

c v n CURRÍCULUM VITAE NORMALIZADO



Nicola Montemurro

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I have extensive experience in assessing the fate of wastewater-derived pollutants and their transformation products/metabolites in the soil-root-plant system and in the environment to assess the risk that these substances may represent for human health and ecosystems. After the M.Sc., I was selected for a 12-month scholarship for a Postgraduate Specialization and Advanced Professional Training Course on the treatment of wastewater for reuse in agriculture within the European project PON1_01480 In.Te.RRA. Subsequently, I obtained a competitive Pre-Doc scholarship to carry out my PhD in Biodiversity, Agriculture and Environment at the Department of Agricultural and Environmental Sciences (DISAAT) of University of Bari, Italy. During my PhD, I studied the effects of irrigation of crops with treated wastewater, in terms of quality and safety. I compared different treatment technologies and different qualities of treated wastewater, as well as the presence of faecal contamination indicators in soil and on crops irrigated with treated wastewater, in farming conditions. I also evaluated the agronomic aspect of water reuse such as nutrient supply, yield and saving of chemical fertilizers. Moreover, I moved for a 15-month pre-doctoral stay at the Institute of Environmental Assessment & Water Research (IDAEA-CSIC, Barcelona) to evaluate the presence and fate of organic contaminants in water, soil, and crops and the impact on human health. During this stay, I learned the basis of analytical chemistry and established a line of research on drugs uptake by crops in the hosting group. I developed several analytical methods based on liquid chromatography coupled to high-resolution mass spectrometry (LC-HRMS) for the determination of wastewater-derived pollutants in different matrices including wastewater effluents, soil, crops, or biota. My PhD research resulted in 5 articles (2 first-authored and 1 senior-authored papers) published in top international peer-reviewed scientific journals and 2 book chapter. The generated knowledge was disseminated in several international conferences in Europe. Thru my pre-PhD period, I demonstrated my willingness as well as the ability to acquire knowledge and develop new skills through advanced training and international mobility. After completing my PhD studies in 2017, I returned to IDAEA to work with Prof. D. Barceló on the international Water-JPI AWARE (PCIN-2017-067) project focused on assessing the fate of pesticides and wastewater-borne contaminants in crops and their environmental risks. My role in the project consisted in developing new fast and environmental-friendly analytical methods to determine pharmaceuticals in a variety of farm plants and other matrices as well as the analytical determinations of the whole project. The success of this first postdoctoral stage and the good results obtained are reflected in the publication of 10 collaborative articles, 3 book chapters, and 1 edited book. Results were published in high-ranking peer reviewed journals, by that ensuring even more the quality of the results reached in cooperation. I also had the opportunity to co-supervise 1 post-doc, 3 master students and several visiting students, which contributed to improve my mentoring skills. Moreover, in recognition of my expertise, I attended many meetings and seminars with top scientists in the field of environmental chemistry as well as to perform specialized courses and short stays. I also held an



important research collaboration with AB SCIEX S.L. becoming expert in the use of hybrid-QTOF systems and publishing several scientific papers. In addition, I am also Lecturer at the Master in Environmental Engineering of the Universidad Politecnica de Cataluña. In November 2020, I was re-hired as a postdoc at IDAEA to work in the framework of Water-JPI2018 URBANWAT (PCI2019-103616) project until August 2022. My research was largely oriented to gain knowledge in the field of HRMS combining target and non-target analysis to assess the presence of polar organic contaminants and the impact of treated wastewater into the environment. During this stage, I have supervised 2 PhD students (expected graduation: 2024), 1 post-doc, 2 master students, and 1 technician and I was the principal investigator of the MixPersiRisk project (IDAEA-Sinergia Program, Severo Ochoa Grant) regarding the risk of persistent and mobile chemicals in aquatic ecosystems. In September 2022, I started my 4th postdoc at IDAEA in the framework of European research and innovation PARC program to improve chemical risk assessment in order to protect health and the environment. In this project I started to exploit my knowledge on environmental pollution (water, plants, soil, and aquatic biota) to close the gap with human exposure by developing new methodological approaches to assess effects on humans or on target organisms in the environment. In January 2023, I started working as Ramón y Cajal fellow researcher at the IDAEA-CSIC

General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Director of three doctoral theses (expected graduation: 2024 and 2027). Director of 8 masters and 1 bachelor's degree presented in Spain from 2018 onwards. Trainer of 3 visiting postdoctoral researchers and several young researchers among doctoral students, MCs and BCs students, and Erasmus students.

Main scientific achievements:

41 original research articles and 5 book chapters (7 as first author, 1 as "Papers in Forefront", 8 as corresponding author, and 4 senior-authored paper) in journals included in the Science Citation Index (SCI) (33 out of the 41 in Q1 ranked journals) attracting more than 450 citations (Scopus database), H-index = 13.

Editor of 1 book (Volume 698 of The Handbook of Environmental Chemistry, Springer) (March 2021).

64 months of post-doctoral stay (+5 for free) at IDAEA-CSIC in Barcelona, Spain.

More than 120 national and international conferences in the fields of Environmental Pollution and Environmental Analytical Chemistry including 58 oral communication (25 as main speaker including 7 invited talks) and 66 poster presentation.

Awarded 30.000 € as PI of MixPersiRisk project (IDAEA - Sinergias Programme, Severo Ochoa Grant)

Other merits:

Guest editor in Molecules (MDPI journal), SI: Organic Pollutant Analysis in the Environment.

Peer reviewer of manuscripts for leading scientific journals in "environmental sciences" and "analytical chemistry" including Science of Total Environment, Chemosphere, Environmental Science and Pollution Research, Environmental Research, MethodsX, Water Research, Ecotoxicology and Environmental Safety, and Ecotoxicology journals.

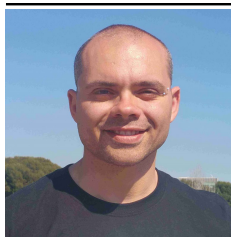
Lecturer of Attenuation of organic pollutants during wastewater and drinking water treatments - Agricultural reuse within the subject "Organic contaminants in the aquatic environment and its environmental risk" of the MSc program "Environmental Engineering" from the Polytechnic University of Catalonia (Barcelona Tech) since 2019.

Participation in 7 EU projects, 3 Spanish national project, and 5 research contracts with other institutions.

As for the organization of scientific activities, chairman and organizer of the session C07-Fate and metabolism of wastewater-derived pollutants for the 31st Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC) and session 3.13-HR-MS Analysis of Metabolites and Transformation Products of Organic Pollutants - What Remains Unknown for the 33rd SETAC Europe Annual Meeting.

Organizer and scientific committee of the 1st TwiNSol-CECs Summer School on analytical methodologies for determination of CECs in the environment organized by the University of Novi Sad, Faculty of Technology Novi Sad (TFNS).

Member of different scientific societies.

**Nicola Montemurro**

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Current professional situation

Employing entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC) **Type of entity:** Public Research Body
Department: Centro de Investigación y Desarrollo
Professional category: Ramon y Cajal fellow researcher **Educational Management (Yes/No):** Yes
Start date: 01/01/2023
Type of contract: Temporary employment contract **Dedication regime:** Full time
Primary (UNESCO code): 230100 - Analytical chemistry
Tertiary (UNESCO code): 320901 - Analysis of pharmaceuticals
Performed tasks: In January 2023, I started working as Ramón y Cajal fellow researcher at the IDAEA-CSIC. Following the work begun in the PARC Program on the presence, impact, and fate of anthropogenic organic pollutants in the environment, biota, food, and humans, my goal is to predict which chemicals may pose a risk to humans based on the analysis of the human-environment system. The innovative aspect of the research will make use of biological (human biomonitoring) and environmental samples (wastewater, biota, and crop samples) to a global understanding of human exposure to organic pollutants. By combining the latest advances in non-target analysis and risk chemicals databases, the research aims to determine and predict food-related human exposure to organic chemicals based on the analysis of environmental samples and understand which compounds may be harmful to humans.

Identify key words: Natural sciences and health sciences

Previous positions and activities

	Employing entity	Professional category	Start date
1	INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC)	M3	01/09/2022
2	INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC)	G1	16/11/2020
3	INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC)	G1	08/02/2018
4	INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC)	G1	01/10/2017

1 **Employing entity:** INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC) **Type of entity:** Public Research Body
Professional category: M3 **Educational Management (Yes/No):** Yes
Start-End date: 01/09/2022 - 31/12/2022 **Duration:** 3 months
Type of contract: Permanent employment contract
Dedication regime: Full time
Performed tasks: In September 2022, I will start my 4th postdoc at IDAEA-CSIC in the framework of European research and innovation PARC programme to improve chemical risk assessment in order to protect health and the environment. This major project will give me the opportunity to exploit my knowledge on environmental contamination (water, plants, soil, and aquatic biota) by closing the gap on human exposure developing new methodological approaches to assess effects on humans or on target organisms in the environment. The work of NM will consist of investigating the presence, impact, and fate of anthropogenic organic pollutants (Endocrine disruptors, EDCs) in the water cycle, terrestrial environment, biota, food, and humans, including not only those that are regulated in the legislation (priority contaminants) but also contaminants of recent interest not yet assigned or for which there are currently no proposals for action and, for which data on the environmental occurrence and ecotoxicity data are very scarce.

2 **Employing entity:** INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC) **Type of entity:** Public Research Body
Professional category: G1 **Educational Management (Yes/No):** Yes
Start-End date: 16/11/2020 - 31/08/2022 **Duration:** 21 months - 15 days
Type of contract: Temporary employment contract
Dedication regime: Full time
Performed tasks: Within the WaterJPI-2018 URBANWAT project (Tools and criteria for URBAN groundWATER management, PCI2019-103616), the work of NM consists of investigating the

presence, impact, and fate of organic pollutants in the water cycle, terrestrial environment, biota, food, and humans, including not only those that are regulated in the legislation (priority contaminants) but also contaminants of recent identification (contaminants of emerging concern) for which environmental occurrence and ecotoxicity data are very scarce. Specifically, his work consists of evaluating the presence of high and medium polar pharmaceuticals in the groundwater of the city of Barcelona (Spain) using LC-HRMS/MS Orbitrap or hybrid Q-ToF systems.

- 3** **Employing entity:** INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC) **Type of entity:** Public Research Body
- Professional category:** G1 **Educational Management (Yes/No):** Yes
- Start-End date:** 08/02/2018 - 30/09/2020 **Duration:** 2 years - 7 months - 24 days

Type of contract: Temporary employment contract

Dedication regime: Full time

Performed tasks: Within the WaterJPI-2015 AWARE project (ASSESSING THE FATE OF PESTICIDES AND WATERBORNE CONTAMINANTS IN AGRICULTURAL CROPS AND THEIR ENVIRONMENTAL RISKS, PCIN-2017-067), the work of NM consists of investigating the fate and potential reduction of pesticides and wastewater-borne contaminants in soil/plants from agricultural crops during irrigation practices involving treated wastewater. His work is addressed to develop new fast and environmental-friendly analytical methods for different matrices (Water, lettuce, radish, soil, and earthworms). All methods are based on an adjustment of the QuEChERS method (EN 15662) while the detection is performed using a new hybrid Q-ToF system X500R by SCIEX (Sciex, Darmstadt, Germany).

- 4** **Employing entity:** INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC) **Type of entity:** Public Research Body
- Professional category:** G1 **Educational Management (Yes/No):** No
- Start-End date:** 01/10/2017 - 31/01/2018 **Duration:** 4 months

Type of contract: Temporary employment contract

Dedication regime: Full time

Performed tasks: Analysis of biologically active compounds provided by the company ALMIRALL in biological matrices in the following tests: binding to plasmatic proteins, microsomal metabolism, and plasmatic stability assays

Field of management activity: R&D



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

1 University degree: Middle degree

Name of qualification: Bachelor's Degree in Cellular and Molecular Biology

City degree awarding entity: Bari, Puglia, Italy

Degree awarding entity: Università degli Studi di Bari ALDO MORO (ITALY) **Type of entity:** University

Date of qualification: 06/10/2009

Standardised degree: Yes

Date of homologation: 08/01/2019

Foreign qualification: Laurea di Primo Livello in Biologia Cellulare e Molecolare

2 University degree: Higher degree

Name of qualification: Master's Degree in Environmental Biology

City degree awarding entity: Bari, Puglia, Italy

Degree awarding entity: Università degli Studi di Bari ALDO MORO (ITALY) **Type of entity:** University

Date of qualification: 22/03/2012

Standardised degree: No

Foreign qualification: Laurea Magistrale in Biologia Ambientale

Doctorates

Doctorate programme: PhD in Biodiversity, Agriculture and Environment (XXIX cycle)

Degree awarding entity: Università degli Studi di Bari ALDO MORO (ITALY) **Type of entity:** University

City degree awarding entity: Bari, Puglia, Italy

Date of degree: 27/04/2017

DEA awarding entity: Università degli Studi di Bari ALDO MORO (ITALY)

Date DEA was awarded: 27/04/2017

Thesis title: Effects of treated municipal wastewater for agricultural reuse

Thesis director: Pietro Santamaria

Thesis co-director: Antonio Lonigro

Standardised degree: Yes

Date of standardisation: 29/07/2022



Other postgraduate university studies

- 1** **Type of education:** Postgraduate
Postgraduate qualification: Specialist in wastewater treatment and its use in agriculture
Degree awarding entity: Università degli Studi di Bari ALDO MORO (ITALY) **Type of entity:** University Centres and Structures and Associated Bodies
Faculty, institute or centre: Scienze Matematiche, Fisiche e Naturali
Date of qualification: 28/02/2014
Obtained qualification: Expert in wastewater treatments and reuse
- 2** **Type of education:** Postgraduate
Postgraduate qualification: Specialization Course in Biology of Nutrition
Degree awarding entity: Università degli Studi di Bari ALDO MORO (ITALY) **Type of entity:** University Centres and Structures and Associated Bodies
Faculty, institute or centre: Scienze Matematiche, Fisiche e Naturali
Date of qualification: 02/07/2010
Obtained qualification: Nutritionist

Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

- 1** **Title of course/seminar:** "INTRODUCCIÓN AL SOFTWARE ESTADÍSTICO R. APLICACIONES EN ESTADÍSTICA BÁSICA"
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Duration in hours: 25 hours
Start-End date: 24/10/2022 - 28/10/2022
- 2** **Title of course/seminar:** "MÁS ALLÁ DEL LABORATORIO. DESARROLLA TU IDEA DE NEGOCIO 2ª EDICIÓN"
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Duration in hours: 7 hours
Start-End date: 21/10/2021 - 21/10/2021
- 3** **Title of course/seminar:** "IMPLANTACIÓN DE UN SISTEMA DE GESTIÓN DE LA CALIDAD PARTIENDO DESDE CERO"
Goals of the course/seminar: Implementation and certification of a Quality Management System in the laboratory
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Duration in hours: 15 hours
Start-End date: 27/09/2021 - 29/09/2021
- 4** **Title of course/seminar:** PREVENCIÓN DE TRASTORNOS MUSCULOESQUELÉTICOS. TALLER OSTEOARTICULAR (Online course)
Goals of the course/seminar: Osteomuscular theoretical practical workshop and postural hygiene
Organising entity: Preventing Consultores S.L.U.



