

1. Record Nr.	UNISALENTO991004087619707536
Titolo	Goethe und seine grossen zeitgenossen : sieben essay / von Emil Staiger ... [et al.] ; hrsg. von Albert Schaefer
Pubbl/distr/stampa	München : Beck, 1968
Descrizione fisica	203 p. ; 20 cm
Collana	Beck'sche schwarze reihe ; 55
Altri autori (Persone)	Staiger, Emilauthor Schaefer, Albert
Disciplina	832.6
Soggetti	Letteratura tedesca Goethe, Johann Wolfgang : von Goethe, Johann Wolfgang : von
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910131278703321
Autore	Verhoeckx Kitty
Titolo	The Impact of Food Bioactives on Health : in vitro and ex vivo models / / edited by Kitty Verhoeckx, Paul Cotter, Iván López-Expósito, Charlotte Kleiveland, Tor Lea, Alan Mackie, Teresa Requena, Dominika Swiatecka, Harry Wichers
Pubbl/distr/stampa	2015 Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-16104-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (xvii, 338 pages) : colour illustrations; digital, PDF file (s)
Classificazione	MED075000TEC012000TEC012010
Disciplina	664.001579
Soggetti	Microbiology Food—Biotechnology Human physiology Food Microbiology Food Science Human Physiology
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	Introduction -- Gastrointestinal digestion models, general introduction -- Static digestion models general introduction -- InfoGest consensus method -- Approaches to static digestion models -- Dynamic digestion models general introduction -- The TNO gastro-Intestinal Model (TIM) -- Dynamic Gastric Model (DGM) -- Human Gastric Simulator (Riddet model) -- The DIDGI® System -- General introduction to cells, cell lines and cell culture -- Epithelial cell models; General introduction -- Caco- 2 cell line -- HT29 cell line -- The IPEC-J2 cell line -- Co-cultivation of Caco-2 and HT-29MT -- Innate and adaptive immune cells; General introduction -- THP-1 and U937 cells -- Peripheral blood mononuclear cells -- PBMC-derived T cells -- Dendritic Cells -- Co-culture Caco-2/ immune cells -- Enteroendocrine Cell Models: General introduction -- STC-1 cells -- NCI-H716 cells -- Murine GLUTag cells -- In vitro

intestinal tissue models: General introduction -- Intestinal crypt organoids as experimental models -- Porcine ex vivo intestinal segment model -- Ussing chamber -- In vitro fermentation models: General Introduction -- One compartment fermentation model -- The TNO in vitro model of the colon - TIM-2 -- The Simulator of the Human Intestinal Microbial Ecosystem – SHIME® -- The computer-controlled multicompartmental dynamic model of the gastrointestinal system SIMGI.

Sommario/riassunto

This book describes in vitro and ex vivo models that can be employed to investigate effects of digested food products on the GIT, or specific components thereof. Many such models exist and include, for example, those used to study digestion and fermentation in the small and large intestine, to investigate absorption (e.g. Ussing chamber, epithelial cell systems), and to research the immune and enteroendocrine responses (e.g. macrophages, dendritic cells, co-cultures). In each case, these respective assays and models are discussed, and tips and tricks concerning their proper use are given. The Impact of Food Bioactives on Health: In Vitro and Ex Vivo Models is an asset to researchers wishing to study the health benefits of their foods and food bioactives of interest. The book highlights which in vitro/ex vivo assays are of greatest relevance to their goals, what sort of outputs/data can be generated, and highlights the strengths and weaknesses of the various assays. It is also an important resource for under-graduate students in the 'food and health' arena.
