



Dr. Mamen Oliván is a Senior Research Scientist in the Regional Service of Research and Development (SERIDA) in Principado de Asturias. She is member of the Animal Production System, where she has been supervising the development of several research projects focus on the study of sustainable and profitable animal production in the Cornisa Cantábrica. The main porpoise is to increase the diversification of agroalimentary production, which enables a socioeconomic conditions improvement in the rural environment and thus, the supply of a differentiable meat quality to consumers.

Dr. Mamen Oliván leads a research group in SERIDA that has been actively collaborating for more than ten years with the research team of cellular Response to Oxidative Stress (cROS) led by Ana Coto-Montes PhD (Department of Cell Biology and Morphology, University of Oviedo). This collaborative research has been able to broach the characterization of biochemical and cellular mechanisms (oxidative stress status, proteolytic systems, programmed cell-death) involved in the first steps of meat tenderization directly related to post-mortem quality evolution, with a view of the identification and detection of biomarkers of meat quality and animal welfare and the development of on-line techniques for the evaluation of quality and traceability in meat industry. Projects carried out in this field have enabled the management of several PhD Theses, Bachelor's Degree Final Projects and Master's Degree Final Projects, as well as multiples publications of scientific papers in national and international journals and congress communications.

These studies are supporting others based on ecological production system as an option of sustainability and productive diversification. M. Oliván has studied carcass and meat quality from cattle breed into different feeding systems, which includes the analysis of different physicochemical, textural and sensory markers. Working also on the application of near infrared spectroscopy (NIRS) for on-line control of meat quality and traceability.

Previously, Dr. Mamen Oliván have been pre and post-docs in various foreign research centres such as the Macaulay Land Use Research Institute (MLURI) in Scotland or Commonwealth Scientific and Industrial Research Organisation (CSIRO) in Australia specialized in the field of animal nutrition. She has also taken part in standardization process of the quality analysis techniques in ruminant meat, coordinated by National Institute for Agriculture and Food Research and Technology (INIA) and the main researches groups of our country. She is closely involved in international student and research exchange programs with universities and research centres from other countries like Brazil, Portugal and Norway.

Dr. Mamen Oliván throught her research career has led or participated in more than twenty research projects supported by public and FEDER funds (Plan Nacional de I+D, INIA, PCTI of Principado de Asturias). The outcome of this work has implied the publication of more than one hundred scientific papers, most of them in high impact international journals.