Food, Nutrition, Dietetics and Health

Professor	Project Description	List of Tasks	Possible Outcomes
George Wang	Integrate cereal science and nutrition to develop high–resistant starch wheat foods for metabolic and gut health	• Review literature • Test digestibility and glycemic response • Animal models • Gut microbiome and metabolic biomarker analysis • Statistical analysis • Write manuscripts • Conference presentations	• Be a published author • Present at conferences • Interdisciplinary training • Strong mentorship • Personalized letter of recommendation • Be highly competitive for jobs in academia, industry, or federal agencies
Umut Yucel	Develop sorghum as a functional ingredient and biomolecule to promote better health outcomes	• Analytical spectroscopic and chromatographic measurements • Sample preparation • Protocol development • Data collection and analysis	• Analytical research experience • Present at conferences • Be a published author
Umut Yucel	Detecting and analyzing microplastics across various matrices, including muscle tissue, water, soil, and food	• Analytical spectroscopic and chromatographic measurements • Sample preparation • Protocol development • Data collection and analysis	• Analytical research experience • Present at conferences • Be a published author