

1. Record Nr.	UNIBAS000042949
Autore	Wackernagel, Jacob
Titolo	Altindische Grammatik / Jakob Wackernagel
Pubbl/distr/stampa	Göttingen : Vandenhoeck & Ruprecht
ISBN	3-525-26012-1 3-525-26113-6 3-525-26121-7
Descrizione fisica	Volumi ; 23 cm.
Lingua di pubblicazione	Sanskrit Tedesco Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Vol. 1.: Introduction générale ; Nachträge zu Band 1. - Nouvelle éd. du texte paru en 1896 au tome 1. / par Louis Renou. - 1957. - 343, IV. 194 p. Vol. 2.1: Einleitung zur Wortlehre Nominalkomposition ; Nachträge zu Band 2.1 / von Albert Debrunner. - 2. unveränderte Aufl. - 1957. - VIII, 329, 96 p. Vol. 2.2: <<Die>> Nominalsuffixe / von Albert Debrunner. - Unveränderter Nachdruck der 1. Auflage. - 1954. - XI, 966 p. Vol. 3.: Nominalflexion, Zahlwort, Pronomen / Albert Debrunner und Jacob Wackernagel. - Rist. anast. - 1975. - XVI, 602 p. Register zur Altindischen Grammatik von J. Wackernagel und A. Debrunner (Bd. 1.-3.) / Richard Hauschild. - 1964. - 264 p.

2. Record Nr.	UNINA9910141292503321
Titolo	Handbook of food process design [[electronic resource] /] / edited by Jasim Ahmed, M.Shafiur Rahman
Pubbl/distr/stampa	Oxford ; ; Hoboken, N.J., : Wiley-Blackwell, 2011
ISBN	1-4443-9825-3 1-280-59876-X 9786613628596 1-4443-9827-X 1-4443-9824-5
Descrizione fisica	1 online resource (1572 p.)
Altri autori (Persone)	RahmanShafiur
Disciplina	664/.02
Soggetti	Food processing plants - Design and construction Food processing machinery Food industry and trade
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Two volumes combined as one.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Handbook of Food Process Design; Contents; Preface; Acknowledgements; About the Editors; Contributors; Volume I; 1: Food Preservation and Processing Methods; Introduction; Purpose of Food Preservation; Food Preservation Methods; References; 2: Food Process Design: Overview; Introduction; Components of Food Process Design; Unit Operations and Complete Process; Process Flow Diagram; Codes, Standards and Recommended Practices; Process Severity, Quality and Safety; References; 3: Units and Dimensions; Introduction; Systems of Measurement; The SI System Definition of Some Derived Physical QuantitiesDimensional Consistency; Precision and Accuracy; Unit Conversions; Guidelines for Using SI Units; References; 4: Material and Energy Balances; Introduction; Fundamentals of Material Balances; Examples of Material Balance Calculations with and without Reaction; Overview of Food Processes; Energy Balances; Examples of Material and Energy Balances in Food Processing; References; 5: Thermodynamics in Food Process Design; Introduction; Thermodynamic Fundamentals; First Law of

Thermodynamics: Conservation of Energy; Second Law of Thermodynamics: Entropy  
 Application of Thermodynamics in Food SystemsReferences; 6: Chemical Reaction Kinetics Pertaining to Foods; Introduction; Basics of Chemical Reaction Kinetics; Types of Reactions; Fraction Conversion Concept; Temperature Dependence of the Rate Constants; Types of Reactor; Reaction Kinetics Related to Food; Statistical Aspects of Kinetic Modeling; Conclusions; References; 7: Thermal Food Processing Optimization: Single and Multi-objective Optimization Case Studies; Introduction; Types of Optimization Methods; Single-objective Optimization of Thermal Food Processing  
 Multi-objective Optimization of Thermal Food ProcessingResults and Discussion; Summary and Conclusion; References; 8: Instrumentation, Sensor Design and Selection; Introduction; Classification of Sensors; Measurements and Sensors in Food Process Control Systems; Criteria for Selection of Sensors; Recently Developed Measurement Techniques for Food Processes; Summary; References; 9: Automation and Process Control; Introduction; Food Processing Automation and Control: Current Status; Basic Control Theory; Current Practice and Future Trends in Food Process Automation; Conclusions; References  
 10: Use of Various Computational Tools and gPROMS for Modelling Simulation Optimisation and Control of Food ProcessesIntroduction; Reactor in Food Processing; Distillation in Food Processing; Extraction in Food Processing; Thermal Treatments in Food Processing; Model-based Techniques in Food Processing: Simulation, Optimisation and Control; Food Properties in Model-based Techniques; Computational Software in Food Processing; Conclusions; References; 11: Fluid Flow and Pump Selection; Introduction; Nature of Fluids; Basic Equations Related to Fluid Flow; Measurement of Flowing Fluids  
 Pipes, Fittings and Valves

## Sommario/riassunto

In the 21st Century, processing food is no longer a simple or straightforward matter. Ongoing advances in manufacturing have placed new demands on the design and methodology of food processes. A highly interdisciplinary science, food process design draws upon the principles of chemical and mechanical engineering, microbiology, chemistry, nutrition and economics, and is of central importance to the food industry. Process design is the core of food engineering, and is concerned at its root with taking new concepts in food design and developing them through production and eventual consumption.<br>