



María López Pedrouso, PhD

Research title: Professor

Position: Assistant Professor at Department of Molecular Biology and Biochemistry

Affiliation: University of Santiago de Compostela - A Coruña, Spain

Occupation field: Food Molecular Biochemistry

Short biography: María López Pedrouso has a PhD in Biochemistry and Molecular Biology. Her research focused on identifying protein biomarkers and advancing molecular-level insights into diverse food quality from fresh meat (beef, pork, foal, lamb, deer) and meat products. She has led numerous proteomic studies aimed at understanding key quality traits (color, WHC, tenderness and sensory attributes), contributing to the understanding of the molecular mechanisms underlying these attributes.

Also, she has made significant advances in the search for bioactive peptides derived from animal by-products, using enzymatic hydrolysis to develop novel healthier food products. Her research has led to the identification of several peptide fractions with high antioxidant and antihypertensive properties, highlighting their potential for functional food applications.

As a result of her research career, she has published 68 papers, mainly in the Food Science and Technology area as first and last author in 57% in high-ranked international journals.
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