Duration in hours: 2 hours
Start-End date: 16/09/2021 - 16/09/2021

5 Title of course/seminar: PRIMEROS AUXILIOS DE CAMPO

Goals of the course/seminar: FIRST AID IN THE FIELD

Organising entity: Preventing Consultores S.L.U.

Type of entity: Associations and Groups

Duration in hours: 4 hours

Start-End date: 08/07/2021 - 08/07/2021

6 Title of course/seminar: CORONAVIRUS COVID-19 (Online course)

Goals of the course/seminar: Urgent prevention, containment and coordination measures to deal with the health crisis caused by COVID-19

Organising entity: Preventing Consultores S.L.U.

Duration in hours: 3 hours

Start-End date: 28/06/2021 - 28/06/2021

7 Title of course/seminar: PRIMEROS AUXILIOS GENERALES

Goals of the course/seminar: GENERAL FIRST AID

Organising entity: Preventing Consultores S.L.U.

Type of entity: Associations and Groups

Duration in hours: 4 hours

Start-End date: 09/06/2021 - 09/06/2021

8 Title of course/seminar: "HORIZONTE EUROPA, EL NUEVO PROGRAMA MARCO (2021-2027) Y OTRAS OPORTUNIDADES EUROPEAS E INTERNACIONALES 1ª EDICIÓN (AULA VIRTUAL)"

Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Duration in hours: 15 hours

Start-End date: 12/04/2021 - 14/04/2021

9 Title of course/seminar: "ADOBE ILLUSTRATOR CS5 COMPLETO ON LINE"

Goals of the course/seminar: Complete online course to learn how to manipulate images with levels and curves, automate tasks with ILLUSTRATOR CS5 suite

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Faculty, institute or centre: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA

Duration in hours: 40 hours

Start-End date: 05/10/2020 - 06/11/2020

Length: 5 days

Aims of the stay: Post-doctoral

10 Title of course/seminar: "NIVEL BASICO PREVENCION DE RIESGOS LABORALES"

Goals of the course/seminar: General and specific risks and their prevention, basic elements of risk prevention management, first aid

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Faculty, institute or centre: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA

Duration in hours: 50 hours

Start-End date: 26/11/2019 - 03/02/2020

Length: 5 days

Aims of the stay: Post-doctoral



- 11 Title of course/seminar:** "SWEMSA 2019" Non-Target Workshop
Goals of the course/seminar: An international, interdisciplinary workshop on Non-Target Screening embedded in (Open Access) Platforms and Multidisciplinary Application
City organizing entity: Erding (Munich), Germany
Organising entity: Analytische Forschungsinstitut für Non-Target Screening GmbH **Type of entity:** Associations and Groups
Duration in hours: 25 hours
Start-End date: 21/10/2019 - 23/10/2019 **Length:** 3 days
Aims of the stay: Post-doctoral
- 12 Title of course/seminar:** "PHOTOSHOP CS5 COMPLETO ON LINE"
Goals of the course/seminar: Complete online course to learn how to manipulate images with levels and curves, automate tasks with PHOTOSHOP CS5 suite
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 50 hours
Start-End date: 09/09/2019 - 18/10/2019 **Length:** 5 days
Aims of the stay: Post-doctoral
- 13 Title of course/seminar:** "FORMACION BASICA EN SALIDAS DE CAMPO"
Goals of the course/seminar: Basic Prevention and Work-related Injuries Associated with Field Trips
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 4 hours
Start-End date: 17/10/2019 - 17/10/2019 **Length:** 5 days
Aims of the stay: Post-doctoral
- 14 Title of course/seminar:** 4th International Mass Spectrometry School, Sitges (Spain) 15-20 September, 2019.
Goals of the course/seminar: A six day full immersion school aimed to give advanced education in mass spectrometry to graduate, PhD, post-doc students and young scientists working in the areas of chemistry, biosciences, food, environment and medicine
City organizing entity: Sitges, Catalonia, Spain
Organising entity: International Mass Spectrometry Foundation (IMSF) and the Spanish Mass Spectrometry Society (SEEM) **Type of entity:** Associations and Groups
Duration in hours: 40 hours
Start-End date: 15/09/2019 - 20/09/2019 **Length:** 6 days
Aims of the stay: Post-doctoral
- 15 Title of course/seminar:** "Q Exactive Operations & Software Course"
Goals of the course/seminar: Use of high resolution accurate mass (HRAM) for qualitative and quantitative analysis with a focus on small molecules applications
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Thermo Scientific Sales Support Team
Duration in hours: 24 hours
Start-End date: 23/07/2019 - 25/07/2019 **Length:** 5 days
Aims of the stay: Post-doctoral



- 16 Title of course/seminar:** "TRATAMIENTO DIGITAL DE IMÁGENES Y DISEÑO GRÁFICO CON SOFTWARE LIBRE: GIMP ON LINE"
Goals of the course/seminar: Online course to learn how to manipulate images with levels and curves, automate tasks with GIMP free open-source image editor for Windows
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 50 hours
Start-End date: 13/05/2019 - 21/06/2019 **Length:** 5 days
Aims of the stay: Post-doctoral
- 17 Title of course/seminar:** "ESTADÍSTICA APLICADA I (ESTADÍSTICA BÁSICA)"
Goals of the course/seminar: Introduction to the statistics course and use of the STATA 15.0 statistical software
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 25 hours
Start-End date: 13/05/2019 - 17/05/2019 **Length:** 5 days
Aims of the stay: Post-doctoral
- 18 Title of course/seminar:** "INTRODUCCION AL DISEÑO DE ESPERIMENTOS"
Goals of the course/seminar: Introduction to the experimental design course and use of the JMP (SAS) statistical software
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 25 hours
Start-End date: 19/11/2018 - 23/11/2018 **Length:** 5 days
Aims of the stay: Post-doctoral
- 19 Title of course/seminar:** "EXCEL 2010 AVANZADO ON LINE"
Goals of the course/seminar: Advanced course of EXCEL 2010 Online
City organizing entity: Baecelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Duration in hours: 40 hours
Start-End date: 01/10/2018 - 05/11/2018 **Length:** 1 month - 5 days
Aims of the stay: Post-doctoral
- 20 Title of course/seminar:** "INGLES ESPECIFICO: MEETINGS ON LINE (NIVEL B2)"
Goals of the course/seminar: SPECIFIC ENGLISH: MEETINGS ON LINE (LEVEL B2)
City organizing entity: Baecelona, Catalonia, Spain
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Duration in hours: 30 hours
Start-End date: 01/10/2018 - 02/11/2018 **Length:** 1 month
Aims of the stay: Post-doctoral



- 21** **Title of course/seminar:** Lipidomic Workshop
Goals of the course/seminar: Introduction to lipidomics and the latest improvements
City organizing entity: Baecelona, Catalonia, Spain
Organising entity: AB SCIEX Spain, S.L. **Type of entity:** Business
Faculty, institute or centre: Fundació Clinic per la Recerca Biomèdica
Duration in hours: 5 hours
Start-End date: 29/10/2018 - 29/10/2018 **Length:** 1 day
Aims of the stay: Post-doctoral
- 22** **Title of course/seminar:** "MALDI: del perfil a la imagen" Dr. Joaquin Abian
Goals of the course/seminar: Environmental Chemistry Seminars
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 2 hours
Start-End date: 19/04/2018 - 19/04/2018 **Length:** 1 day
- 23** **Title of course/seminar:** "People, plastics and pollutants: Passive sampling of POPs in the Great Lakes (and beyond)" Prof. Rainer Lohmann (USA)
Goals of the course/seminar: Environmental Chemistry Seminars
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 2 hours
Start-End date: 22/03/2018 - 22/03/2018 **Length:** 1 day
- 24** **Title of course/seminar:** "Desastres nucleares, hambre oculta o el legado de la gasolina con plomo: ejemplos de aplicaciones de la espectrometria de masas con plasma acoplado inductivamente (ICP-MS) en Problemas ambientales" Dr. Maria Izquierdo
Goals of the course/seminar: Environmental Chemistry Seminars
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 2 hours
Start-End date: 23/02/2018 - 23/02/2018 **Length:** 1 day
- 25** **Title of course/seminar:** "Abejas y sus productos: what a wonderful world..." Dr. Serena M.R. Tulini
Goals of the course/seminar: Environmental Chemistry Seminars
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 2 hours
Start-End date: 15/12/2017 - 15/12/2017 **Length:** 1 day
- 26** **Title of course/seminar:** 3rd Meeting of Young Researchers from the IDAEA-CSIC
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 8 hours
Start-End date: 27/10/2017 - 27/10/2017 **Length:** 1 day
- 27** **Title of course/seminar:** "Biochar y lombrices de tierra: un tándem funcional para incrementar la estabilidad de enzimas detoxificantes en el suelo" Prof. Juan C. Sanchez-Hernandez
Goals of the course/seminar: Environmental Chemistry Seminars
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA



Duration in hours: 2 hours

Start-End date: 13/07/2017 - 13/07/2017

Length: 1 day

- 28 Title of course/seminar:** Mass Spectrometry Course: Fundamentals, Identification and Characterization of Organic Compounds
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Sociedad Española de Espectrometría de Masas (SEEM) **Type of entity:** Sociedad
Duration in hours: 8 hours
Start-End date: 12/06/2017 - 12/06/2017 **Length:** 1 day
- 29 Title of course/seminar:** Los últimos avances en LC/MS en Alimentación y Medio Ambiente para Superar los nuevos retos Analíticos
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: AB SCIEX Spain, S.L. **Type of entity:** Business
Duration in hours: 5 hours
Start-End date: 07/06/2017 - 07/06/2017 **Length:** 1 day
Aims of the stay: Post-doctoral
- 30 Title of course/seminar:** Compliance y Data Integrity: Novedades en entornos regulados
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Agilent Technologies Spain, S.L. **Type of entity:** Business
Duration in hours: 8 hours
Start-End date: 09/05/2017 - 09/05/2017 **Length:** 1 day
Aims of the stay: Post-doctoral
- 31 Title of course/seminar:** Basic X500R Training
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: AB SCIEX Spain, S.L.
Duration in hours: 15 hours
Start-End date: 03/04/2017 - 05/04/2017 **Length:** 3 days
Aims of the stay: Doctorate
- 32 Title of course/seminar:** Jornadas sobre Medioambiente y Alimentación de Agilent Technologies
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Agilent Technologies Spain, S.L. **Type of entity:** Business
Duration in hours: 5 hours
Start-End date: 07/03/2017 - 07/03/2017 **Length:** 1 day
Aims of the stay: Doctorate
- 33 Title of course/seminar:** "Cuanto influye el ambiente donde crecen los alimentos en su composición y en su inocuidad?" Prof. Dr. Daniel A. Wunderlin
Goals of the course/seminar: Environmental Chemistry Seminars
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA
Duration in hours: 2 hours
Start-End date: 01/10/2016 - 01/12/2016 **Length:** 1 day
- 34 Title of course/seminar:** 2nd Meeting of Young Researchers from the IDAEA-CSIC
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA



Duration in hours: 8 hours

Start-End date: 27/10/2016 - 27/10/2016

Length: 1 day

35 Title of course/seminar: "Lessons Learned from Fish on Prozac and other Adventures in Urban Waters" Prof. Bryan Brooks

Goals of the course/seminar: Environmental Chemistry Seminars

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA

Duration in hours: 2 hours

Start-End date: 06/10/2016 - 06/10/2016

Length: 1 day

36 Title of course/seminar: European Food and Environmental Seminar

Goals of the course/seminar: Chromatography, Mass Spectrometry and Trace Elemental Analysis

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: ThermoFisher Scientific Spain

Type of entity: Business

Duration in hours: 5 hours

Start-End date: 28/09/2016 - 28/09/2016

Length: 1 day

Aims of the stay: Doctorate

37 Title of course/seminar: "Quanto influye el ambiente donde crecen los alimentos en su composición y en su inocuidad?" Prof. Dr. Daniel Wunderlin

Goals of the course/seminar: Environmental Chemistry Seminars

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA

Duration in hours: 2 hours

Start-End date: 01/09/2016 - 01/09/2016

Length: 1 day

38 Title of course/seminar: H2020-MSCA-ITN-2015/675530 ANSWER Summer School "AntibioticS and mobile resistance elements in Wastewater Reuse applications: risks and innovative solutions"

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: Nireas International Water Research Center of the University of Cyprus

Duration in hours: 44 hours

Start-End date: 13/06/2016 - 23/06/2016

Length: 11 days

Target group profile: Graduate students in the field of environmental engineering / chemistry, chemistry and microbiology

Funding programme: H2020-MSCA-ITN-2015/67553

Provable tasks: The objective of this event was to provide young researchers with knowledge of professional and personal development on the reuse of wastewater. Through the Summer School the following aspects were addressed: Wastewater reuse practices; Implications for human health; Chemistry and destination of contaminants of emerging interest and their transformation products in wastewater reuse systems; Bacterial diversity and ecophysiology in water and soil; The evaluation of the risk of transfer of antibiotic resistance genes to the soil and mud environments; Dynamics of antibiotic resistance in crop production systems / Absorption of trace elements by crops Biotic / abiotic factors that stimulate the horizontal transfer of genes in aquatic microbiomes; Advanced wastewater treatment processes currently applied at pilot scale.

Aims of the stay: Summer school

39 Title of course/seminar: NEREUS COST ACTION ES1403 TRAINING SCHOOL Methods for detecting and quantifying antibiotic-resistant bacteria and antibiotic resistance genes in the environment

Goals of the course/seminar: Training School

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: Nireas International Water Research Center of the University of Cyprus

Duration in hours: 18 hours



Start-End date: 13/06/2016 - 15/06/2016

Length: 3 days

Target group profile: Researchers and / or technical / normative staff with experience in microbiology, biochemistry, chemistry, environmental and chemical engineering, etc., interested in the evaluation of antibiotic resistance.

Funding programme: NEREUS COST ACTION ES1403

Provable tasks: An intensive three-day course focused on the state of the art in molecular and crop-based methods for the detection and quantification of antibiotic-resistant bacteria and antibiotic resistance genes (ARB and ARG) in wastewater and soil samples.

