

1.	Record Nr.	UNISALENTO991001273059707536
	Titolo	Testo unico delle leggi sulle tasse di registro : D. R. 20 maggio 1897, n. 217
	Pubbl/distr/stampa	Milano : Società editrice Libreria, 1907
	Descrizione fisica	115 p. ; 18 cm.
	Collana	Collezione legislativa "Portafoglio" ; 175-182
	Disciplina	343.45055
	Soggetti	Tassa registro - Legislazione
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Sulla sovraccop.: Miscellanea. Tasse
	Nota di contenuto	Volume rilegato in una raccolta miscellanea
2.	Record Nr.	UNINA9910789208303321
	Autore	Hartel Richard W
	Titolo	Principles of Food Processing [[electronic resource] /] / by Richard W Hartel, Dennis R. Heldman
	Pubbl/distr/stampa	New York, NY : , : Springer US : , : Imprint : Springer, , 1997
	ISBN	1-4615-6093-4
	Edizione	[1st ed. 1997.]
	Descrizione fisica	1 online resource (XV, 288 p.)
	Collana	Food Science Text Series, , 1572-0330
	Disciplina	641.3 664
	Soggetti	Food—Biotechnology Food Science
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	"A Chapman & Hall Food Science Book."
	Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
	Nota di contenuto	I Introduction -- The Food Processing Industry -- History of Food

Processing -- Processing Concepts -- General Processing Concepts -- Kinetics of Quality Change -- Summary -- References -- 2 Thermal Processing Principles -- Influence of Elevated Temperatures on Microbial Populations -- Establishment of Product Shelf-Life and/or Safety -- Influence of Thermal Process on Product Quality -- to Process Calculations -- References -- 3 Pasteurization and Blanching -- Purpose of the Processes -- Description of Processing Systems -- Establishment of the Pasteurization Process -- Determination of Blanching Process -- Processes for Product Quality Improvement -- Summary -- References -- 4 Commercial Sterilization -- General Concepts -- Description of Commercial Sterilization Systems -- Heating and Cooling of Food in a Container -- Establishment of Process Times -- The Influence of Commercial Sterilization on Product Quality -- Summary -- References -- 5 Refrigerated Storage -- General Principles of Refrigerated Storage -- Control of Microbial Growth During Refrigerated Storage -- Deterioration of Product Quality -- Establishing Shelf-Life in Refrigerated Foods -- Future Developments -- References -- 6 Freezing and Frozen-Food Storage -- Description of Food Freezing Systems -- Direct-Contact Freezing Systems -- Individual Quick Freezing (IQF) -- Estimation of Freezing Time -- Food Freezing and Product Quality -- Storage of Frozen Foods -- Summary -- References -- 7 Liquid Concentration -- Evaporation -- Membrane Separations -- Membrane Systems -- Cleaning and Sanitation -- Food Quality in Membrane Operations -- Freeze Concentration -- Types of Freeze Concentration Units -- Economic Design of Freeze Concentration -- References -- 8 Dehydration -- State of Water in Foods -- Effects of Drying on Product Quality -- Moisture Sorption and Desorption -- Rate of Dehydration -- Factors That Influence Drying -- Drying Methods -- Spray Drying -- Freeze Drying -- References -- 9 Other Separation Processes -- Physical/Mechanical Separations -- Diffusional/Equilibrium Separations -- References -- 10 Food Extrusion -- Extruders and Extrusion Operations -- Principles of Extrusion Operations -- Effects of Extrusion on Foods -- Recent Developments in Extrusion -- References.

Sommario/riassunto

The approach to teaching the concepts of food processing to the undergraduate food science major has evolved over the past 40 years. In most undergraduate food science curricula, food processing has been taught on a commodity basis. In many programs, several courses dealt with processing with emphasis on a different commodity, such as fruits and vegetables, dairy products, meat products, and eggs. In most situations, the emphasis was on the unique characteristics of the commodity and very little emphasis on the common elements associated with processing of the different commodities. Quite often the undergraduate student was allowed to select one or two courses from those offered in order to satisfy the minimum standards suggested by the Institute of Food Technologists. The current 1FT minimum standards suggest that the undergraduate food science major be required to complete at least one food processing course. The description of this course is as follows: One course with lecture and laboratory which covers general characteristics of raw food materials, principles of food preservation, processing factors that influence quality, packaging, water and waste management, and sanitation. Prerequisites: general chemistry, physics, and general microbiology.