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Nota di contenuto	About the Special Issue Editor -- Preface to "Dietary Fructose and Glucose: The Multifacetted Aspects of Their Metabolism and Implication for Human Health" -- Relationship between Added Sugars Consumption and Chronic Disease Risk Factors: Current Understanding -- Individual Diet Modeling Shows How to Balance the Diet of French Adults with or without Excessive Free Sugar Intakes -- The Role of Carbohydrate Response Element Binding Protein in Intestinal and Hepatic Fructose Metabolism Fructose-Rich Diet Affects Mitochondrial DNA Damage and Repair in Rats -- High Dietary Fructose: Direct or Indirect Dangerous Factors Disturbing Tissue and Organ Functions -- Role of the Enterocyte in Fructose-Induced Hypertriglyceridaemia Inborn Errors of Fructose Metabolism. What Can We Learn from Them -- Associations of Dietary Glucose, Fructose, and Sucrose with ß-Cell Function, Insulin Sensitivity, and Type 2 Diabetes in the Maastricht Study -- Dietary Sugars and Endogenous Formation of Advanced Glycation Endproducts: Emerging Mechanisms of Disease -- Differential Effect of Sucrose and Fructose in Combination with a High Fat Diet on Intestinal Microbiota and Kidney Oxidative Stress -- Fructose Intake, Serum Uric Acid, and Cardiometabolic Disorders: A Critical Review -- Fructose Consumption in the Development of Obesity and the Effects of Different Protocols of Physical Exercise on the Hepatic Metabolism -- Fructose, Glucocorticoids and Adipose Tissue: Implications for the Metabolic

Syndrome -- Deleterious Metabolic Effects of High Fructose Intake: The Preventive Effect of Lactobacillus kefiri Administration -- Targeting Overconsumption of Sugar-Sweetened Beverages vs. Overall Poor Diet Quality for Cardiometabolic Diseases Risk Prevention: Place Your Bets! -- Effects of Natural Products on Fructose-Induced Nonalcoholic Fatty Liver Disease (NAFLD) -- Metabolic Effects of Replacing Sugar-Sweetened Beverages with Artificially-Sweetened -- Beverages in Overweight Subjects with or without Hepatic Steatosis: A Randomized Control Clinical Trial -- Fructose and NAFLD: The Multifaceted Aspects of Fructose Metabolism -- The Addition of Liquid Fructose to a Western-Type Diet in LDL-R-/- Mice Induces Liver Inflammation and Fibrogenesis Markers without Disrupting Insulin Receptor Signalling after an Insulin Challenge -- An In Vivo Magnetic Resonance Spectroscopy Study of the Effects of Caloric and Non-Caloric Sweeteners on Liver Lipid Metabolism in Rats.

Sommario/riassunto

We welcome the submission of manuscripts, either describing original research, or reviewing scientific literature. Manuscripts should focus on well-defined topics, not previously reported extensively in the literature, such as (without being limited to): functional aspects of fructose and glucose metabolism health effects of chronic fructose and glucose consumption molecular and mechanistic insights of hexoses-induced metabolic adaptations sugars, sweet taste receptors and brain responses intervention studies in humans Papers covering species comparisons of nutrition/metabolism or evolutionary perspectives, or effects of fructose and glucose in specific physiological conditions (physical activity, pregnancy, growth, etc.) or special tissues (testis, placenta) are welcome.