

**Department: Agriculture and Food**

**Group name:** *Technology, Engineering and Food Safety*

**Acronym:** *TEINSA*

**Group Coordinator:** González Fandos, María Elena

**ANEP Area(s):** Food Science and Technology; Civil Engineering and Architecture

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**Department Report:** 17/04/2015

**RESEARCH TEAM**

**Number of researchers:** 6

<u>Researcher</u>	<u>Department</u>	<u>Professional category</u>
González Fandos, María Elena	Agriculture and Food	FP
Arbizu Milagro, María Julia	Agriculture and Food	Interim Contract
García González, Julia	Agriculture and Food	Assistant Professor
Peña Navaridas, José Miguel	Agriculture and Food	Collaborating PhD
Pérez Arnedo, M. <sup>a</sup> Irache	Agriculture and Food	Associate
Tascón Vegas, Alberto	Agriculture and Food	TP

**COLLABORATORS**

**Nº of collaborators:** 0

<u>Collaborators</u>	<u>Department</u>	<u>Professional category</u>
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### **Lines of research**

Optimization of the design of food industries.  
Food preservation.  
Hygiene and occupational health and safety in the food industry.  
Use and management of waste and by-products.  
Microbiological safety of food (vegetables, meat and meat products, fish, dairy products).  
Influence of technological treatments on food quality and safety.  
Territorial Planning, Environment, agricultural and agri-food buildings and facilities.  
Engineering of oenological and agro-industrial processes.  
Biotechnology.  
Olive-growing and elaiotechnics.  
Photo-interpretation and management of satellite photographs.  
Water treatment plants in agrifood, calculation and design.  
Fires and explosions in Agrarian Industries.  
Calculation actions in agricultural silos.  
Education in Agricultural and Biosystem Engineering.

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### **Scientific and technological offering**

Microbiological analysis of food.  
Sanitary hygienic quality of raw and processed foods.  
Typification and characterization of autochthonous foods.  
Influence of technological treatments on food quality and safety.  
Optimisation of packaging in modified atmospheres of vegetables and meat products.  
Implementation and monitoring of self-controlling systems (HACCP).  
Projects and site management.  
Process engineering in agro-food and oenological industries.  
Feasibility and production studies, valuations.  
Fire and explosion protection studies.  
Biotechnology.

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### **National and international relations**

University of Agriculture Sciences and Veterinary Medicine, Cluj Romania.  
EurAgEng - European Society of Agricultural Engineers.  
University of Bergen, Department of Physics and Technology.  
FEMS - European Federation of Microbiological Societies.  
School of Biotechnology, Portuguese Catholic University. Oporto, Portugal.  
Institute of Food Research. Norwich, United Kingdom.  
Microbiology Laboratory, University of Porto, Portugal.