Aims of the stay: Doctorate

40 Title of course/seminar: Gestió Residuos Especiales

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: IDAEA-CSIC Barcelona

Duration in hours: 2 hours

Start-End date: 03/03/2016 - 03/03/2016

Length: 1 day

41 Title of course/seminar: "Efectes en salut associats als subproductes de la desinfecció de l'aigua" Dr. Cristina Villanueva

Goals of the course/seminar: Environmental Chemistry Seminars

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA

Duration in hours: 2 hours

Start-End date: 30/11/2015 - 30/11/2015

Length: 1 day

42 Title of course/seminar: Rapid screening of aquatic organic pollution and toxicity using bioassays and biosensors

Goals of the course/seminar: Short course

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: GLOBAQUA Project

Duration in hours: 12 hours

Start-End date: 26/11/2015 - 27/11/2015

Length: 2 days

Funding programme: FP7 project GLOBAQUA (Grant agreement no. 603629)

Aims of the stay: Doctorate

43 Title of course/seminar: 1st Meeting of Young Researchers from the IDAEA-CSIC

City organizing entity: Barcelona, Catalonia, Spain

Organising entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA

Type of entity: State agency

Duration in hours: 8 hours

Start-End date: 22/10/2015 - 22/10/2015

Length: 1 day

44 Title of course/seminar: 4FUN Project - Merlin EXPO Course "The Future of Environmental and Human Health Exposure Modelling of Chemicals"

Goals of the course/seminar: Summer school

City organizing entity: Cremona, Lombardia, Italy

Organising entity: Cremona Executive Education Program (CEEP)

Type of entity: University

Faculty, institute or centre: Universita Cattolica del Sacro Cuore - Piacenza

Duration in hours: 35 hours

Start-End date: 29/06/2015 - 03/07/2015

Length: 6 days

Funding programme: Project 4FUN EU 7th Framework Programme (grant agreement No 308440)

Aims of the stay: Doctorate



- 45** **Title of course/seminar:** SETAC Europe 2015, 25th Annual Meeting of the Society of Environmental Toxicology and Chemistry
Goals of the course/seminar: Conference
City organizing entity: Barcelona, Catalonia, Spain
Organising entity: Society of Environmental Toxicology and Chemistry
Duration in hours: 40 hours
Start-End date: 03/05/2015 - 07/05/2015 **Length:** 5 days
Aims of the stay: Doctorate
- 46** **Title of course/seminar:** Recupero di risorse (materia ed energia) negli impianti di depurazione
Goals of the course/seminar: Conference
City organizing entity: Rimini, Emilia-Romagna, Italy
Organising entity: ECOMONDO
Duration in hours: 2 hours
Start-End date: 05/11/2014 - 05/11/2014 **Length:** 1 day
Aims of the stay: Doctorate
- 47** **Title of course/seminar:** Il riutilizzo di acque reflue urbane e agro-industriali: una risorsa per l'agricoltura pugliese
Goals of the course/seminar: Conference
City organizing entity: Valenzano (Bari), Puglia, Italy
Organising entity: CIHEAM-IAM Bari **Type of entity:** R&D Centre
Duration in hours: 6 hours
Start-End date: 30/06/2014 - 30/06/2014 **Length:** 1 day
- 48** **Title of course/seminar:** Corso di Alta Formazione in Esperto in Trattamenti delle acque reflue finalizzati al loro riutilizzo in agricoltura (especialista en tratamiento de aguas residuales y su uso en la agricultura)
Goals of the course/seminar: Specialist in wastewater treatment and its use in agriculture
City organizing entity: Bari, Puglia, Italy
Organising entity: Università degli Studi di Bari ALDO MORO (ITALY) **Type of entity:** University
Faculty, institute or centre: Facultad de Agronomía
Duration in hours: 1500 hours
Start-End date: 05/12/2012 - 28/02/2014 **Length:** 1 year
Target group profile: The proposed project aims to train young researchers for industrial research activities with the following powers: design and maintenance of water networks; urban wastewater treatment; reuse of urban wastewater irrigation. The specific skills that will be provided include: the operation and maintenance of the main regulating bodies of irrigation water networks, measuring instruments, automation and control equipment; the analysis and evaluation of water quality (chemical, physical and biological characteristics); knowledge of the technologies for the purification and refining of wastewater destined for reuse, of the methods and plants for the distribution of wastewater, of the agronomic technique of irrigation of arable and arboreal crops for food and non-food use.
Provable tasks: The objective of the course is to study and test innovative strategies to increase the reuse of irrigation of municipal and purified agroindustrial wastewater. In fact, the management of reuse is extremely complex, considering also the health and hygiene risks involved, and therefore requires specialized skills in the design, construction and management of water networks responsible for transporting water at sites of use, treatment technologies, and disinfection, monitoring of quality parameters (chemical, physical and microbiological), of their agronomic management.
- 49** **Title of course/seminar:** Microinquinanti emergenti (MIE) nelle acque di rifiuto urbane: esperienze italiane e svizzere alla luce della direttiva 2013/39/UE
Goals of the course/seminar: Conference
City organizing entity: Milano, Lombardia, Italy
Organising entity: Politecnico di Milano **Type of entity:** University



Duration in hours: 6 hours

Start-End date: 21/02/2014 - 21/02/2014

Length: 1 day

Aims of the stay: Doctorate

- 50** **Title of course/seminar:** European Federation of Biotechnology Suschem Italy - Fondazione Sviluppo Sostenibile
Goals of the course/seminar: Conference
City organizing entity: Rimini, Emilia-Romagna, Italy
Organising entity: ECOMONDO 2013
Duration in hours: 2 hours
Start-End date: 07/11/2013 - 07/11/2013 **Length:** 1 day
- 51** **Title of course/seminar:** Le competenze del medico veterinario in apicoltura. Dipartimento di Medicina Veterinaria
Goals of the course/seminar: curso de actualización profesional
City organizing entity: Valenzano (Bari), Puglia, Italy
Organising entity: Dipartimento di Medicina Veterinaria **Type of entity:** University
Duration in hours: 16 hours
Start-End date: 07/06/2013 - 08/06/2013 **Length:** 2 days
- 52** **Title of course/seminar:** Il ruolo e le competenze del veterinario in apicoltura
Goals of the course/seminar: curso de actualización profesional
City organizing entity: Nuoro, Sardegna, Italy
Organising entity: Ordine dei Medici Veterinari – Nuoro **Type of entity:** Associations and Groups (Italy)
Duration in hours: 16 hours
Start-End date: 23/05/2013 - 24/05/2013 **Length:** 2 days
- 53** **Title of course/seminar:** Theory and Practical Course for the management of the calibration activities for measuring instruments (temperature and weight)
City organizing entity: Avellino, Campania, Italy
Organising entity: Innovatio srl, Avellino (Italy)
Duration in hours: 22 hours
Start-End date: 11/01/2013 - 13/01/2013 **Length:** 3 days
- 54** **Title of course/seminar:** Corso di Perfezionamento in Biologia della Nutrizione (Curso de especialidad en Biología de la Nutrición)
Goals of the course/seminar: Nutrition specialist
City organizing entity: Bari, Puglia, Italy
Organising entity: Università degli Studi di Bari ALDO MORO (ITALY) **Type of entity:** University
Faculty, institute or centre: Scienze Matematiche, Fisiche e Naturali
Duration in hours: 400 hours
Start-End date: 05/02/2010 - 02/07/2010 **Length:** 5 months - 2 days
Target group profile: The course is mainly aimed at biologists, doctors and dietitians who are well positioned as professionals capable of formulating personal and collective diets and to initiate food education programs, but also for graduates in education, psychological, sports, pharmacological, veterinary or production agrifood, which may be affected by problems related to the correct nutrition or quality of food.
Provable tasks: The aim of the course was to acquire or deepen knowledge of information, techniques and methods in the nutritional field, with the aim of acquiring the appropriate skills for the adequate evaluation of nutritional and energy needs; the elaboration of diets or feeding plans even under established pathophysiological conditions; determine the optimal diets for communities or sports groups, etc. management of nutrition training programs in the autonomy school.

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Spanish	C1	C1	C1	C1	C1
English	C1	C1	C1	C1	C1
Italian	C2	C2	C2	C2	C2

Teaching experience

General teaching experience

- 1 Name of the course:** Contaminants orgànics en ecosistemes aquàtics i el seu risc ambiental (250674)
University degree: Master Universitari en Enginyeria Ambiental
Start date: 28/09/2022 **End date:** 18/01/2023
Entity: Departament Enginyeria Química (UPC) **Type of entity:** University Department
Faculty, institute or centre: Universidad Politécnica de Barcelona
- 2 Name of the course:** Contaminants orgànics en ecosistemes aquàtics i el seu risc ambiental (250674)
University degree: Master Universitari en Enginyeria Ambiental
Start date: 29/09/2021 **End date:** 12/01/2022
Entity: Departament Enginyeria Química (UPC) **Type of entity:** University Department
Faculty, institute or centre: Universidad Politécnica de Barcelona
- 3 Name of the course:** Contaminants orgànics en ecosistemes aquàtics i el seu risc ambiental (250674)
University degree: Master Universitari en Enginyeria Ambiental
Start date: 30/09/2020 **End date:** 13/01/2021
Entity: Departament Enginyeria Química (UPC) **Type of entity:** University Department
Faculty, institute or centre: Universidad Politécnica de Barcelona

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Biota and human exposure
Type of project: Doctoral thesis
Co-director of thesis: Nicola Montemurro; Sandra Pérez
Entity: IDAEA-CSIC/Universidad de barcelona
City of entity: Barcelona, Catalonia, Spain
Student: Julen Segura Abarrategui
Obtained qualification: PhD thesis
Date of reading: 2027
- 2 Project title:** Aplicación de HRMS para la determinación de la presencia de compuesto orgánicos de alta y media polaridad y sus metabolitos en peces y ríos intermitentes
Type of project: Doctoral thesis
Co-director of thesis: Nicola Montemurro; Sandra Pérez
Entity: IDAEA-CSIC/Universidad de Barcelona



City of entity: Barcelona, Catalonia, Spain
Student: Diana Manjarrés López
Obtained qualification: PhD thesis
Date of reading: 2024

- 3** **Project title:** Evaluación de la degradación y transformación de fármacos en el medioambiente
Type of project: Doctoral thesis
Co-director of thesis: Nicola Montemurro; Sandra Pérez
Entity: IDAEA-CSIC/Universidad de barcelona
City of entity: Barcelona, Catalonia, Spain
Student: Olga Gomez Navarro
Obtained qualification: PhD thesis
Date of reading: 2024
- 4** **Project title:** Assessment of mechanisms of behavioral toxicity of tire rubber-derived chemicals using zebrafish as model species
Type of project: Minor thesis
Co-director of thesis: Nicola Montemurro; Melissa Faria
Entity: Universidad de barcelona/IDAEA-CSIC
City of entity: Barcelona, Catalonia, Spain
Student: Núria Alvarez Vigatà
Obtained qualification: Master's thesis
Date of reading: 07/2023
- 5** **Project title:** Evaluation of the presence of pharmaceuticals compounds and antibiotic resistance genes in reclaimed water for a sustainable agricultural reuse
Type of project: Minor thesis
Co-director of thesis: Nicola Montemurro; Maria Vila Costa
Entity: Becas de Introducción a la Investigación "JAE Intro ICU" CONVOCATORIA 2021
City of entity: Barcelona, Catalonia, Spain
Student: Giovanna Fiorito Franco Pires
Obtained qualification: Master's thesis
Date of reading: 07/2023
- 6** **Project title:** DETERMINACIÓN DE COMPUESTOS FARMACÉUTICOS EN PECES DE CONSUMO
Type of project: Minor thesis
Co-director of thesis: Sandra Pérez; Nicola Montemurro
Entity: Universidad de barcelona Máster Seguridad Alimentaria/IDAEA-CSIC
City of entity: Barcelona, Catalonia, Spain
Student: Karol Alvarado
Obtained qualification: Master's thesis
Date of reading: 09/2022
- 7** **Project title:** Presència de contaminants emergents en espècies invasores del Parc Natural de l'Albufera
Type of project: End of course project
Co-director of thesis: Sandra Pérez; Nicola Montemurro
Entity: Universitat de Girona/IDAEA-CSIC
City of entity: Barcelona, Catalonia, Spain
Student: Esteban Usuriaga Aragonés
Date of reading: 06/2022



- 8** **Project title:** Análisis de compuestos orgánicos (fármacos) en muestras ambientales a través de cromatografía líquida de alta presión acoplada a espectrometría de masas de alta resolución
Type of project: Minor thesis
Co-director of thesis: Sandra Pérez; Nicola Montemurro
Entity: Universitat Rovira i Virgili/IDAEA-CSIC
City of entity: Barcelona, Catalonia, Spain
Student: Esteban Restrepo Montes
Obtained qualification: Master's thesis
Date of reading: 07/2021
- 9** **Project title:** Evaluation of pharmaceuticals in fish organs and tissues by LC-HRMS/MS Q-Exactive Orbitrap
Type of project: Minor thesis
Co-director of thesis: Sandra Pérez; Nicola Montemurro
Entity: Universidad de barcelona/IDAEA-CSIC
City of entity: Barcelona, Catalonia, Spain
Student: Sandra Callejas Martos
Obtained qualification: Master's thesis
Date of reading: 07/2021
- 10** **Project title:** Determinación de la adsorción y el metabolismo de fármacos en rábanos irrigados con LC-HRMS
Type of project: Minor thesis
Co-director of thesis: Sandra Pérez; Nicola Montemurro
Entity: Universidad de barcelona/IDAEA-CSIC
City of entity: Barcelona, Catalonia, Spain
Student: Francesc Labad Roig
Obtained qualification: Master's thesis
Date of reading: 15/07/2020
- 11** **Project title:** Determining the fate of pharmaceutical active compounds in greenhouse lettuce (*Lactuca sativa*) irrigated with reclaimed waste water
Type of project: Minor thesis
Co-director of thesis: Sandra Pérez; Nicola Montemurro
Entity: Faculty of Pharmacy and Alimentary Sciences (UB)/IDAEA-CSIC
City of entity: Barcelona, Catalonia, Spain
Student: Albert Rubio Rubio
Obtained qualification: Master's thesis in Molecular Biotechnology
Date of reading: 09/07/2019
- 12** **Project title:** LA NUTRICIÓN DE LAS PLANTAS
Type of project: End of course project
Co-director of thesis: Sandra Pérez; Nicola Montemurro
Entity: Pureza de María Sant Cugat del Vallès **Type of entity:** College
Departamento de Biología
City of entity: Sant Cugat, Catalonia, Spain
Student: Ruth Marín Sotil
Obtained qualification: Bachillerato A
Date of reading: 14/12/2018
- 13** **Project title:** USO DE LA CROMATOGRAFÍA LÍQUIDA ACOPLADA A LA ESPECTROMETRÍA DE MASAS DE ALTA RESOLUCIÓN PARA LA DETERMINACIÓN DE LA DISTRIBUCIÓN Y METABOLISMO DE FÁRMACOS EN LECHUGAS CULTIVADAS EN INVERNADERO



Type of project: Minor thesis
Co-director of thesis: Sandra Pérez; Nicola Montemurro
Entity: Universitat de Barcelona/IDAEA-CSIC
City of entity: Barcelona, Catalonia, Spain
Student: Adriana Juan Polo
Obtained qualification: Master's thesis
Date of reading: 19/06/2018

