

Juscelino Tovar

Researcher in the field of food and nutritional biochemistry with 40+ y experience.

-Education: Juscelino Tovar holds a degree in Biology from Central University (Venezuela) and a PhD in Applied Nutrition from Lund University (Sweden).

- Academic Positions: Full Professor of Biochemistry and Nutrition (Central University) and Research Project Leader at the Department of Food Technology, Engineering and Nutrition (Lund University). His research activities were previously linked to the Antidiabetic Food Centre (Lund University).

- Industry-related experience: Consultant for R&D departments of food companies. Coordinator of the Food & Health Laboratory, Antidiabetic Food Centre (Lund University), involving direct interaction with industrial and governmental stakeholders on the evaluation of the efficacy of disease-preventive food concepts and dietary regimes.

- Areas of expertise: Specialist in chemical and nutritional aspects of food carbohydrates. Experienced in the clinical evaluation of metabolic-protective properties of foods. During recent years, Tovar has focused his research on the potential preventive action of the diet against cardiometabolic diseases. He has designed antiinflammatory regimes based on multiple functional food concepts, aiming to reduce the risk for type 2 diabetes and cardiovascular diseases. The functionality of those diets is evaluated in healthy subjects with increased metabolic risk. He is also interested in the modulation of disease-risk factors associated with metabolic responses to real-life meals and in the physiological efficacy of functional foods and ingredients.

- Scientific production: Author/co-author of 110+ peer-reviewed articles in the fields of antinutritional factors in plant foods, dietary fiber, starch bioavailability, functional foods and disease-preventive diets. 7, 300 citations; h-index=46 (Google Scholar, August 2024).

- Editorial and advisory roles: Section Editor of Heliyon-Food Science and Nutrition. Associate Editor of the journals Nutrients and Frontiers in Nutrition. Former Chief Editor of Acta Científica Venezolana, and Member of the Editorial Committee of Archivos Latinoamericanos de Nutrición. Former member of the Scientific Advisory Board of the International Foundation for Science (IFS, Stockholm, 2013-2023).

-Active research networking in Latin America. Current collaborative work with various research units in Mexico (National Polytechnic Institute and Tecip Institute of Technology), Argentina (University of Mar del Plata) and Brazil (Faculty of Food Engineering, University of Campinas).

Research

- Food Chemistry and Nutrition
- Food and Diet: Physiological Effects and Consequences
- The Relation of the Food Industry Towards Society and Consumer
- Integrated Food Project (European Master in Food Studies, EMFS)

Research

Researcher in applied nutrition with biology and biochemistry background. Major research interest in functional foods with modulating action on cardiometabolic risk factors, including clinical evaluation of physiological effects. Interest in nutritional features of starch and dietary fiber. More than 110 peer-reviewed publications. Active international collaborative research actions. Section Editor of Heliyon-Food Science & Nutrition. Associate Editor of the journals Nutrients and Frontiers in Nutrition.

Teaching

- MSc courses in Food Chemistry and Nutrition; Food and Diet: Physiological Effects and Consequences; The Relation of the Food Industry Towards Society and Consumer; Integrated Food Project (European Master's in Food Studies-EMFS)
- Undergraduate courses in General Biochemistry and Human Nutrition (UCV)
- PhD courses in Advanced Biochemistry (UCV)