

**Department: Agriculture and Food**

**Group name:** *Oenology: Chemistry, Oenological Technology and Statistical Analysis*

**Acronym:** *EnoIUR*

**Group Coordinator:** Ayestarán Iturbe, María Belén

**ANEP Area/s:** Food science and technology; Mathematics

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**Website:**

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

**RESEARCH TEAM**

**No. of researchers:** 8

<u>Researcher</u>	<u>Department</u>	<u>Professional Category</u>
Ayestarán Iturbe, María Belén	Agriculture and Food	Full Professor
Fillat Ballesteros, Juan Carlos	Mathematics and Computing	Associate Professor
Garde Cerdán, Teresa	ICVV	Ramón y Cajal
González Lázaro, Miriam	Agriculture and Food	Pre-doctoral
Guadalupe Mínguez, Zenaida	Agriculture and Food	Associate Professor
Hernández Martín, Zenaida	Mathematics and Computing	Tenured Professor
Higueras Hernaez, Manuel	Mathematics and Computing	Temporary Associate Professor
Martínez Lapuente, Leticia	Agriculture and Food	Part-time Hire

**COLLABORATORS**

**No. of collaborators:** 0

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

Factors and treatments for improving the quality of wines.  
Chemical and sensory characterisation of grapes and wine.  
Macromolecules of grapes and wine. Multivariate analysis.  
Teaching and learning of statistics.  
Bayesian regression.  
Modelling of count data: zero-inflation and -deflation, under- and over-dispersion, finite and continuous mixtures.  
Calibration models.  
Optimal experiment design.  
Survival analysis, including relative excess risk models.

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**Scientific and technological offer**

Analytical instrumentation to characterise grapes and wine.  
Expert panel of tasters of still and sparkling wines.  
Experimental cellar set up to perform winemaking tests. Specific software for statistical multivariate and sensory analysis, Shiny RStudio applications and RMarkdown reports and  
Consulting in data analysis.

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**National and International Relations**

UMR "Ingénierie des Agropolymères et Technologies Emergentes" Suprago Montpellier.