Other activities/achievements not included above

- 1** **Description of the activity:** 1st TwiNSol-CECs Summer School on analytical methodologies for determination of CECs in the environment
Organising entity: University of Novi Sad, Faculty of Technology Novi Sad (TFNS)
End date: 07/07/2023
- 2** **Description of the activity:** Supervisor of postdoctoral researcher (Margarita Salas) at IDAEA-CSIC: Nuria Lopez Vinent, Feb. 2022
End date: 2023
- 3** **Description of the activity:** Supervisor of student at IDAEA-CSIC: Francesc Labad Roig, PhD student, Sep 2020
End date: 2023
- 4** **Description of the activity:** Supervisor of postdoctoral researcher at IDAEA-CSIC: Sofia Semitsoglou (ICRA), Apr. 2022
Organising entity: Catalan Water Research (ICRA)
End date: 07/2022
- 5** **Description of the activity:** Training of visiting student at IDAEA-CSIC: Angelos Kolosionis, MSc student, Feb 2021-May 2021
Organising entity: Erasmus Programme (EU) **Type of entity:** Public Research Body
End date: 01/05/2021
- 6** **Description of the activity:** Training of visiting student at IDAEA-CSIC: Joel Joedicke, BSc student, Oct 2019-Jan 2020
End date: 31/01/2020
- 7** **Description of the activity:** Training of visiting student at IDAEA-CSIC: Rayana El Manasfi, PhD student, Oct 2018-Jan 2020
End date: 30/01/2020
- 8** **Description of the activity:** Training of visiting student at IDAEA-CSIC: Yvonne Bigott, PhD student, Oct 2018-Aug 2019
End date: 30/08/2019
- 9** **Description of the activity:** Training of visiting student at IDAEA-CSIC: Anastasya Orfanoti, MSc student, Jan 2019-Jun 2019
Organising entity: Erasmus Programme (EU) **Type of entity:** Public Research Body
End date: 28/06/2019



- 10 Description of the activity:** Training of visiting student at IDAEA-CSIC: Sibora Berisha, BSc student, Jan 2019-Jun 2019
Organising entity: Erasmus Programme (EU) **Type of entity:** Public Research Body
End date: 28/06/2019
- 11 Description of the activity:** Training of visiting student at IDAEA-CSIC: Clara Colls Companyà, Practicas de Grado, 6 Months, Jan 2019-Jun 2019
End date: 28/06/2019
- 12 Description of the activity:** Training of visiting student at IDAEA-CSIC: Manuel Garcia-Vara, PhD student, Oct 2017-Dec 2018
End date: 28/12/2018
- 13 Description of the activity:** Training of visiting student at IDAEA-CSIC: Judih Casals Blanch, Practicas de Grado, 6 Months, 2018
End date: 27/07/2018

Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1 Name of the project:** The European Partnership for the Assessment of Risks from Chemicals (PARC)
Identify key words: Exposure assessment; Environmental monitoring; Anthropogenic impact on ecosystems; Fresh water ecosystems
Entity where project took place: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Joan Grimalt
Funding entity or bodies: Ministerio de Ciencia, Innovacion y Universidades **Type of entity:** State agency
Start-End date: 01/05/2022 - 30/04/2029 **Duration:** 7 years
Total amount: 400.000.000 €
Applicant's contribution: the PARC Program. This project is funded by the EC and has a period of execution of seven years (start May 2022). It is participated by 200 partners from 28 countries, as well as three EU agencies (the European Environment Agency – EEA, the European Chemicals Agency – ECHA and the European Food Safety Authority – EFSA). The Spanish coordination was assigned to the Geochemistry and Pollution group and the Instituto Carlos III. My role consisted in providing information on the health outcomes needed for comparison of the analyses in fish and human samples.
- 2 Name of the project:** AYUDAS RAMÓN Y CAJAL 2021 (RYC2021-031725-I) Programa Estatal para Desarrollar, Atraer y Retener Talento - Plan Estatal de Investigación Científica y Técnica y de Innovación 2021-2023
Identify key words: Exposure assessment; Environmental monitoring; Anthropogenic impact on ecosystems; Fresh water ecosystems
Type of entity: State agency



Entity where project took place: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Nicola Montemurro

Nº of researchers: 1

Funding entity or bodies:

Ministerio de Ciencia, Innovacion y Universidades

Type of entity: State agency

Start-End date: 01/01/2023 - 31/12/2027

Duration: 5 years

Total amount: 305.777,56 €

3 Name of the project: TWINNING FOR ENHANCING THE SCIENTIFIC EXCELLENCE OF FACULTY OF TECHNOLOGY NOVI SAD FOR INNOVATIVE SOLUTIONS TO PROTECT ENVIRONMENTAL RESOURCES FROM CONTAMINANTS OF EMERGING CONCERN

Identify key words: Exposure assessment; Environmental monitoring; Anthropogenic impact on ecosystems; Fresh water ecosystems

Type of project: Research and development, including transfer

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA

Type of entity: State agency

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Marinella Farrè; Llorca; Perez

Funding entity or bodies:

HORIZON-CSA

Type of participation: Team member

Name of the programme: HORIZON-WIDERA-2021-ACCESS-02

Code according to the funding entity: 101059867

Start-End date: 01/08/2022 - 31/07/2025

Duration: 3 years

Total amount: 1.432.938 €

Applicant's contribution: TwiNSol-CECs has main goal to close networking and research gaps by improving research and developing collaborations between partner institutions. Faculty of Technology Novi Sad (FoTNS) has set the fundamental goal of achieving European and world standards in the field of CECs. Therefore, TwiNSol-CECs will enable FoTNS to be more incorporated and recognized in the field of CECs. The implementation of TwiNSol-CECs will be a positive sign for other leading institutions in EU to establish cooperation and collaborate more closely with FoTNS. Nicola Montemurro has contributed to short-term staff exchanges for knowledge transfer, joint research, evaluation and/or presentation of results and preparation of the summer school for PhD students and early-stage researchers, of which he is also a lecturer.

4 Name of the project: Herramientas y tecnologías inteligentes para la evaluación del destino ambiental y el riesgo de los contaminantes en un nuevo escenario de cambio climático (CICLIC)

Entity where project took place: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA

Type of entity: State agency

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Sandra Pérez

Nº of researchers: 6

Funding entity or bodies:

Ministerio de Ciencia, Innovacion y Universidades

Type of entity: State agency

Start-End date: 01/01/2019 - 30/09/2023

Total amount: 162.140 €



- 5** **Name of the project:** Quality and management of intermittent rivers and associated groundwaters in the Mediterranean basins (INWAT)
Entity where project took place: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Sandra Pérez
Nº of researchers: 8
Funding entity or bodies: EU-MINECO PRIMA call 2018
Start-End date: 01/01/2019 - 30/09/2022
Total amount: 300.000 €
- 6** **Name of the project:** Tools and criteria for URBAN groundWATER management (URBANWAT)
Entity where project took place: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Carlos Ayora Ibañez; Sandra Pérez
Nº of researchers: 8
Funding entity or bodies: EU-MINECO WaterWorks2017 Call 2018 (JPI)
Start-End date: 01/01/2019 - 30/09/2022
- 7** **Name of the project:** Environmental risk of complex mixtures of emerging persistent and mobile chemicals in aquatic ecosystems (MixPersiRisk)
Identify key words: Exposure assessment; Environmental monitoring; Anthropogenic impact on ecosystems; Fresh water ecosystems
Entity where project took place: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Nicola Montemurro; Demetrio Raldua Pérez
Nº of researchers: 2
Funding entity or bodies: Ministerio de Ciencia, Innovacion y Universidades **Type of entity:** State agency
Start-End date: 01/01/2021 - 30/06/2022 **Duration:** 18 months
Total amount: 30.000 €
- 8** **Name of the project:** Assessing the fate of pesticides and wastewater-borne contaminants in agricultural crops and their environmental risks (AWARE)
Entity where project took place: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Damià Barceló; Sandra Pérez
Nº of researchers: 5
Funding entity or bodies: EU-MINECO WaterWorks2015 Call 2016 (JPI)
Start-End date: 01/10/2017 - 30/09/2020



Total amount: 227.770 €

9 Name of the project: MANAGING THE EFFECTS OF MULTIPLE STRESSORS ON AQUATIC ECOSYSTEMS UNDER WATER SCARCITY (GLOBAQUA) (FP7-ENV-2014)

Entity where project took place: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Damiá Barcelò

N° of researchers: 55

Start-End date: 01/02/2014 - 31/01/2019

Total amount: 899.177 €

10 Name of the project: Innovazioni tecnologiche e di processo per il riutilizzo irriguo delle acque reflue urbane e agro-industriali ai fini della gestione sostenibile delle risorse idriche.(IN.TE.R.R.A.)

Entity where project took place: Università degli Studi di Bari ALDO MORO

City of entity: Bari, Puglia, Italy

N° of researchers: 14

Funding entity or bodies:

PON Ricerca e Competitività 2007-2013

Type of entity: State agency

City funding entity: Rome, Lazio, Italy

Start-End date: 01/10/2011 - 30/09/2015

Total amount: 681.000 €

R&D non-competitive contracts, agreements or projects with public or private entities

1 Name of the project: Analysis of organic contaminants in wastewater samples. Life Clean Up (Life16 ENV/ES000169) CNR

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Montemurro; Perez

Funding entity or bodies:

CONSIGLIO NAZIONALE DELLE RICERCHE, Italy **Type of entity:** Public Research Body

City funding entity: Bari, Puglia, Italy

Start date: 14/06/2022

Duration: 2 months

Total amount: 2.000 €

2 Name of the project: Analysis of organic contaminants in wastewater samples. Life Clean Up (Life16 ENV/ES000169) UNIBA

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Montemurro; Perez

Funding entity or bodies:

University of Bari, Italy

City funding entity: Bari, Puglia, Italy

Start date: 14/06/2022

Duration: 2 months

Total amount: 2.600 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1 Antonio Lonigro; nicola Montemurro; Maria Grazia Lionetto; Trifone Schettino. Aspetti sulla salute. Linee guida per il riuso irriguo delle acque reflue depurate. 3, pp. 73 - 104. Bari, Puglia(Italy): Edizioni di Pagina, 2015. ISBN 978-88-7470-405-7
DOI: 10.1400/231447
Type of production: Book chapter **Format:** Book
Position of signature: 2 **Degree of contribution:** Author or co-author of chapter in book
Total no. authors: 4
Relevant publication: Yes
- 2 Diana P Manjarrés-López; Juan-Manuel Peña Herrera; Luis Benejam; Nicola Montemurro; Sandra Pérez. Assessment of wastewater-borne pharmaceuticals in tissues and body fluids from riverine fish. Environmental Pollution. 324 - 121374, 2023.
DOI: 10.1016/j.envpol.2023.121374
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 3 Olga Gómez-Navarro; Francesc Labad; Diana P Manjarrés-López; Sandra Pérez; Nicola Montemurro. HRMS-Targeted-DIA methodology for quantification of wastewater-borne pollutants in surface water. MethodsX. 10, 2023. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149203026&doi=10.1016%2fj.mex.2023.102093&partnerID=40&md5=163af9dec18bad483a177d520f5e5add>>
DOI: 10.1016/j.mex.2023.102093
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 4 M. Vila-Costa; A. Martinez-Varela; D. Rivas; P. Martinez; C. Pérez-López; B. Zonja; N. Montemurro; R. Tauler; D. Barceló; A. Ginebreda. Advanced analytical, chemometric, and genomic tools to identify polymer degradation products and potential microbial consumers in wastewater environments. Chemical Engineering Journal. 442, 2022. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127688475&doi=10.1016%2fj.cej.2022.136175&partnerID=40&md5=ec5c6b217319d23e5c2fd61752760a37>>.
Type of production: Scientific paper **Format:** Journal
- 5 D.P. Manjarrés; N. Montemurro; S. Pérez. Development of a USE/d-SPE and targeted DIA-Orbitrap-MS acquisition methodology for the analysis of wastewater-derived organic pollutants in fish tissues and body fluids. MethodsX. 9, 2022. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129122831&doi=10.1016%2fj.mex.2022.101705&partnerID=40&md5=c816957e1904f94c318fef8878c30bb0>>.
Type of production: Scientific paper **Format:** Journal
- 6 Melissa Faria; Marina Bellot; Oscar Soto; Eva Prats; Nicola Montemurro; Diana Manjarrés; Cristian Gómez-Canela; Demetrio Raldúa. Developmental exposure to sertraline impaired zebrafish behavioral and neurochemical profiles. Frontiers in Physiology. 13 - 1040598, 2022. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143362842&doi=10.3389%2ffphys.2022.1040598&partnerID=40&md5=31c0897618d1062285f1560700f09b2d>>

DOI: 10.3389/fphys.2022.1040598

Type of production: Scientific paper

Format: Journal

Corresponding author: No

7

Yvonne Bigott; Sara Gallego; Nicola Montemurro; Marie-Christine Breuil; Sandra Pérez; Antonios Michas; Fabrice Martin-Laurent; Peter Schröder. Fate and impact of wastewater-borne micropollutants in lettuce and the root-associated bacteria. *Science of the Total Environment*. 831, 2022. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127358028&doi=10.1016%2fj.scitotenv.2022.154674&partnerID=40&md5=e3bdee483d54421c0c51c46119ec0>>

Type of production: Scientific paper

Format: Journal

8

Enelton Fagnani; Nicola Montemurro; Sandra Pérez. Multilayered solid phase extraction and ultra performance liquid chromatographic method for suspect screening of halogenated pharmaceuticals and photo-transformation products in freshwater - comparison between data-dependent and data-independent acquisition mass spectrometry. *Journal of Chromatography A*. 1663, 2022. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121968883&doi=10.1016%2fj.chroma.2021.462760&partnerID=40&md5=72293a50c86d99a433364fcb56ad1e>>

Type of production: Scientific paper

Format: Journal

9

Cristina Avila; María Jesús García Galán; Erica Uggetti; Nicola Montemurro; Manuel García Vara; Sandra Perez; Joan Garcia; Cristina Postigo. Boosting pharmaceutical removal through aeration in constructed wetlands. *Journal of Hazardous Materials*. 412 - 125231, 2021.

Type of production: Scientific paper

10

N. Montemurro; J. Joedicke; S. Pérez. Development and application of a QuEChERS method with liquid chromatography-quadrupole time of flight-mass spectrometry for the determination of 50 wastewater-borne pollutants in earthworms exposed through treated wastewater. *Chemosphere*. 263, Elsevier Ltd, 2021. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090753425&doi=10.1016%2fj.chemosphere.2020.128222&partnerID=40&md5=a368858cd285175898611a5a>> ISSN 00456535

Type of production: Scientific paper

Format: Journal

11

Sara Gallego; David Nos; Nicola Montemurro; Juan Carlos Sanchez Hernandez; Sandra Perez; Montserrat Solè; Fabrice Martin-Laurent. Ecotoxicological impact of the antihypertensive valsartan on earthworms, extracellular enzymes and soil bacterial communities. *Environmental Pollution*. 275 - 116647, Elsevier, 2021.

Type of production: Scientific paper

12

Sara Gallego; David Nos Francisco; Nicola Montemurro; Juan Carlos Sanchez Hernandez; Sandra Perez; Montserrat Solè; Fabrice Martin-Laurent. Ecotoxicological impact of the antihypertensive valsartan on earthworms, extracellular enzymes and soil bacterial communities ENVPOL-S-20-04401. *Environmental Pollution*. 275 - 116647, Elsevier, 2021.

