Record Nr. UNINA9910357822603321 Autore Laganà Pasqualina **Titolo** Chemistry and Hygiene of Food Gases / / by Pasqualina Laganà, Giovanni Campanella, Paolo Patanè, Maria Assunta Cava, Salvatore Parisi, Maria Elsa Gambuzza, Santi Delia, Maria Anna Coniglio Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2019 3-030-35228-5 ISBN Edizione [1st ed. 2019.] Descrizione fisica 1 online resource (54 pages) Collana Chemistry of Foods, , 2199-689X Disciplina 664 Soggetti Food—Biotechnology Public health **Nutrition** Law-Europe Food Science Public Health Nutrition European Law Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Food Gases: Classification and Allowed Uses -- Food Gases in the European Union: The Legislation -- Food Gases in the Industry: Chemical and Physical Features -- Safety Evaluation and Assessment of Gases for Food Applications. Sommario/riassunto This book focuses on the use of food gases in the food industry, their different applications and their role in food processing, packaging and transportation. Since these gases come into contact with food, they must comply with strict of labeling, purity and hygiene standards in order to ensure food safety. The book discusses various implications of food gases in the food chain, providing examples of how they can be used to limit food waste and losses. The first two chapters examine the classification and role of food gases in Europe, and the third chapter

then explores the chemical and physical features of commonly used food gases in the food and food packing industries. The fourth chapter

highlights the impact of food gases on human health due to their possible abuse and misuse. This book appeals to researchers and professionals working in food production and quality control.