RESEARCH GROUP BACKGROUND AND ACCOMPLISHMENTS

FOOD SAFETY

2015-2020

FOOD SAFETY
CURRENT MEMBERS OF THE RESEARCH AREA

Group Director
Dra. Clara Coscoallà Raga coscolla_cla@gva.es (2016 - )
Dr. Vicent Yusà Pelechà: yusa_vic@gva.es (2008 – 2016)

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RECORD OF THE RESEARCH AREA

GROUP ACTIVITIES
The Research carried out by the Environmental Contaminants in Food Safety (CASA) Group focuses basically on the development of analytical methods to determine contaminants and residues in foods and environmental matrices, and the assessment of risk derived from the presence of contaminants in food.

LINES OF RESEARCH
1. Development of new methods for extracting organic contaminants in food and environmental matrices.
2. Development of new analytical methods using HPLC-MS/MS for the determination of emerging organic contaminants and trace residues of veterinary medicines.
3. Development of analytical and sampling methods to control pesticides and emerging contaminants in the environment and evaluation of the impacts on food and health.
4. Evaluation of the risk derived from the presence of contaminants and trace residues in food.
CURRENT COLLABORATIONS WITH OTHER RESEARCH GROUPS

Valencian Community:

1. Analytical Chemistry Department, University of Valencia
2. Centro de Estudios Ambientales del Mediterráneo Foundation (CEAM).

National: n/a

International:

1. ICARE-CNRS (Institut de Combustion, Aérothermique, Réactivité et Environnement (Orléans, France)
2. LIG’AIR-Surveillance de la qualité de l´air en Région Centre (Orléans, France)
3. University of Strasbourg-CNRS (Strasbourg, France)
4. RIKILT, Institute of Food Safety (Wageningen, The Netherlands)

SCIENTIFIC/TECHNICAL RECORD

1. Research projects funded


2. Participation in research contracts with companies or administrators.

n/a

3. Publications

YEAR 2020


YEAR 2019


YEAR 2018


YEAR 2017


**YEAR 2016**


2. Borras E, Tortajada-Genaro LA, Rodenas M, Vera T, Coscollà C, Yusà V, Munoz A. Gas-phase and particulate products from the atmospheric degradation of the organothiophosphorus insecticide chlorpyrifos-methyl. Chemosphere. 2015;138:888-94. DOI: [10.1016/j.chemosphere.2014.11.067](http://dx.doi.org/10.1016/j.chemosphere.2014.11.067)


**YEAR 2015**


4. Sanchis Y, Coscolla C, Roca M, Yusa V. Target analysis of primary aromatic amines combined with a comprehensive screening of migrating substances in kitchen utensils by liquid chromatography-high resolution mass spectrometry. Talanta. 2015;138:290-7. DOI: [10.1016/j.talanta.2015.03.026](http://dx.doi.org/10.1016/j.talanta.2015.03.026)

5. Vera T, Borras E, Chen J, Coscolla C, Daele V, Mellouki A, Rodenas M, Sidebottom H, Sun X, Yusa V, Zhang X, Munoz A. Atmospheric degradation of lindane and 1,3-dichloroacetone in the gas phase. Studies at the EUPHORE simulation chamber. Chemosphere. 2015;138:112-9. DOI: [10.1016/j.chemosphere.2015.05.061](http://dx.doi.org/10.1016/j.chemosphere.2015.05.061)


4. Participation in education and training programs.

1. Training of students from degrees studies in chemistry, biology, pharmacy and veterinary from different Universities of Valencia Region.

2. Master of Experimental Techniques in Chemistry (Faculty of Chemistry, University of Valencia)

3. Master of Pollution and Ambiental Toxicology (Faculty of Biology, University of Valencia)

4. Master of Public Health (EVES, Health Department)

5. Associate professors in the Analytical Chemistry and Preventive Medicine, Public Health, Food Sciences, Toxicology and Legal Medicine Departments, University of Valencia.

6. Professors in the programme “Formació a la carta”, Chemistry Faculty, University of Valencia.

7. Trainings related with Food Safety and Public Health Laboratories (EVES, Conselleria Sanitat)
5. Doctoral theses

Fecha: 07/11/2019  
Título: Desarrollo de nuevas estrategias analíticas basadas en la Espectrometría de Masas para la determinación de contaminantes procedentes de la migración de materiales plásticos en alimentos.  
Doctorando: Yovana Sanchis Boix.  
Director/es: Dr. Vicente Yusà Pelechà, Dra. Clara Coscollà Raga.  
Universidad: Universitat de València.  
Calificación: Sobresaliente Cum Laude.

Fecha: 26/07/2018  
Título: Desarrollo de estrategias analíticas basadas en la Espectrometría de masas de alta resolución para la determinación de plaguicidas en el aire ambiente.  
Doctorando: Antonio López Tobaruela.  
Director/es: Dr. Vicente Yusà Pelechà, Dra. Clara Coscollà Raga.  
Universidad: Universitat de València.  
Calificación: Sobresaliente Cum Laude.

Fecha: 2015  
Título: Estudios de dieta total. Exposición de la población de la Comunidad Valenciana a metales y evaluación del riesgo.  
Doctorando: Silvia Marín Villuendas.  
Director/es: Dr. Vicente Yusà Pelechà, Dra. Guillermina Font Pérez.  
Universidad: Universitat de València.  
Calificación: Sobresaliente Cum Laude.