DOI: 10.1016/j.envpol.2021.116647

Type of production: Scientific paper

Format: Journal

Corresponding author: No

13

Sara Gallego; Nicola Montemurro; Jérémie Béguet; Nadine Rouard; Laurent Philippot; Sandra Pérez; Fabrice Martin-Laurent. Ecotoxicological risk assessment of wastewater irrigation on soil microorganisms: Fate and impact of wastewater-borne micropollutants in lettuce-soil system. *Ecotoxicology and Environmental Safety*. 223, 2021. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112257374&doi=10.1016%2fj.ecoenv.2021.112595&partnerID=40&md5=c86222269034a16c3616dfdbcb7013e>>

Type of production: Scientific paper

Format: Journal

14

Y. Bigott; S.P. Chowdhury; S. Pérez; N. Montemurro; R. Manasfi; P. Schröder. Effect of the pharmaceuticals diclofenac and lamotrigine on stress responses and stress gene expression in lettuce (*Lactuca sativa*) at environmentally relevant concentrations. *Journal of Hazardous Materials*. 403, Elsevier B.V., 2021. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091376803&doi=10.1016%2fj.jhazmat.2020.123881&partnerID=40&md5=6bf5ab79facdbe23f2c480ccd1c0be7>> ISSN 03043894

Type of production: Scientific paper**Format:** Journal

15

J. Llado; C. Lao-Luque; M. Sole-Sardans; N. Montemurro; S. Perez; E. Fuente; B. Ruiz. Elimination of persistent anthropogenic pollutants by micro-mesoporous carbon xerogels. Natural organic matter on surface water and textural properties influences. *Journal of Environmental Chemical Engineering*. 9 - 1, Elsevier Ltd, 2021. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097652113&doi=10.1016%2fj.jece.2020.104885&partnerID=40&md5=c90ae150434a4e68a247b68df48474f8>> ISSN 22133437

DOI: <https://doi.org/10.1016/j.jece.2020.104885>**Type of production:** Scientific paper**Format:** Journal

16

R. Manasfi; M. Brienza; N. Ait-Mouheb; N. Montemurro; S. Perez; S. Chiron. Impact of long-term irrigation with municipal reclaimed wastewater on the uptake and degradation of organic contaminants in lettuce and leek. *Science of the Total Environment*. Elsevier B.V., 2021. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093106376&doi=10.1016%2fj.scitotenv.2020.142742&partnerID=40&md5=60090bc84d556e51d4d1608f2397b>> ISSN 00489697

Type of production: Scientific paper**Format:** Journal

17

Manuel Jesús Gallardo Altamirano; Paula Maza Márquez; Nicola Montemurro; Sandra Perez; Belen Rodelas; Francisco Osorio; Clementina Pozo. Insights into the removal of pharmaceutically active compounds from sewage sludge by two-stage mesophilic anaerobic digestion STOTEN-D-20-26387. *Science of the Total Environment*. 789 - 147869, Elsevier, 2021.

DOI: [10.1016/j.scitotenv.2021.147869](https://doi.org/10.1016/j.scitotenv.2021.147869)**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No

18

T. Gómez-Morte; V.M. Gómez-López; C. Lucas-Abellán; I. Martínez-Alcalá; M. Ayuso; S. Martínez-López; N. Montemurro; S. Pérez; D. Barceló; P. Fini; P. Cosma; J.P. Cerón-Carrasco; M.I. Fortea; E. Núñez-Delicado; J.A. Gabaldón. Removal and toxicity evaluation of a diverse group of drugs from water by a cyclodextrin polymer/pulsed light system. *Journal of Hazardous Materials*. 402, Elsevier B.V., 2021. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088369031&doi=10.1016%2fj.jhazmat.2020.123504&partnerID=40&md5=ef19a52dc3ef8ae1c2cdfdc8f9de212f>> ISSN 03043894

Type of production: Scientific paper**Format:** Journal

19

Laia Sabater Liesa; N. Montemurro; Antoni Ginebreda; Damià Barcelò; Peter Eichhorn; S. Pérez. Retrospective mass spectrometric analysis of wastewater-fed mesocosms to assess the degradation of drugs and their human metabolites. *Journal of Hazardous Materials*. 408 - 124984, Elsevier B.V., 2021. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091376803&doi=10.1016%2fj.jhazmat.2020.123881&partnerID=40&md5=6bf5ab79facdbe23f2c480ccd1c0be7>> ISSN 03043894

Type of production: Scientific paper**Format:** Journal**Corresponding author:** Yes

20

J.M. Peña-Herrera; N. Montemurro; D. Barceló; S. Pérez. Analysis of pharmaceuticals in fish using ultrasound extraction and dispersive SPE clean-up on que Z-Sep/C18 followed by LC-QToF-MS detection. *MethodsX*. 7, Elsevier B.V., 2020. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2->

s2.0-85089099579&doi=10.1016%2fj.mex.2020.101010&partnerID=40&md5=464b915f217241c10e98f55cc570b8a2>
ISSN 22150161

Type of production: Scientific paper

Format: Journal

- 21** R. Manasfi; S. Chiron; N. Montemurro; S. Perez; M. Brienza. Biodegradation of fluoroquinolone antibiotics and the climbazole fungicide by *Trichoderma* species. *Environmental Science and Pollution Research*. 27 - 18, pp. 23331 - 23341. Springer, 2020. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084123058&doi=10.1007%2fs11356-020-08442-8&partnerID=40&md5=9b5ab225b9d3c546ede37b83c134cfa5>>
ISSN 09441344

Type of production: Scientific paper

Format: Journal

- 22** J.M. Peña-Herrera; N. Montemurro; D. Barceló; S. Pérez. Combining quantitative and qualitative approaches using Sequential Window Acquisition of All Theoretical Fragment-Ion methodology for the detection of pharmaceuticals and related compounds in river fish extracted using a sample miniaturized method. *Journal of Chromatography A*. 1620, Elsevier B.V., 2020. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081906067&doi=10.1016%2fj.chroma.2020.461009&partnerID=40&md5=033aae7170b779449fa546b0dfc7b54>>
ISSN 00219673

Type of production: Scientific paper

Format: Journal

- 23** N. Montemurro; A. Orfanoti; R. Manasfi; N.S. Thomaidis; S. Pérez. Comparison of high resolution mrm and sequential window acquisition of all theoretical fragment-ion acquisition modes for the quantitation of 48 wastewater-borne pollutants in lettuce. *Journal of Chromatography A*. 1631, Elsevier B.V., 2020. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090711802&doi=10.1016%2fj.chroma.2020.461566&partnerID=40&md5=35ae71dead436182ca41e133f24228>>
ISSN 00219673

Type of production: Scientific paper

Format: Journal

- 24** S. Dallarés; P. Dourado; I. Sanahuja; M. Solovyev; E. Gisbert; N. Montemurro; A. Torreblanca; M. Blázquez; M. Solé. Multibiomarker approach to fipronil exposure in the fish *Dicentrarchus labrax* under two temperature regimes. *Aquatic Toxicology*. 219, Elsevier B.V., 2020. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076240909&doi=10.1016%2fj.aquatox.2019.105378&partnerID=40&md5=bcbbff92c775978f610bfe8b960e874>>
ISSN 0166445X

Type of production: Scientific paper

Format: Journal

- 25** P. Palma; S. Fialho; A. Lima; M.H. Novais; M.J. Costa; N. Montemurro; S. Pérez; M.L. de Alda. Pharmaceuticals in a Mediterranean Basin: The influence of temporal and hydrological patterns in environmental risk assessment. *Science of the Total Environment*. 709, Elsevier B.V., 2020. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076955920&doi=10.1016%2fj.scitotenv.2019.136205&partnerID=40&md5=842ae4218d8d6d73d6aa73eb947d>>
ISSN 00489697

Type of production: Scientific paper

Format: Journal

- 26** N. Montemurro; C. Postigo; S. Chirón; D. Barceló; S. Pérez. Analysis and fate of 14 relevant wastewater-derived organic pollutants in long-term exposed soil. *Analytical and Bioanalytical Chemistry*. Springer Verlag, 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064336293&doi=10.1007%2fs00216-019-01715-3&partnerID=40&md5=d5a9877a137c67877332077b0d0dccc>>
ISSN 16182642

Type of production: Scientific paper

Format: Journal

- 27** J.M. Peña-Herrera; N. Montemurro; D. Barceló; S. Pérez. Development and validation of an analytical method for determination of pharmaceuticals in fish muscle based on QuEChERS extraction and SWATH acquisition using LC-QTOF-MS/MS system. *Talanta*. 199, pp. 370 - 379. Elsevier B.V., 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2->



s2.0-85062152516&doi=10.1016%2fj.talanta.2019.01.119&partnerID=40&md5=f0d6acc08d2d56e3c58769a23abc7a9f
ISSN 00399140

Type of production: Scientific paper

Format: Journal

- 28** M.J. Gallardo-Altamirano; P. Maza-Márquez; N. Montemurro; B. Rodelas; F. Osorio; C. Pozo. Linking microbial diversity and population dynamics to the removal efficiency of pharmaceutically active compounds (PhACs) in an anaerobic/anoxic/aerobic (A2O) system. *Chemosphere*. 233, pp. 828 - 842. Elsevier Ltd, 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067309774&doi=10.1016%2fj.chemosphere.2019.06.017&partnerID=40&md5=af6ca6124e319a74eb754df508>>
ISSN 00456535

Type of production: Scientific paper

Format: Journal

- 29** I. Pérez-Coyotl; M. Galar-Martínez; S. García-Medina; L.M. Gómez-Oliván; E. Gasca- Pérez; E. Martínez-Galero; H. Islas-Flores; B.R. Pérez-Pastén; D. Barceló; M. López de Alda; S. Pérez-Solsona; M.P. Serra-Roig; N. Montemurro; J.M. Peña-Herrera; L.M. Sánchez-Aceves. Polluted water from an urban reservoir (Madín dam, México) induces toxicity and oxidative stress in *Cyprinus carpio* embryos. *Environmental Pollution*. 251, pp. 510 - 521. Elsevier Ltd, 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065841280&doi=10.1016%2fj.envpol.2019.04.095&partnerID=40&md5=9c994bed7099434e8818f3e873370c3>>
ISSN 02697491

Type of production: Scientific paper

Format: Journal

- 30** S. Dallarés; N. Montemurro; S. Pérez; N. Rodríguez-Sanchez; M. Solé. Preliminary results on the uptake and biochemical response to water-exposure of Tamiflu® (oseltamivir phosphate) in two marine bivalves. *Journal of Toxicology and Environmental Health - Part A: Current Issues*. 82 - 2, pp. 75 - 85. Taylor and Francis Inc., 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060648333&doi=10.1080%2f15287394.2018.1562393&partnerID=40&md5=bb5a74d3173e424e5470fe66fa6cf>>
ISSN 15287394

Type of production: Scientific paper

Format: Journal

- 31** L. Sabater-Liesa; N. Montemurro; C. Font; A. Ginebreda; J.D. González-Trujillo; N. Mingorance; S. Pérez; D. Barceló. The response patterns of stream biofilms to urban sewage change with exposure time and dilution. *Science of the Total Environment*. 674, pp. 401 - 411. Elsevier B.V., 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064315711&doi=10.1016%2fj.scitotenv.2019.04.178&partnerID=40&md5=3c406227455f140e2510bae490e08c>>
ISSN 00489697

Type of production: Scientific paper

Format: Journal

- 32** N. Montemurro; M. García-Vara; J.M. Peña-Herrera; J. Llada; D. Barcelá; S. Pérez. Conventional and advanced processes for the removal of pharmaceuticals and their human metabolites from wastewater. *ACS Symposium Series*. 1302, pp. 15 - 67. American Chemical Society, 2018. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056112543&doi=10.1021%2fbk-2018-1302.ch002&partnerID=40&md5=50faf6a448bb2a4f09fe6d71e6675785>>
ISSN 00976156, ISBN 9780841233676

Type of production: Scientific paper

Format: Journal

- 33** N. Montemurro; C. Postigo; A. Lonigro; S. Perez; D. Barceló. Development and validation of an analytical method based on liquid chromatography–tandem mass spectrometry detection for the simultaneous determination of 13 relevant wastewater-derived contaminants in lettuce. *Analytical and Bioanalytical Chemistry*. 409 - 23, pp. 5375 - 5387. Springer Verlag, 2017. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019164182&doi=10.1007%2fs00216-017-0363-1&partnerID=40&md5=f57741624185d91db3e3523ab42f338e>>
ISSN 16182642

Type of production: Scientific paper

Format: Journal



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A. Lonigro; N. Montemurro; G. Laera. Effects of residual disinfectant on soil and lettuce crop irrigated with chlorinated water. *Science of the Total Environment*. 584-585, pp. 595 - 602. Elsevier B.V., 2017. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028273434&doi=10.1016%2fj.scitotenv.2017.01.083&partnerID=40&md5=74f6759820760e2d9c965e630234b5>> ISSN 00489697

Type of production: Scientific paper

Format: Journal

35

N. Montemurro; G. Cucci; M.A. Mastro; G. Lacolla; A. Lonigro. The nitrogen role in vegetables irrigated with treated municipal wastewater. *Agronomy Research*. 15 - 5, pp. 2012 - 2025. Eesti Pollumajanduslikool, 2017. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034653613&doi=10.15159%2fAR.17.044&partnerID=40&md5=5cef369b766c985d8ed03e4a092952cb>>. ISSN 1406894X

Type of production: Scientific paper

Format: Journal

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A. Lonigro; P. Rubino; V. Lacasella; N. Montemurro. Faecal pollution on vegetables and soil drip irrigated with treated municipal wastewaters. *Agricultural Water Management*. 174, pp. 66 - 73. Elsevier B.V., 2016. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84957717421&doi=10.1016%2fj.agwat.2016.02.001&partnerID=40&md5=402e9256fec31f7b93d034b6e8db16fc>> ISSN 03783774

Type of production: Scientific paper

Format: Journal

37

A. Lonigro; N. Montemurro; P. Rubino; P. Vergine; A. Pollice. Reuse of treated municipal wastewater for irrigation in apulia region: The "IN.TE.R.R.A." project. *Environmental Engineering and Management Journal*. 14 - 7, pp. 1665 - 1674. Gheorghe Asachi Technical University of Iasi, Romania, 2015. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84939200083&doi=10.30638%2feemj.2015.177&partnerID=40&md5=7a6a9a8e18f4d4963e0e4d53d379f86e>>. ISSN 15829596

Type of production: Scientific paper

Format: Journal

38

E. Bonerba; E. Ceci; N. Montemurro; G. Tantillo; A. di Pinto; G.V. Celano; G. Bozzo. Rapid modified QuEChERS method for pesticides detection in honey by high-performance liquid chromatography UV-visible. *Italian Journal of Food Safety*. 3 - 2, pp. 85 - 91. Page Press Publications, 2014. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84945557114&doi=10.4081%2fijfs.2014.1647&partnerID=40&md5=ea62ab80d57b011a7d9e550b4182f7d5>>. ISSN 22397132

Type of production: Scientific paper

Format: Journal

39

Sandra and Chiron Pérez; Damián and Montemurro Serge and Barceló; Peter Nicola and Eichhorn. *Conclusions and Future Perspectives*. pp. 1 - 6. Springer Berlin Heidelberg, 2021. Available on-line at: <https://doi.org/10.1007/698_2020_655>.

Type of production: Book chapter

Format: Book

40

Rayana and Labad Manasfi; Nicola Francescand Montemurro. *Development of Methods for the Determination of PhACs in Soil/Earthworm/Crop System Irrigated with Reclaimed Water*. pp. 1 - 75. Springer Berlin Heidelberg, 2021. Available on-line at: <https://doi.org/10.1007/698_2020_650>.

