

<b>Department: Agriculture and Food</b>
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**Group name:** *Plant Ecophysiology, Climate Change and the Environment ECOPHYS*

**Acronym:** *ECOPHYS*

**Group Coordinator:** Núñez Olivera, Encarnación

**ANEP Area/s:** Plant and animal biology, ecology, Agriculture

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**Department Report:** 14/12/2004

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**RESEARCH TEAM**

**No. of researchers: 6**

<u>Researcher</u>	<u>Department</u>	<u>Professional Category</u>
Núñez Olivera, Encarnación	Agriculture and Food	Full Professor
del Castillo Alonso, María Ángeles	Agriculture and Food	Pre-doctoral
Martínez Abaigar, Javier	Agriculture and Food	Full Professor
Monforte López, Laura	Agriculture and Food	Assistant Professor
Soriano Sancha, Gonzalo	Agriculture and Food	Post-doctoral
Tomás las Heras, Rafael	Agriculture and Food	Associate Professor

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**COLLABORATORS**

**No. of collaborators: 0**

<u>Collaborators</u>	<u>Department</u>	<u>Professional Category</u>
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### Research areas

Effects of climate change and ultraviolet radiation on cultivated and wild plants.  
Vine ecophysiology  
Biomonitoring of environmental pollution (air, water, soil).  
Bryophytes: flora, ecology, ecophysiology and applied uses.  
Floristic biodiversity of La Rioja.  
Vegetation ecology.  
Plant molecular biology.  
Conservation of plant species.  
Application of UV radiation technology to the production of functional foods.

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### Scientific and technological offer

Measurement of solar and artificial ultraviolet radiation.  
Analysis of photosynthetic pigments (chlorophylls, carotenoids) and phenolic derivatives (flavonoids, stilbenes, etc.).  
Evaluation of environmental pollution through biomonitoring.  
Analysis of heavy metals in cultivated and wild plants.  
Chemical analysis of water.  
Biodiversity studies and identification of wild plants, ornamental plants, weeds, etc.  
Analysis of vitamin D in mushrooms and other foods.

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### National and International Relations

Gareth Jenkins (University of Glasgow, United Kingdom).  
Ales Pecinka (Max Planck Institute for Plant Breeding Research, Cologne, Germany).  
Annamaria Ranieri (University of Pisa, Italy).  
H. Becker (University of Saarbrücken, Germany).  
C. Wiencke (Alfred Wegener Institut, Bremerhaven, Germany).  
J. Duckett (Queen Mary's College, London, United Kingdom).  
C. Ballaré (IFEVA, Buenos Aires, Argentina).  
Ana Séneca and Lars Söderström (Norwegian University of Science and Technology (NTNU), Trondheim, Norway).  
Monika Schreiner (Leibniz-Institute of Vegetable and Ornamental Crops, Großbeeren, Germany).  
Harry Harmens (Centre for Ecology and Hydrology, Bangor, United Kingdom).  
Éva Hideg (University of Pecs, Hungary).  
Jocelyn Rose (Cornell University, USA).  
Satu Huttunen (University of Oulu, Finland).  
Pedro Aphalo (University of Helsinki, Finland).  
Yelitza León (University of Los Andes, Mérida, Venezuela).  
Luis Carlos Montenegro (National University of Colombia, Bogotá, Colombia).