

Department: Chemistry

Group name: *Analytical Chemistry at University of La Rioja*

Acronym: *ACUR*

Group Coordinator: Tena Vázquez de la Torre, María Teresa

ANEP Area/s: Chemistry

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Department Report: 21/11/2019

RESEARCH TEAM
No. of researchers: 5

<u>Researcher</u>	<u>Department</u>	<u>Professional Category</u>
Tena Vázquez de la Torre, María Teresa	Chemistry	Full Professor
Cabredo Pinillos, Susana	Chemistry	Associate Professor
Gallarta González, Félix	Chemistry	Associate Professor
Martínez Moral, María Pilar	Chemistry	Part-time Hire
Sáenz Barrio, Cecilia	Chemistry	Associate Professor

COLLABORATORS
No. of collaborators: 0

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

Determination of contaminants in agri-food and environmental samples.
Determination of volatile organic compounds in environmental, industrial, agri-food and biomedical applications. Automation of the analysis of solid samples.
Circular economy of plastic packaging.
Volatolomic studies for the identification of biomarkers and early detection of diseases.
Identification of by-products of the photocatalytic degradation of emerging contaminants in water.

Scientific and technological offer

Gas chromatography coupled with mass spectrometry (GC-MS). Liquid chromatography coupled with mass spectrometry (LC-MS). High resolution mass spectrometry (HRMS): Time of Flight (TOF) and Orbitrap.
Tandem mass spectrometry (QqTOF and L TQ-Orbitrap).
Extraction techniques: Solid phase microextraction (SPME), pressurised liquid extraction (PLE) and focused ultrasound solid-liquid extraction (FUSLE).

National and International Relations

Prof. Kurunthachalam Kannan. School of Public Health, Environmental Health Sciences, SUNY at Albany and Wadsworth Center.
Prof. Claudia Bianchi. Department of Chemistry. University of Milan (Italy).