Type of production: Book chapter

Format: Book

41

Nicola and Peña-Herrera Montemurro; Antoni and Eichhorn Juan Manuel and Ginebreda; Sandra Peter and Pérez. *The Journey of Human Drugs from Their Design at the Bench to Their Fate in Crops*. pp. 1 - 29. Springer Berlin Heidelberg, 2021. Available on-line at: <https://doi.org/10.1007/698_2020_643>.

Type of production: Book chapter

Format: Book

Works submitted to national or international conferences

- 1** **Title of the work:** Fertigation with UASB-CW reclaimed wastewater in a water scarce area and micropollutant uptake in lettuce plants
Name of the conference: 18th Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: No
City of event: Athens, Greece
Date of event: 07/06/2023
End date: 09/06/2023
Organising entity: Water Innovation and Circularity Conference (WICC)
City organizing entity: Athens, Greece
With external admission assessment committee: Yes
Sofia Semitsoglou Tsiapou; M. Salvoch; Nicola Montemurro; Sandra Perez Solsona; Sara Rodríguez Mozaz; Luigi Buttiglieri.
- 2** **Title of the work:** Comparison of ozone- and UV-based technologies for trace organic compounds removal from wastewater
Name of the conference: SETAC Europe 33rd Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
Corresponding author: No
City of event: dublin, Ireland
Date of event: 30/04/2023
End date: 04/05/2023
Organising entity: SETAC Europe
City organizing entity: Dublin, Ireland
With external admission assessment committee: Yes
Alberto Cruz Alcalde; Nuria Lopez Vinent; Laura Poch Gregori; Nicola Montemurro; Carme Sans; Sandra Perez Solsona.
- 3** **Title of the work:** Detection of Wastewater-Borne Contaminants in Wild Fish Tissues from by HLPC-HRMS/MS
Name of the conference: SETAC Europe 33rd Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Dublin, Ireland
Date of event: 30/04/2023
End date: 04/05/2023
Organising entity: SETAC Europe
City organizing entity: Dublin, Ireland
With external admission assessment committee: Yes
Nicola Montemurro; Maria Vila Costa; Sandra Perez Solsona; Antoni Ginebreda; Anna Jurado.



- 4** **Title of the work:** Detection of Wastewater-Borne Contaminants in Wild Fish Tissues from by HPLC-HRMS/MS
Name of the conference: SETAC Europe 33rd Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
Corresponding author: No
City of event: dublin, Ireland
Date of event: 30/04/2023
End date: 04/05/2023
Organising entity: SETAC Europe
City organizing entity: Dublin, Ireland
With external admission assessment committee: Yes
Diana Manjarres Lopez; Nicola Montemurro; Sandra Perez Solsona.
- 5** **Title of the work:** Nature-Based Solutions as a Pretreatment of Photo-Fenton at Natural pH to Enhance the Removal of Contaminants of Emerging Concern
Name of the conference: SETAC Europe 33rd Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Dublin, Ireland
Date of event: 30/04/2023
End date: 04/05/2023
Organising entity: SETAC Europe
City organizing entity: Dublin, Ireland
With external admission assessment committee: Yes
Nuria Lopez Vinent; Alberto Cruz Alcalde; Ana Piera Santacruz; Albert Sales Alba; Nicola Montemurro; Sandra Perez Solsona.
- 6** **Title of the work:** Presence and accumulation of PhACs in freshwater aquatic fauna
Name of the conference: YRW 2022 IDAEA Young Researchers' Week
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster'
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 10/11/2022
End date: 10/11/2022
Organising entity: Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Diana Manjarres; Nicola Montemurro; Sandra Perez Solsona.
- 7** **Title of the work:** DEVELOPMENT OF AN ANALYTICAL METHOD FOR vPvM IN RUNOFF WATER USING HPLC-HRMS
Name of the conference: XXI Scientific Meeting of the Spanish Society of Chromatography and Related Techniques (SECyTA2022)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: No



City of event: Cordoba, Andalusia, Spain

Date of event: 25/10/2022

End date: 27/10/2022

Organising entity: SOCIEDAD ESPAÑOLA DE CROMATOGRAFÍA Y TÉCNICAS AFINES

City organizing entity: Almeria, Andalusia, Spain

With external admission assessment committee: Yes

Francesc Labad Roig; Nicola Montemurro; Enric Vazquez Sune; Marc Teixidò; Sandra Perez Solsona.

8 Title of the work: A robust methodology for the analysis of vPvM compounds in runoff samples using HILIC and mixed-mode chromatography coupled to QToF- MS

Name of the conference: 18th Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 10/10/2022

End date: 11/10/2022

Organising entity: The Catalan Institute for Water Research (ICRA)

City organizing entity: Barcelona, Catalonia, Spain

With external admission assessment committee: Yes

Francesc Labad; Nicola Montemurro; Borrell; Teixidò; Sandra Perez Solsona.

9 Title of the work: Are nature-based solutions an efficient technology removing different classes of organic compounds?

Name of the conference: 18th Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 10/10/2022

End date: 11/10/2022

Organising entity: The Catalan Institute for Water Research (ICRA)

City organizing entity: Barcelona, Catalonia, Spain

With external admission assessment committee: Yes

Nuria Lopez Vinent; Nicola Montemurro; Alberto Cruz Alcalde; Xavier Borrell; Jordi Llado Valero; Sandra Perez Solsona.

10 Title of the work: Prioritization of pharmaceuticals in tissues and body fluids from wild fish by target and suspect screening with LC-HRMS/MS Q-Exactive Orbitrap

Name of the conference: 18th Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 10/10/2022

End date: 11/10/2022



Organising entity: The Catalan Institute for Water Research (ICRA)
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Diana Manjarres; Nicola Montemurro; Sandra Perez Solsona.

11 Title of the work: Understand the fate of pharmaceuticals in crops after irrigation with contaminated water using HRMS system

Name of the conference: 18th Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 10/10/2022

End date: 11/10/2022

Organising entity: The Catalan Institute for Water Research (ICRA)

City organizing entity: Barcelona, Catalonia, Spain

With external admission assessment committee: Yes

Nicola Montemurro; Sandra Perez Solsona.

12 Title of the work: Ponencia inaugural II "IS IT REALLY SO DIFFICULT TO DO RESEARCH IN SPAIN (or Italy)?"

Name of the conference: V Jornada de Joves Investigadors de l'IdRA

Type of event: Seminar

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 15/06/2022

End date: 15/06/2022

Organising entity: Water Research Institute (IdRA) of the University of Barcelona

City organizing entity: Barcelona, Catalonia, Spain

Nicola Montemurro.

13 Title of the work: Detection and quantification of pollutants of emerging concern in aquatic biota: invasive and autochthonous species from l'Albufera Natural Park (Spain)

Name of the conference: 12th Micropol and Ecohazard Conference

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Santiago de Compostela, Galicia, Spain

Date of event: 06/06/2022

End date: 10/06/2022

Organising entity: International Water Association (IWA)

City organizing entity: Santiago de Compostela, Galicia, Spain

With external admission assessment committee: Yes

Diana Manjarres; Sandra Callejas Martos; Nicola Montemurro; Dyana Vitale; Yolanda Picò; Sandra Perez Solsona.



- 14** **Title of the work:** Distribution Of Contaminants Of Emerging Concern In Soil And Edible Crops Irrigated With Reclaimed Water Detected By Swath Acquisition In Lc-qtof-ms
Name of the conference: 12th Micropol and Ecohazard Conference
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
Corresponding author: No
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 06/06/2022
End date: 10/06/2022
Organising entity: International Water Association (IWA)
City organizing entity: Santiago de Compostela, Galicia, Spain
With external admission assessment committee: Yes
Nicola Montemurro; Francesc Labad Roig; Xavier Borrell; Sandra Perez Solsona.
- 15** **Title of the work:** Occurrence and spatiotemporal distribution of Pharmaceuticals in Intermittent Streams
Name of the conference: 12th Micropol and Ecohazard Conference
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
Corresponding author: No
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 06/06/2022
End date: 10/06/2022
Organising entity: International Water Association (IWA)
City organizing entity: Santiago de Compostela, Galicia, Spain
With external admission assessment committee: Yes
Olga Gomez Navarro; Nicola Montemurro; Lluís Bertrams; Meritxell Abril; Lorenzo Proia; Sandra Perez Solsona.
- 16** **Title of the work:** Short and developmental exposure to relevant concentrations of sertraline impaired zebrafish larvae survival behaviors
Name of the conference: 12th Micropol and Ecohazard Conference
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 06/06/2022
End date: 10/06/2022
Organising entity: International Water Association (IWA)
City organizing entity: Santiago de Compostela, Galicia, Spain
With external admission assessment committee: Yes
Melissa Faria; Nicola Montemurro; Diana Manjarres; Demetrio Raldua.
- 17** **Title of the work:** Detection and quantification of polar compounds in Barcelona groundwater by means of LCObitrap- HRMS
Name of the conference: X Reunión de la Sociedad Española de Espectrometría de Masas (XRSEEM)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: No

City of event: Cordoba, Andalusia, Spain

Date of event: 01/06/2022

End date: 03/06/2022

Organising entity: Sociedad Española de Espectrometría de Masas

City organizing entity: Cordoba, Andalusia, Spain

With external admission assessment committee: Yes

Francesc Labad Roig; Nicola Montemurro; Marc Teixidó; Xavier Borrell; Laura Scheiber; Enric Vazquez Sune; Sandra Perez Solsona.

- 18** **Title of the work:** MRMHR analysis of radish tissues and soil samples exposed to contaminants of emerging concern in controlled conditions: uptake, translocation, and metabolism
- Name of the conference:** X Reunión de la Sociedad Española de Espectrometría de Masas (XRSEEM)
- Type of event:** Conference **Geographical area:** National
- Type of participation:** Participatory - oral communication **Reasons for participation:** Review before acceptance
- Corresponding author:** Yes
- City of event:** Cordoba, Andalusia, Spain
- Date of event:** 01/06/2022
- End date:** 03/06/2022
- Organising entity:** Sociedad Española de Espectrometría de Masas
- City organizing entity:** Cordoba, Andalusia, Spain
- With external admission assessment committee:** Yes
- Nicola Montemurro; Francesc Labad Roig; Xavier Borrell; Sandra Perez Solsona.

- 19** **Title of the work:** Validation of an analytical method based on USE/d-SPE and targeted DIA-orbitrap-Ms acquisition mode for determination of PhACs and their metabolites in wild fish tissues and body fluids
- Name of the conference:** X Reunión de la Sociedad Española de Espectrometría de Masas (XRSEEM)
- Type of event:** Conference **Geographical area:** National
- Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance
- Corresponding author:** No
- City of event:** Cordoba, Andalusia, Spain
- Date of event:** 01/06/2022
- End date:** 03/06/2022
- Organising entity:** Sociedad Española de Espectrometría de Masas
- City organizing entity:** Cordoba, Andalusia, Spain
- With external admission assessment committee:** Yes
- Diana Manjarres; Nicola Montemurro; Sandra Perez Solsona.

- 20** **Title of the work:** Venlafaxine and its photo transformation products suspect screening analysis in surface water and lab scale photolysis by LC HRMS Q Exactive Orbitrap
- Name of the conference:** X Reunión de la Sociedad Española de Espectrometría de Masas (XRSEEM)
- Type of event:** Conference **Geographical area:** National
- Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance
- Corresponding author:** No
- City of event:** Cordoba, Andalusia, Spain
- Date of event:** 01/06/2022
- End date:** 03/06/2022
- Organising entity:** Sociedad Española de Espectrometría de Masas
- City organizing entity:** Cordoba, Andalusia, Spain
- With external admission assessment committee:** Yes



Olga Gomez Navarro; Nicola Montemurro; Serge Chiron; Sandra Perez Solsona.

- 21** **Title of the work:** Occurrence and Removal of Emerging Contaminants in Urban Stormwater Runoff
Name of the conference: EGU General Assembly 2022
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: No
City of event: Vienna, Austria
Date of event: 23/05/2022
End date: 27/05/2022
Organising entity: EGU European Geosciences Union
City organizing entity: Vienna, Austria
With external admission assessment committee: Yes
Marc Teixidò; Laura Scheiber; Esther Cruz Castillo; Rotman Criollo; Nicola Montemurro; Francesc Labad Roig; Sandra Perez Solsona; Enric Vazquez Sune.
- 22** **Title of the work:** Development and optimization of an extraction method based on USE/d-SPE for the analysis of pollutants of emerging concern in invasive and native aquatic biota from l'Albufera Natural Park (Spain)
Name of the conference: SETAC Europe 32nd Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Copenhagen, Denmark
Date of event: 15/05/2022
End date: 19/05/2022
Organising entity: SETAC Europe
City organizing entity: Copenhagen, Denmark
With external admission assessment committee: Yes
Diana Manjarres; Sandra Callejas Martos; Nicola Montemurro; Dyana Vitale; Yolanda Picò; Sandra Perez Solsona.
- 23** **Title of the work:** Facing urban contamination: detection and quantification of organic contaminants in urban water from Barcelona city (Spain) using LC-HRMS/MS Orbitrap
Name of the conference: SETAC Europe 32nd Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Copenhagen, Denmark
Date of event: 15/05/2022
End date: 19/05/2022
Organising entity: SETAC Europe
City organizing entity: Copenhagen, Denmark
With external admission assessment committee: Yes
Francesc Labad Roig; Nicola Montemurro; Marc Teixidò; Laura Scheiber; Enric Vázquez Suñé; Sandra Perez Solsona.
- 24** **Title of the work:** Occurrence and Distribution of Pharmaceuticals and Identification of Photo-Transformation Products in Intermittent Rivers
Name of the conference: SETAC Europe 32nd Annual Meeting
Type of event: Conference **Geographical area:** European Union



Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Copenhagen, Denmark

Date of event: 15/05/2022

End date: 19/05/2022

Organising entity: SETAC Europe

City organizing entity: Copenhagen, Denmark

With external admission assessment committee: Yes

Olga Gomez Navarro; Nicola Montemurro; Lluís Bertrams; Meritxell Abril; Lorenzo Proia; Sandra Perez Solsona.

25 Title of the work: Uptake, translocation, and metabolism of different contaminants of emerging concern in radish crops grown under controlled conditions

Name of the conference: SETAC Europe 32nd Annual Meeting

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Copenhagen, Denmark

Date of event: 15/05/2022

End date: 19/05/2022

Organising entity: SETAC Europe

City organizing entity: Copenhagen, Denmark

With external admission assessment committee: Yes

Nicola Montemurro; Francesc Labad Roig; Sandra Perez Solsona.

26 Title of the work: CATCHING POLAR ORGANIC CONTAMINANTS IN URBAN WATER FROM BARCELONA CITY (SPAIN) USING LC-HRMS/MS ORBITRAP

Name of the conference: I JORNADAS DE JÓVENES INVESTIGADORES DE LA SEEM

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Madrid, Community of Madrid, Spain

Date of event: 24/03/2022

End date: 25/03/2022

Organising entity: Sociedad Española de Espectrometría de Masas

City organizing entity: Madrid, Community of Madrid, Spain

With external admission assessment committee: Yes

Francesc Labad Roig; Nicola Montemurro; Marc Teixidó; Xavier Borrell; Laura Scheiber; Rotman Criollo; Enric Vazquez Sune; Sandra Perez Solsona.

