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## *TecnATox OUTPUTS 2019*

### ENVIRONMENT

#### **FlameRISK**

**(Spanish Ministry)**

Sources, exposure and health risk to legacy and emerging Flame retardants in Spanish indoor environments. An integrated Health RISK Approach (FlameRISK) (2019-2021)



INTERWASTE

**(MSCA-RISE)**

Synergising International Research Studies into the Environmental Fate and Behaviour of Toxic Organic Chemicals in the Waste Stream (2017-2020)



NEUROSOME

**(MSCA-ITN-ETN)**

Exploring the neurological exposome (2017-2021)

#### **TOXMIC-TECNIOSPRING**

Toxicant monitoring chamber for microcontaminants (2018-2020)

#### **SafePLASTICs-TECNIOSPRING**

Safety assessment of micro- and nanoplastics (2019-2021)

#### **DARP**

CARACTERITZACIÓ DE LES BIOCENOSIS DE FANERÒGAMES MARINES. Cambrils i Hospitalet de l'Infant/Vandellòs (2019)

### FOOD TOXICOLOGY & SUSTAINABILITY



**(Horizon2020)**

Nutritious, safe and sustainable seafood for consumers of tomorrow (2017 – 2020)

### Projects

#### TOXICOLOGY and SYSTEM TOXICOLOGY

##### **HEALS (FP7)**

Individual exposome characterization (2013 – 2018, Extended June 2019) (Finished)

#### TRANSVERSAL PROJECT: FOOD, EXPERIMENTAL AND SYSTEMS TOXICOLOGY

##### **EUROMIX (Horizon2020)**

Risk assessment of mixtures of chemicals (2015-2019)(Finished)

##### **MODELBIS (Spanish Ministry)**

MODELIZACION FARMACOCINETICA Y FARMACODINAMICA DE BISFENOL A Y SUS ANALOGOS: APROXIMACION A LAS MEZCLAS (2016-2019) (About to finish)

### HEALTH



**(Horizon2020)**

European Human Biomonitoring Initiative (2017-2021)

##### **INTIMIC-EARLYFOOD (PCIN-Spanish Ministry)**

Interrelation of the Intestinal Microbiome, Diet and Health (2017-2020)

### ERASMUS +



Innovative trAining Solution for implementing Integrated Management System (IMS) in SME (2018-2021)

##### **ANDCOM.**

4.0 didactic approaches in duty of developing ANDragog's COMpetences (2019-2022)

# INSIDE TECN TOX

The newsletter of the Centre for Environmental, Food and Toxicological Technology

Summary of 2019 activities

## + 2 New accepted projects that will start in 2020

**Exposure to emerging contaminants in drinking water in Barcelona potentially linked to chronic diseases and wellbeing.** (ISGLOBAL-CSIC)

**R2B IN-NOVAPlastics.** Integració de tècniques inNOVAdores per mesurar la quantitat de micro-nanoPLÀSTIC en mostres ambientals

## Publications

**Articles published:** 40

## Conferences

**Oral presentations:** 4

**Posters:** 31 (1 of them posterspotlight and 1 poster corner)



- National Conference of Psychology and the **ASTRO Annual Meeting** (Chicago, IL (USA))
- **IV Congreso Nacional de Psicología e International Symposium on Psychological Prevention** (Vitoria-Gasteiz, Spain)
- **EUROTOX 2019** (Helsinki, Finland)
- **SETAC Europe 29th Annual meeting** (Helsinki, Finland)
- **YES SETAC 2019.** Ghent (Belgium)
- **IUTOX 15th International Congress of Toxicology** (Honolulu, Hawaii)
- **SETAC Latin America 13th Biennial Meeting.** (Cartagena, Colombia)
- **International Conference on Integrated Problem-Solving Approaches to Ensure Schoolchildren's Health** (Budapest, Hungary)
- 17th biannual meeting of the **International Neurotoxicology Association (INA-17)** (Dusseldorf, Germany)
- Workshop "*Neuropsychological exploration: technological and conceptual advances*"(Barcelona)
- Congr s IISPV



Seven initiatives by researchers from the Universitat Rovira i Virgili received a grant of the **Research to Business** program organized by the URV, through the Foundation's valorisation unit, to **promote initiatives that favor the arrival to market of knowledge and technologies developed in the University.**

## Thesis

15/11/19	<b>Elga Schreiber Bru</b> "Efectes de l'exposició al n-butilparab�n en el sistema reproductor mascul� i l'estr�s oxidatiu en testicles de rates joves". Supervisors: Dra. M. Mercedes G�mez, Dra. T�nia Garcia and Dra. Margarita Torrente
15/10/19	<b>Laia Guardia Ecot�</b> "Postnatal chlorpyrifos exposure influences the gut microbiota and the expression of biological and neurobehavioral characteristics of the apoe genotype in an age-dependent manner". Supervisors: Dra. Maria Teresa Colomina Fosch, Dr. Jordi Blanco P�rez, Dra. Maria Cabr� Bargall�
28/06/19	<b>Fedra Nicaury Luciano Mateo</b> "The role of chemokine (c-c motif) ligand 2 in inflammation, oxidative stress, aging and metabolism". Supervisors: Dr. Jos� Luis Domingo Roig and Dr. Jorge Joven Maried



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Summary of 2019 activities

## General population activities

### HOT TOPIC: POLLUTANTS IN CLOTHES



**Prof. Domingo** was interviewed by *SINC La Ciencia es Noticia (Science is news)*, *La Vanguardia* and a radio interview.

**Dr. Joaquim Rovira** was interviewed by el Diari de Tarragona about the chemicals in clothes



More than 12 new Press appearances + those published in 2018

### HOT TOPIC: MICROPALSTICS



More than 40 Press appearances national and international...



**Prof. José L. Domingo**, gave a talk about the health effects of environmental pollution in Tarragona.



**Prof. José L. Domingo** appeared in the Documentary "És a l'Aire" about the potential effects of the petrochemical industry of Tarragona on the health of the population.

**Prof. Maria Teresa Colomina**, director of the "Neurotoxicology, Psychopharmacology and Behavioral Science" area of TecnATox, together with researchers from UNED and Universidad de Oviedo, have recently conducted the following radio show: "Multiple influences that shape behavior: Psychoexposome".



**Dr. Jame Floch** presented his book. Awarded with 2 prizes **Dr. Marta Schuhmacher**. Water talks on microplastics. Round table. (UB; Barcelona)

**Dr. Margarita Torrente**, led a round table about stress and emotions of caregivers. Centre de Lectura (Reus)

**Dr. Marta Schuhmacher** participated at jornades de dones científiques i medi ambient organized by l'Institut d'Estudis Catalans



FlameRISK



**Fem Recerca! Tallers Nexes**  
Com estudiem els rols ambientals de les microalgues?



3 High schools  
43 students



Thanks Montse Marquès for updating the website so efficiently!