



UNIVERSIDAD AUTÓNOMA DE QUERÉTARO
SECRETARÍA DE INVESTIGACIÓN INNOVACIÓN Y POSGRADO



College of Agricultural,
Consumer &
Environmental Sciences
UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN

¡Resultados de la Colaboración Internacional!

Nos complace anunciar los proyectos seleccionados en la convocatoria conjunta entre la Universidad Autónoma de Querétaro (UAQ) y el University of Illinois System Urban Champaign, a través de la Illinois Mexican & Mexican-American Students Initiative (I-MMAS).

- **Evaluación Biológica de un Alimento Funcional:** "Biological evaluation of vegetable beverage of common bean (*Phaseolus vulgaris* L.) fortified with common bean protein and bioavailable iron in in vitro and in vivo models".
- **Marcadores Lipídicos y Resistencia Anabólica:** "Plasma Lipid Biomarkers as Predictors of Anabolic Resistance in Obesity".
- **Valorización Sostenible de Subproductos Lácteos:** "Sustainable Valorization of Acid Whey into a Functional Yogurt: GOS Enrichment, Aryl Lactate Biosynthesis, and Symbiotic Evaluation".
- **Propiedades Antidiabéticas de Extractos Vegetales:** "Evaluation of antidiabetic properties of aqueous extracts of Timbe (*Acaciella angustissima* (Mill.) Britton & Rose) pods through metabolomic and transcriptomic approaches".
- **Análisis Multi-Ómico en Hongos Comestibles:** "Multi-Omic Analysis of Ultraviolet Radiation in *Pleurotus djamor*: Nutritional Quality, Bioactive Compounds, and Molecular Mechanisms".

Esta iniciativa subraya nuestro compromiso con la colaboración internacional para abordar desafíos de salud y sostenibilidad. Felicitamos a todos los equipos de investigación por su destacada propuesta y deseamos que estos proyectos sean el catalizador de un largo camino de colaboración conjunta.



¡Results of International Collaboration!

We are pleased to announce the selected projects in the joint call for proposals between the **Autonomous University of Querétaro (UAQ)** and the **University of Illinois System Urban-Champaign**, through the **Illinois Mexican & Mexican-American Students Initiative (I-MMAS)**.

- **Biological Evaluation of a Functional Food:** "Biological evaluation of vegetable beverage of common bean (*Phaseolus vulgaris* L.) fortified with common bean protein and bioavailable iron in in vitro and in vivo models".
- **Lipid Markers and Anabolic Resistance:** "Plasma Lipid Biomarkers as Predictors of Anabolic Resistance in Obesity".
- **Sustainable Valorization of Dairy By-products:** "Sustainable Valorization of Acid Whey into a Functional Yogurt: GOS Enrichment, Aryl Lactate Biosynthesis, and Symbiotic Evaluation".
- **Antidiabetic Properties of Plant Extracts:** "Evaluation of antidiabetic properties of aqueous extracts of Timbe (*Acaciella angustissima* (Mill.) Britton & Rose) pods through metabolomic and transcriptomic approaches".
- **Multi-Omic Analysis in Edible Mushrooms:** "Multi-Omic Analysis of Ultraviolet Radiation in *Pleurotus djamor*: Nutritional Quality, Bioactive Compounds, and Molecular Mechanisms".

This initiative underscores our commitment to international collaboration to address health and sustainability challenges. We congratulate all the research teams for their outstanding proposals and hope that these projects will be the catalyst for a long path of joint collaboration.