27 Title of the work: Presencia de contaminantes de preocupación emergente en especies invasoras y autóctonas del Parque Natural de L'Albufera (España)

Name of the conference: Congreso IBERAQUA-NET Red nacional de ecosistemas fluviales: retos y estrategias de futuro (virtual conference)

Type of event: Conference

Geographical area: National

Type of participation: Participatory - poster

Corresponding author: No

Date of event: 24/11/2021

End date: 25/11/2021

Organising entity: IBERAQUA-NET

With external admission assessment committee: Yes



Diana Manjarres; Nicola Montemurro; Dyana Vitale; Andreu Rico; Yolanda Picò; Sandra Perez Solsona.

- 28** **Title of the work:** Distribution of pharmaceuticals in wild fish tissues in target mode and detection of pollutants of emerging concern by suspect screening
Name of the conference: YRW 2021 IDAEA Young Researchers' Week
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 27/10/2021
End date: 28/10/2021
Organising entity: Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Diana Manjarres; Juan Peña Herrera; Lluís Benejam Vidal; Nicola Montemurro; Sandra Perez Solsona.
- 29** **Title of the work:** Extraction of polar compounds from groundwater by comparing SPE and evaporation techniques followed by HRMS DIA acquisition
Name of the conference: YRW 2021 IDAEA Young Researchers' Week
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 27/10/2021
End date: 28/10/2021
Organising entity: Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Francesc Labad Roig; Nicola Montemurro; Marc Teixidò; Sandra Perez Solsona.
- 30** **Title of the work:** Occurrence and distribution of pharmaceuticals in intermittent rivers in Spain using LC-HRMS/MS Orbitrap
Name of the conference: YRW 2021 IDAEA Young Researchers' Week
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 27/10/2021
End date: 28/10/2021
Organising entity: Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Olga Gomez Navarro; Nicola Montemurro; Lluís Bertrams; Meritxell Abril; Lorenzo Proia; Sandra Perez Solsona.
- 31** **Title of the work:** Determination of Pharmaceuticals in Intermittent Rivers in Spain using three data acquisition modes on Q-Exactive Orbitrap-MS
Name of the conference: 17th Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety (virtual conference)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster



Corresponding author: No

City of event: Ottawa, Canada

Date of event: 14/10/2021

End date: 15/10/2021

Organising entity: Environment and Climate Change Canada

City organizing entity: Ottawa, Canada

With external admission assessment committee: Yes

Olga Gomez Navarro; Nicola Montemurro; Lluís Bertrams; Meritxell Abril; Lorenzo Proia; Sandra Perez Solsona.

- 32 Title of the work:** Extracting polar compounds from groundwater comparing SPE and evaporation methodologies followed by detection with HR-MS/MS in DIA mode
Name of the conference: 17th Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety (virtual conference)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Ottawa, Canada
Date of event: 14/10/2021
End date: 15/10/2021
Organising entity: Environment and Climate Change Canada
City organizing entity: Ottawa, Canada
With external admission assessment committee: Yes
Francesc Labad; Nicola Montemurro; Marc Teixidó; Sandra Perez Solsona.

- 33 Title of the work:** Presence of pollutants of emerging concern in invasive and autochthonous species from l'Albufera Natural Park (Spain) by LC HRMS/MS Q Exactive Orbitrap
Name of the conference: 17th Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety (virtual conference)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Ottawa, Canada
Date of event: 14/10/2021
End date: 15/10/2021
Organising entity: Environment and Climate Change Canada
City organizing entity: Ottawa, Canada
With external admission assessment committee: Yes
Diana Manjarres; Sandra Callejas Martos; Nicola Montemurro; Dyana Vitale; Yolanda Picò; Sandra Perez Solsona.

- 34 Title of the work:** In-situ monitoring of chemical mixtures and biological effects in the Albufera Natural Park
Name of the conference: SEFS 12 Symposium for European Freshwater Sciences (Virtual conference)
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
Date of event: 25/07/2021
End date: 30/07/2021
Organising entity: Irish Freshwater Sciences Association
With external admission assessment committee: Yes
Claudia Martínez Megías; Alba Arenas Sánchez; Diana Manjarres; Nicola Montemurro; Sandra Perez Solsona; Yolanda Soriano; Dyana Vitale; Yolanda Picò; Andreu Rico.



- 35** **Title of the work:** Distribution of target and suspected drugs in river fish organs and tissues
Name of the conference: QUO VADIS Life Sciences, Opole - XII Polish Chromatographic Conference (PKChrom 2021) (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
Date of event: 23/06/2021
End date: 27/06/2021
Organising entity: POLSKIE TOWARZYSTWO CHEMICZNEThe Polish Chemical Society
With external admission assessment committee: Yes
Diana Manjarres; Juan Peña Herrera; Lluís Benejam Vidal; Nicola Montemurro; Sandra Perez Solsona.
- 36** **Title of the work:** Environmental concentrations of Sertraline impair zebrafish larvae key survival behaviors
Name of the conference: QUO VADIS Life Sciences, Opole - XII Polish Chromatographic Conference (PKChrom 2021) (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
Date of event: 23/06/2021
End date: 27/06/2021
Organising entity: POLSKIE TOWARZYSTWO CHEMICZNEThe Polish Chemical Society
With external admission assessment committee: Yes
Melissa Faria; Oscar Soto; Diana Manjarres; Cristian Gomez Canela; Nicola Montemurro; Demetrio Raldua.
- 37** **Title of the work:** Evaluation of the fate of pharmaceuticals in groundwater from an urban aquifer with LC-HRMS methodology
Name of the conference: QUO VADIS Life Sciences, Opole - XII Polish Chromatographic Conference (PKChrom 2021) (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
Date of event: 23/06/2021
End date: 27/06/2021
Organising entity: POLSKIE TOWARZYSTWO CHEMICZNEThe Polish Chemical Society
With external admission assessment committee: Yes
Esteban Restrepo; Francesc Labad Roig; Nicola Montemurro; Antoni Ginibreda; Anna Jurado; Sandra Perez Solsona.
- 38** **Title of the work:** Occurrence of pharmaceuticals in the red swamp crayfish (*Procambarus clarkii*) and the Asian clam (*Corbicula fluminea*) by LC-HRMS/MS Q-Exactive Orbitrap
Name of the conference: QUO VADIS Life Sciences, Opole - XII Polish Chromatographic Conference (PKChrom 2021) (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
Date of event: 23/06/2021
End date: 27/06/2021
Organising entity: POLSKIE TOWARZYSTWO CHEMICZNEThe Polish Chemical Society
With external admission assessment committee: Yes
Sandra Callejas Martos; Diana Manjarres; Nicola Montemurro; Andreu Rico; Claudia Martínez Megías; Dyana Vitale; Yolanda Picò; Sandra Perez Solsona.

- 39** **Title of the work:** Accumulation and Uptake of Wastewater-Borne Organic Micropollutants in Soil and Lettuce Leaves: A Field Study
Name of the conference: SETAC Europe 31st Annual Meeting (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
Date of event: 03/05/2021
End date: 06/05/2021
Organising entity: SETAC-Europe
With external admission assessment committee: Yes
Rayana Manasfi; Monica Brienza; N. Ait-mouheb; Sandra Perez Solsona; Nicola Montemurro; Serge Chiron.
- 40** **Title of the work:** Bacteria in Lettuce Roots
Name of the conference: SETAC Europe 31st Annual Meeting (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - poster
Corresponding author: No
Date of event: 03/05/2021
End date: 06/05/2021
Organising entity: SETAC-Europe
With external admission assessment committee: Yes
Yvonne Bigott; Sara Gallego; M. Breuil; Caterina Cruzeiro; Nicola Montemurro; Sandra Perez Solsona; Fabrice Laurent-Martin; Peter Schroeder.
- 41** **Title of the work:** Combining Laboratory and Field Studies for the Identification of Priority Pharmaceuticals and Photo-Transformation Products in Surface Water
Name of the conference: SETAC Europe 31st Annual Meeting (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
Date of event: 03/05/2021
End date: 06/05/2021
Organising entity: SETAC-Europe
With external admission assessment committee: Yes
Olga Gomez Navarro; Nicola Montemurro; Lluís Bertrams Tubau; Meritxell Abril; Lorenzo Proia; Sandra Perez Solsona.
- 42** **Title of the work:** Distribution of Pharmaceuticals in Fish Tissues From Llobregat River Basin
Name of the conference: SETAC Europe 31st Annual Meeting (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
Date of event: 03/05/2021
End date: 06/05/2021
Organising entity: SETAC-Europe
With external admission assessment committee: Yes
Diana Manjarres; Juan Peña Herrera; Lluís Benejam Vidal; Nicola Montemurro; Sandra Perez Solsona.



- 43** **Title of the work:** Occurrence of Highly and Medium Polar Pharmaceuticals in Groundwater of Barcelona City (Spain) Using Lc-Hrms/Ms Orbitrap
Name of the conference: SETAC Europe 31st Annual Meeting (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
Corresponding author: Yes
Date of event: 03/05/2021
End date: 06/05/2021
Organising entity: SETAC-Europe
With external admission assessment committee: Yes
Nicola Montemurro; Francesc Labad Roig; Diana Manjarres; Olga Gomez Navarro; Laura Scheiber; Rotman Criollo; Enric Vazquez Sune; Sandra Perez Solsona.
- 44** **Title of the work:** Occurrence of Pharmaceutically Active Compounds and Their Metabolites in Radishes Grown Under Real Soil Conditions by Lc-Hrms/Ms
Name of the conference: SETAC Europe 31st Annual Meeting (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
Date of event: 03/05/2021
End date: 06/05/2021
Organising entity: SETAC-Europe
With external admission assessment committee: Yes
Francesc Labad Roig; Nicola Montemurro; Sandra Perez Solsona.
- 45** **Title of the work:** Soil-Root-Lettuce Distribution and Metabolism of Wastewater-Borne Drugs
Name of the conference: SETAC Europe 31st Annual Meeting (virtual conference)
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
Date of event: 03/05/2021
End date: 06/05/2021
Organising entity: SETAC-Europe
With external admission assessment committee: Yes
Sandra Perez Solsona; Nicola Montemurro.
- 46** **Title of the work:** Analytical method development using solid-phase extraction method and liquid chromatography coupled to HR and LR-MS for the detection of PMOCs in waters from intermittent rivers
Name of the conference: 16th Annual Workshop On Emerging High-Resolution Mass Spectrometry (Hrms) And Lc-Ms/Ms Applications In Environmental Analysis And Food Safety (online)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Barcelona, Catalonia, Spain
Date of event: 15/10/2020
End date: 16/10/2020
Organising entity: IDAEA-CSIC/ICRA
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Diana Patricia Manjarrés López; Francesc Labad Roig; Nicola Montemurro; Sandra Pérez.



- 47** **Title of the work:** Biomarker responses and metabolites identification in *Lumbricus terrestris* exposed to drugs of environmental concern, an in vivo and in vitro approach
Name of the conference: 16th Annual Workshop On Emerging High-Resolution Mass Spectrometry (Hrms) And Lc-Ms/Ms Applications In Environmental Analysis And Food Safety (online)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Barcelona, Catalonia, Spain
Date of event: 15/10/2020
End date: 16/10/2020
Organising entity: IDAEA-CSIC/ICRA
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Montse Solè; Nicola Montemurro; Sandra Pérez.
- 48** **Title of the work:** Differential uptake and metabolism of wastewater-borne drugs into soil-lettuce system studied by HR-LC-MS
Name of the conference: 16th Annual Workshop On Emerging High-Resolution Mass Spectrometry (Hrms) And Lc-Ms/Ms Applications In Environmental Analysis And Food Safety (online)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Barcelona, Catalonia, Spain
Date of event: 15/10/2020
End date: 16/10/2020
Organising entity: IDAEA-CSIC/ICRA
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Sandra Pérez; Nicola Montemurro.
- 49** **Title of the work:** Earthworms impact on the uptake of selected pharmaceuticals in lettuce crops irrigated with wastewater
Name of the conference: 16th Annual Workshop On Emerging High-Resolution Mass Spectrometry (Hrms) And Lc-Ms/Ms Applications In Environmental Analysis And Food Safety (online)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Barcelona, Catalonia, Spain
Date of event: 15/10/2020
End date: 16/10/2020
Organising entity: IDAEA-CSIC/ICRA
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Nicola Montemurro; Sandra Pérez.
- 50** **Title of the work:** PHARMACEUTICALS AND THEIR METABOLITES OCURRENCE IN RADISHES IRRIGATED WITH RECLAIMED WASTEWATER BY LC-SWATH-HRMS ANALYSIS
Name of the conference: 16th Annual Workshop On Emerging High-Resolution Mass Spectrometry (Hrms) And Lc-Ms/Ms Applications In Environmental Analysis And Food Safety (online)



Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: Non EU International
Reasons for participation: Review before acceptance

City of event: Barcelona, Catalonia, Spain

Date of event: 15/10/2020

End date: 16/10/2020

Organising entity: IDAEA-CSIC/ICRA

City organizing entity: Barcelona, Catalonia, Spain

With external admission assessment committee: Yes

Francesc Labad Roig; Nicola Montemurro; Sibora Berisha; Nicolaus Thomaidis; Sandra Pérez.

- 51 Title of the work:** Sitagliptin and photo-transformation products in freshwater by LC-HRMS (Orbitrap)
Name of the conference: 16th Annual Workshop On Emerging High-Resolution Mass Spectrometry (Hrms) And Lc-Ms/Ms Applications In Environmental Analysis And Food Safety (online)
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance

City of event: Barcelona, Catalonia, Spain

Date of event: 15/10/2020

End date: 16/10/2020

Organising entity: IDAEA-CSIC/ICRA

City organizing entity: Barcelona, Catalonia, Spain

With external admission assessment committee: Yes

Olga Gómez Navarro; Enelton Fagnani; Nicola Montemurro; Sandra Pérez.

- 52 Title of the work:** Wastewater-borne organic micropollutants accumulation in soil and lettuce leave using QuEChERS extraction methods and LC-QTOF-MS: A field study
Name of the conference: 16th Annual Workshop On Emerging High-Resolution Mass Spectrometry (Hrms) And Lc-Ms/Ms Applications In Environmental Analysis And Food Safety (online)
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Geographical area: Non EU International
Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 15/10/2020

End date: 16/10/2020

Organising entity: IDAEA-CSIC/ICRA

City organizing entity: Barcelona, Catalonia, Spain

With external admission assessment committee: Yes

Rayana Manasfi; Monica Brienza; Nassim Aït-Mouheb; Nicola Montemurro; Sandra Pérez; Serge Chiron.

- 53 Title of the work:** Accumulation of Pharmaceuticals residues in fish tissues from polluted rivers
Name of the conference: 2nd International Conference on Risk Assessment of Pharmaceuticals in the Environment
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: European Union
Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 28/11/2019

End date: 29/11/2019

Type of entity: Public Research Body



Organising entity: ICRA and IDAEA-CSIC, Girona and Barcelona, Spain

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Juan Manuel Peña Herrera; Nicola Montemurro; Damià Barcelò; Sandra Perez Solsona.

- 54 Title of the work:** Biomarker responses in *Lumbricus terrestris* exposed to model drugs
Name of the conference: 2nd International Conference on Risk Assessment of Pharmaceuticals in the Environment

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 28/11/2019

End date: 29/11/2019

Organising entity: ICRA and IDAEA-CSIC, Girona and Barcelona, Spain

Type of entity: Public Research Body

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Daniel Romano; Nicola Montemurro; Joel Joedicke; Sandra Perez Solsona; Montserrat Solé.

