AGE, ALE, RAGE, and Disease: A Food Perspective; PART II: Sources of Probiotics Chapter 8. Lactic Acid Bacteria and Plant Fibers: Treatment in Acute and Chronic Human DiseaseChapter 9. Probiotics: Recent Human Studies Using Lactobacillus casei strain Shirota; PART III: Physiological Functions of Prebiotics and Probiotics; Chapter 10. Prebiotics and Lipid Metabolism; Chapter 11. Fermentation of Prebiotics and Short- Chain Fatty Acid Production; Chapter 12. Probiotics and Prebiotics in Inflammatory Bowel Disease; Chapter 13. Prebiotics and Probiotics in

	Pediatric Diarrheal Disorders; Chapter 14. Anticarcinogenic Effects of Probiotics, Prebiotics, and Synbiotics Chapter 15. Prebiotics and Probiotics in Infant FormulaeChapter 16. Probiotics and Prebiotics in Elderly Individuals; Chapter 17. Prebiotics and Probiotics in Companion Animal Nutrition; Chapter 18. Probiotics: Potential Pharmaceutical Applications; Index; Back cover
Sommario/riassunto	While there is little dispute that probiotics and prebiotics, alone and together, have been proven to promote gastrointestinal health and proper immune function, the challenge faced by researchers is finding not only the right combinations, but also finding those that are fully compatible with the formulation, processing, packaging, and distribution of functional foods. The Handbook of Prebiotics and Probiotics Ingredients: Health Benefits and Food Applications comprehensively explores these variables and highlights the most current biological research and food applications

2.

Record Nr.	UNINA9910437910503321
Autore	Semsar-Kazerooni Elham
Titolo	Team cooperation in a network of multi-vehicle unmanned systems : synthesis of consensus algorithms / / Elham Semsar-Kazerooni, Khashayar Khorasani
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	1-283-91070-5 1-4614-5073-X
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (170 p.)
Altri autori (Persone)	KhorasaniK <1960-> (Khashayar)
Disciplina	001 629.89015181
Soggetti	Vehicles, Remotely piloted Vehicles - Automatic control Wireless sensor networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Background -- Semi–Decentralized Optimal Consensus

	Strategies -- Non-Ideal Considerations for Semi-Decentralized Optimal Team Cooperation -- Linear Matrix Inequalities in the Team Cooperation Problem -- Conclusions and Future Work -- Appendix A: Proofs. .
Sommario/riassunto	Team Cooperation in a Network of Multi-Vehicle Unmanned Systems develops a framework for modeling and control of a network of multi-agent unmanned systems in a cooperative manner and with consideration of non-ideal and practical considerations. The main focus of this book is the development of “synthesis-based” algorithms rather than on conventional “analysis-based” approaches to the team cooperation, specifically the team consensus problems. The authors provide a set of modified “design-based” consensus algorithms whose optimality is verified through introduction of performance indices. This book also: Provides synthesis-based methodology for team cooperation Introduces a consensus-protocol optimized performance index Offers comparisons for use of proper indices in measuring team performance Analyzes and predicts performance of previously designed consensus algorithms Analyses and predicts team behavior in the presence of non-ideal considerations such as actuator anomalies and faults as well as the evolutions in the structure of the information exchange Team Cooperation in a Network of Multi-Vehicle Unmanned Systems is an ideal book for researchers as well as graduate-level university students who desire to work in the area of networked unmanned systems.