Education.....

PhD Food Science

Major: Food Engineering Minor: Food Processing

Cornell University 08/2020-Present Ithaca, NY

Research Highlights

- O Rheological modeling of skim milk and lactose hydrolyzed skim milk powders and concentrates
- Supercritical CO₂ Extrusion
- O Development of in-mouth disintegrating dairy powder-based products
- \circ Analysis of complex carbohydrate polymerization within the Supercritical CO₂ extrusion system

Relevant Coursework

Mechanical Properties of Materials, Writing Research Proposals, Concepts of Product Development, Sensory Evaluation, Food Processing, Dairy Processing, Food Microbiology, Functional Foods & Dietary Supplements, Food Safety Assurance, and Python

B.S. Nutrition & Dietetics

Major: Nutrition & Dietetics

Minor: Exercise Science

University of Pittsburgh 08/2015-04/2020 Pittsburgh, PA

Relevant Coursework

Human Physiology, Exercise Physiology, Behavior Change Theory, Nutrition Assessment 1
& 2, Clinical Biochemistry, Macronutrient Metabolism, Micronutrient Metabolism, Medical Nutrition Therapy 1
& 2, Functional Nutrition, and Food Service Management

Experience.....

Instrument Experience

 Supercritical CO2 Extruder, Texture Analyzer, Gas Chromatography, Microfluidizer, Spray Drier, Rotary Evaporator (Benchtop and large scale 50L), Rheometer, Viscometer, Colorimeter

Certifications

Implimenting SQF Systems Manufacturing 04/2021-Present: SQF Institute

FSPCA Preventative Controls for Human Food 04/2021-Present: Food Safety Prev. Alliance Registered Dietetic Technician (B.S. DTR) 08/2020-Present: Academy of Nutrition & Dietetics ServSafe Manager Certified 01/2019-PresentNational Restaurant Association

Professional Experience Teaching Assistant: Food Safety Assurance 01/2022-05/2022: Cornell University

Teaching Assistant: Functional Nutrition & Lab 01/2022-05/2022: University of Pittsburgh Researcher II: Pitt Department of Physical Medicine & Rehabilitation—Nutrition Related Health Outcomes in Adults with Spina Bifida 10/2019-07/2020

Activities

Food Science Graduate Student Peer Mentor 2023-Present: Cornell University

Food Science Graduate Student Organization Vice President 2022-Present: Cornell University Pitt Club Cross Country Travel Coordinator 2015-2020: University of Pittsburgh