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Titolo	Effect of Milk Fat Globule Size on the Physical Functionality of Dairy Products / / by Tuyen Truong, Martin Palmer, Nidhi Bansal, Bhesh Bhandari
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-23877-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (75 p.)
Collana	SpringerBriefs in Food, Health, and Nutrition, , 2197-5728
Disciplina	613.26
Soggetti	Food science Chemistry, Organic Food Science Organic Chemistry
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 at the end of each chapters.
Nota di contenuto	Chapter 8: Conclusions
Sommario/riassunto	Effect of Milk Fat Globule Size on the Physical Functionality of Dairy Products provides a comprehensive overview of techniques utilized to vary milk fat globule size in fat-structured dairy products. The text aims to highlight the importance of both native and emulsified milk fat globule size in the processing and functionality of these products. Both herd managements strategies and fractionation techniques utilized to vary milk fat globule size are covered thoroughly, as are the effects of mechanical sheer processing. The influence of different size fat globules on aspects such as TAG composition, physical stability, viscosity, crystallization properties and electric conductivity are studied, as are the influences on processability and function. This Brief aims to highlight the importance of milk fat as a determinant of the microstructural, rheological and sensorial properties of fat-containing dairy products such as milk, cream, yogurt, ice cream, cheese, butter and milk chocolate. Since milk fat globules have a widely varied size distribution, controlling their size is of major importance in processing. In comprehensively covering the various methods used

		to vary milk fat globule size, this text serves as an important resource for those involved in dairy product processing.
2.	Record Nr.	UNINA9910143893203321
	Titolo	Approximation Algorithms for Combinatorial Optimization : 5th International Workshop, APPROX 2002, Rome, Italy, September 17-21, 2002. Proceedings / / edited by Klaus Jansen, Stefano Leonardi, Vijay Vazirani
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2002
	ISBN	3-540-45753-4
	Edizione	[1st ed. 2002.]
	Descrizione fisica	1 online resource (VIII, 276 p.)
	Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 2462
	Disciplina	004/.01/51
	Soggetti	Computer programming Computer science Mathematical optimization Algorithms Computer science—Mathematics Discrete mathematics Numerical analysis Programming Techniques Theory of Computation Optimization Discrete Mathematics in Computer Science Numerical Analysis
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Search and Classification of High Dimensional Data -- Bicriteria Spanning Tree Problems -- Improved Approximation Algorithms for Multilevel Facility Location Problems -- On Constrained Hypergraph Coloring and Scheduling -- On the Power of Priority Algorithms for

Facility Location and Set Cover -- Two Approximation Algorithms for 3-Cycle Covers -- Approximation Algorithms for the Unsplittable Flow Problem -- 1.5-Approximation for Treewidth of Graphs Excluding a Graph with One Crossing as a Minor -- Typical Rounding Problems -- Approximating Min-sum Set Cover -- Approximating Maximum Edge Coloring in Multigraphs -- Approximating the Complement of the Maximum Compatible Subset of Leaves of k Trees -- A 27/26-Approximation Algorithm for the Chromatic Sum Coloring of Bipartite Graphs -- Facility Location and the Geometric Minimum-Diameter Spanning Tree -- Improved Approximation Algorithms for the Partial Vertex Cover Problem -- Minimum Restricted Diameter Spanning Trees -- Hardness of Approximation for Vertex-Connectivity Network-Design Problems -- Non-abusiveness Helps: An % MathType!MTEF!2!1!+- % feaafiart1ev1aaatCvAUfKttLearuqr1ngBPrgarmWu51MyVXgatC % vAUfeBSjuyZL2yd9gzLbvyNv2CaeHbuLwBLnhiov2DGi1BTfMBaeHb % d9wDYLwzYbItLDharqqtubsr4rNCHbGeaGqiVu0Je9sqqrpepC0xbb % L8F4rqqrFfpeea0xe9Lq-Jc9vqaqpepm0xbba9pwe9Q8fs0-yqaqpe % pae9pg0FirpepeKkFr0xfr-xfr-xb9adbaqaaeGaciGaaiaadeWaaq % aadaqbaaGcbaGaaGOmamaaCaaaleqabaGagiiBaWMaei4Ba8Maei4z % aCgaaOWaaWbaaSqabeaadaahaaadbeqaamaaBaaabaWaaWbaaeqaba % GaaGymaiabgkHiTiabgIGiodaaaeqaaaaaaaGcdaahaaWcbeqaaiab % d6gaUbaaaaa!4546! \[2^{\log } ^{^{_{^{1 - \in } } } } ^n \] (1)-Competitive Algorithm for Minimizing the Maximum Flow Time in the Online Traveling Salesman Problem -- Routing and Admission Control in Networks with Advance Reservations -- Improved Approximation Algorithms for Metric Facility Location Problems -- Complexity of Makespan Minimization for Pipeline Transportation of Petroleum Products -- Primal-Dual Algorithms for Connected Facility Location Problems.

Sommario/riassunto

The Workshop on Approximation Algorithms for Combinatorial Optimization Problems APPROX 2002 focused on algorithmic and complexity aspects ar- ing in the development of e'cient approximate solutions to computationally d- ?cult problems. It aimed, in particular, to foster cooperation among algorithmic and complexity researchers in the ?eld. The workshop, held at the University of Rome La Sapienza, Rome, Italy, was part of the ALGO 2002 event, in conju- tion with ESA 2002 and WABI 2002. We would like to thank the local organizers at the University of Rome La Sapienza for this opportunity. APPROX is an - nual meeting, with previous workshops in Aalborg, Berkeley, Saarbruc ¨ ken, and Berkeley. Previous proceedings appeared as LNCS 1444, 1671, 1913, and 2129. Topics of interest for APPROX 2002 were: design and analysis of approxi- tion algorithms, inapproximability results, on-line problems, randomization te- niques, average-case analysis, approximation classes, scheduling problems, ro- ing and ?ow problems, coloring and partitioning, cuts and connectivity, packing and covering, geometric problems, network design, applications to game theory, and other applications. The number of submitted papers to APPROX 2002 was 54 from which 20 papers were selected. This volume contains the selected papers together with abstracts of invited lectures by Yuval Rabani (Technion) and R.