- 55 Title of the work:** Detection of pharmaceuticals and their phototransformation products in surface waters
Name of the conference: 2nd International Conference on Risk Assessment of Pharmaceuticals in the Environment

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 28/11/2019

End date: 29/11/2019

Organising entity: ICRA and IDAEA-CSIC, Girona and Barcelona, Spain

Type of entity: Public Research Body

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Enelton Fagnani; Nicola Montemurro; Sandra Perez Solsona.

- 56 Title of the work:** Exposure and accumulation of different contaminants of emerging concern in radish crops grown under controlled conditions

Name of the conference: 2nd International Conference on Risk Assessment of Pharmaceuticals in the Environment

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 28/11/2019

End date: 29/11/2019



Organising entity: ICRA and IDAEA-CSIC, Girona and Barcelona, Spain

Type of entity: Public Research Body

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Nicola Montemurro; Rayana Manasfi; Albert Guerrero; Serge Chiron; Damià Barcelò; Sandra Perez Solsona.

57 Title of the work: Fate and uptake of pharmaceuticals and their metabolites in the soil/earthworm/lettuce system irrigated with treated wastewater

Name of the conference: 2nd International Conference on Risk Assessment of Pharmaceuticals in the Environment

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 28/11/2019

End date: 29/11/2019

Organising entity: ICRA and IDAEA-CSIC, Girona and Barcelona, Spain

Type of entity: Public Research Body

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Sandra Perez Solsona; Damià Barcelò; Rayana Manasfi; Serge Chiron; Nicola Montemurro.

58 Title of the work: LC-HRMS/MS detection of transformation products and metabolites of pharmaceutical compounds in artificial river channel exposed to wastewater treatment plant effluent

Name of the conference: 2nd International Conference on Risk Assessment of Pharmaceuticals in the Environment

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 28/11/2019

End date: 29/11/2019

Organising entity: ICRA and IDAEA-CSIC, Girona and Barcelona, Spain

Type of entity: Public Research Body

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Laia Sabater; Antoni Ginebreda; Nicola Montemurro; Sandra Perez Solsona; Damià Barcelò.

59 Title of the work: Pharmaceutical plant uptake and soil accumulation in crops irrigated with treated wastewater: A field study

Name of the conference: 2nd International Conference on Risk Assessment of Pharmaceuticals in the Environment

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain



Date of event: 28/11/2019

End date: 29/11/2019

Organising entity: ICRA and IDAEA-CSIC, Girona and Barcelona, Spain

Type of entity: Public Research Body

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Rayana Manasfi; Monica Brienza; Nicola Montemurro; Sandra Perez Solsona; Serge Chiron.

60 Title of the work: Pharmaceuticals in Algerian wastewater sludge: the case of the wastewater treatment plant in Guelma's city

Name of the conference: 2nd International Conference on Risk Assessment of Pharmaceuticals in the Environment

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 28/11/2019

End date: 29/11/2019

Organising entity: ICRA and IDAEA-CSIC, Girona and Barcelona, Spain

Type of entity: Public Research Body

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Messaouda Khallef; Djamel Eddine Benouareth; Choayb Bounar; Nicola Montemurro; Sandra Perez Solsona; Damià Barceló.

61 Title of the work: Two-stage anaerobic digestion process for the removal of pharmaceutically active compounds from sewage sludge: preliminary studies

Name of the conference: 2nd International Meeting on New Strategies in Bioremediation Processes

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Porto, Portugal

Date of event: 24/10/2019

End date: 25/10/2019

Organising entity: Faculty of Engineering of the University of Porto (FEUP)

Type of entity: University

City organizing entity: Porto, Portugal

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Manuel Jesús Gallardo Altamirano; Paula Maza Márquez; Sandra Perez Solsona; Nicola Montemurro; Belén Rodelas; Francisco Osorio.

62 Title of the work: Prioritizing drug TPs solely formed by photolysis in surface waters using LC-HR-MS

Name of the conference: 11th Micropol & Ecohazard Conference 2019

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No



City of event: Seoul, South Korea,

Date of event: 20/10/2019

End date: 24/10/2019

Organising entity: KOREAN SOCIETY OF ENVIRONMENTAL ENGINEERS (KSEE)

City organizing entity: Seoul, South Korea,

Publication in conference proceedings: Yes

Type of entity: University Centres and Structures and Associated Bodies

With external admission assessment committee: Yes

Sandra Perez Solsona; Enelton Fagnani; Nicola Montemurro.

63 Title of the work: DEVELOPMENT OF A MODIFIED QuEChERS PROTOCOL TO IMPROVE EXTRACTION EFFICIENCIES OF PHARMACEUTICALS FROM LETTUCE IRRIGATED WITH RECLAIMED WATER

Name of the conference: 1st Iberian Meeting in Separation Sciences & MS, XIX Conference of SECyTA, IX Conference of SEEM, and VI Conference of the MS Group of the PSC

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Santiago de Compostela, Galicia, Spain

Date of event: 08/10/2019

End date: 11/10/2019

Organising entity: The international Mass Spectrometry Foundation (IMSF) and the Spanish Mass Spectrometry Society (SEEM)

City organizing entity: Santiago de Compostela, Galicia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Anastasia Orfanoti; Nicola Montemurro; Sandra Perez Solsona.

64 Title of the work: DIFFERENTIAL UPTAKE OF PHARMACEUTICALS IN RAPHANUS SATIVUS USING HYBRID QTOF SYTEM

Name of the conference: 1st Iberian Meeting in Separation Sciences & MS, XIX Conference of SECyTA, IX Conference of SEEM, and VI Conference of the MS Group of the PSC

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Santiago de Compostela, Galicia, Spain

Date of event: 08/10/2019

End date: 11/10/2019

Organising entity: The international Mass Spectrometry Foundation (IMSF) and the Spanish Mass Spectrometry Society (SEEM)

City organizing entity: Santiago de Compostela, Galicia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Nicola Montemurro; Rayana Manasfi; Sandra Perez Solsona.

65 Title of the work: PHOTO-TRANSFORMATION PRODUCTS FROM HALOGENATED PHARMACEUTICALS

Name of the conference: 1st Iberian Meeting in Separation Sciences & MS, XIX Conference of SECyTA, IX Conference of SEEM, and VI Conference of the MS Group of the PSC

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster



Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Santiago de Compostela, Galicia, Spain

Date of event: 08/10/2019

End date: 11/10/2019

Organising entity: The international Mass Spectrometry Foundation (IMSF) and the Spanish Mass Spectrometry Society (SEEM)

City organizing entity: Santiago de Compostela, Galicia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Enelton Fagnani; Nicola Montemurro; Sandra Perez Solsona.

- 66** **Title of the work:** SPE-UPLC-HRMS suspect screening method for the identification of pharmaceuticals and their transformation products in surface water after photolysis
- Name of the conference:** 1st Iberian Meeting in Separation Sciences & MS, XIX Conference of SECyTA, IX Conference of SEEM, and VI Conference of the MS Group of the PSC
- Type of event:** Conference
- Geographical area:** European Union
- Type of participation:** Participatory - oral communication
- Reasons for participation:** Review before acceptance
- Corresponding author:** No
- City of event:** Santiago de Compostela, Galicia, Spain
- Date of event:** 08/10/2019
- End date:** 11/10/2019
- Organising entity:** The international Mass Spectrometry Foundation (IMSF) and the Spanish Mass Spectrometry Society (SEEM)
- City organizing entity:** Santiago de Compostela, Galicia, Spain
- Publication in conference proceedings:** Yes
- With external admission assessment committee:** Yes
- Sandra Perez Solsona; Enelton Fagnani; Nicola Montemurro.

- 67** **Title of the work:** Fate and uptake of pharmaceuticals and their metabolites in crops irrigated with treated wastewater – lab and field scale studies
- Name of the conference:** MUSE workshop, International REUSE MUSE Workshop: Agricultural Water Reuse - how to address health and environmental challenges?
- Type of event:** Conference
- Geographical area:** European Union
- Type of participation:** Participatory - invited/keynote talk
- Reasons for participation:** Review before acceptance
- Corresponding author:** No
- City of event:** Montpellier, France
- Date of event:** 02/10/2019
- End date:** 04/10/2019
- Organising entity:** MUSE – Montpellier University of Excellence
- Type of entity:** University
- City organizing entity:** Montpellier, France
- Publication in conference proceedings:** Yes
- With external admission assessment committee:** Yes
- Sandra Perez Solsona; Serge Chiron; Rayana Manasfi; Nicola Montemurro.

- 68** **Title of the work:** Biodegradation of fluoroquinolone antibiotics and the climbazolefungicide by Trichodermaspecies
- Name of the conference:** 4th International Mass Spectrometry School, held in Sitges (Spain) on 15-20 September, 2019



Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: European Union
Reasons for participation: Review before acceptance

Corresponding author: No
City of event: Sitges, Catalonia, Spain
Date of event: 15/09/2019
End date: 20/09/2019

Organising entity: The international Mass Spectrometry Foundation (IMSF) and the Spanish Mass Spectrometry Society (SEEM)

City organizing entity: Sitges, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Rayana Manasfi; Monica Brienza; Nicola Montemurro; Sandra Perez Solsona; Serge Chiron.

69 Title of the work: LC-HRMS SPECTRAL LIBRARIES FOR PHOTO-TRANSFORMATION PRODUCTS FROM PHARMACEUTICAL ACTIVE COMPOUNDS (PhACs) – COMPARISON BETWEEN Q-ToF AND ORBITRAP

Name of the conference: 4th International Mass Spectrometry School, held in Sitges (Spain) on 15-20 September, 2019

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: European Union
Reasons for participation: Review before acceptance

Corresponding author: No
City of event: Sitges, Catalonia, Spain
Date of event: 15/09/2019
End date: 20/09/2019

Organising entity: The international Mass Spectrometry Foundation (IMSF) and the Spanish Mass Spectrometry Society (SEEM)

City organizing entity: Sitges, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Enelton Fagnani; Nicola Montemurro; Sandra Perez Solsona.

70 Title of the work: SWATH AND MRM-HR ACQUISITION FOR THE DETERMINATION OF COMMONLY WASTEWATER-DERIVED POLLUTANTS IN LETTUCE AND RADISH CROPS

Name of the conference: 4th International Mass Spectrometry School, held in Sitges (Spain) on 15-20 September, 2019

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: European Union
Reasons for participation: Review before acceptance

Corresponding author: Yes
City of event: Sitges, Catalonia, Spain
Date of event: 15/09/2019
End date: 20/09/2019

Organising entity: The international Mass Spectrometry Foundation (IMSF) and the Spanish Mass Spectrometry Society (SEEM)

City organizing entity: Sitges, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Nicola Montemurro; Rayana Manasfi; Damià Barcelò; Sandra Perez Solsona.



71 **Title of the work:** SWATH®-MS ACQUISITION TECHNOLOGY AS A USEFUL TOOL FOR DETERMINATION OF PHARMACEUTICALS IN FISH: TARGET ANALYSIS AND SUSPECT SCREENING
Name of the conference: 4th International Mass Spectrometry School, held in Sitges (Spain) on 15-20 September, 2019

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: European Union

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Sitges, Catalonia, Spain

Date of event: 15/09/2019

End date: 20/09/2019

Organising entity: The international Mass Spectrometry Foundation (IMSF) and the Spanish Mass Spectrometry Society (SEEM)

City organizing entity: Sitges, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Juan Manuel Peña-Herrera; Nicola Montemurro; Damià Barcelò; Sandra Perez Solsona.

72 **Title of the work:** Accumulation of Pharmaceuticals residues in fish tissues from polluted rivers
Name of the conference: 17th International Conference on Chemistry and the Environment - 16-20 June 2019 Thessaloniki, Greece

Type of event: Conference

Type of participation: Participatory - oral communication

Geographical area: European Union

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Thessaloniki, Greece

Date of event: 16/06/2019

End date: 20/06/2019

Organising entity: EuChemS European Chemical Society

Type of entity: Associations and Groups

City organizing entity: Thessaloniki, Greece

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Juan Manuel Peña Herrera; Nicola Montemurro; Damià Barcelò; Sandra Perez Solsona.

73 **Title of the work:** Development of SPE-LC-HRMS method using suspect screening SWATH® technology for the detection of halogenated pharmaceuticals and their phototransformation products in surface waters
Name of the conference: 17th International Conference on Chemistry and the Environment - 16-20 June 2019 Thessaloniki, Greece

Type of event: Conference

Type of participation: Participatory - oral communication

Geographical area: European Union

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Thessaloniki, Greece

Date of event: 16/06/2019

End date: 20/06/2019

Organising entity: EuChemS European Chemical Society

Type of entity: Associations and Groups

City organizing entity: Thessaloniki, Greece

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Enelton Fagnani; Nicola Montemurro; Sandra Perez Solsona.



- 74** **Title of the work:** Development of a method using QuEChERS and LC-HRMS for the evaluation of the uptake of pharmaceuticals in greenhouse lettuce
Name of the conference: 17th International Conference on Chemistry and the Environment - 16-20 June 2019 Thessaloniki, Greece
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: European Union
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Thessaloniki, Greece
Date of event: 16/06/2019
End date: 20/06/2019
Organising entity: EuChemS European Chemical Society
City organizing entity: Thessaloniki, Greece
Publication in conference proceedings: Yes
Type of entity: Associations and Groups
With external admission assessment committee: Yes
Anastasia Orfanoti; Nicola Montemurro; Nikos Thomaidis; Sandra Perez Solsona.
- 75** **Title of the work:** HR-MS-suspect screening of phototransformation products of wastewater-borne pharmaceuticals in rivers
Name of the conference: 17th International Conference on Chemistry and the Environment - 16-20 June 2019 Thessaloniki, Greece
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: European Union
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Thessaloniki, Greece
Date of event: 16/06/2019
End date: 20/06/2019
Organising entity: EuChemS European Chemical Society
City organizing entity: Thessaloniki, Greece
Publication in conference proceedings: Yes
Type of entity: Associations and Groups
With external admission assessment committee: Yes
Sandra Perez Solsona; Enelton Fagnani; Nicola Montemurro.
- 76** **Title of the work:** The role of earthworms in soil biochemistry: effects of valsartan on different enzymatic biomarkers
Name of the conference: 17th International Conference on Chemistry and the Environment - 16-20 June 2019 Thessaloniki, Greece
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: European Union
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Thessaloniki, Greece
Date of event: 16/06/2019
End date: 20/06/2019
Organising entity: EuChemS European Chemical Society
City organizing entity: Thessaloniki, Greece
Publication in conference proceedings: Yes
Type of entity: Associations and Groups
With external admission assessment committee: Yes



David Nos; Juan Carlos Sanchez-Hernandez; Nicola Montemurro; Sandra Perez Solsona; Montserrat Solè.

77 Title of the work: Transformation of selected pharmaceuticals and personal care products by trichoderma species

Name of the conference: 17th International Conference on Chemistry and the Environment - 16-20 June 2019 Thessaloniki, Greece

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Thessaloniki, Greece

Date of event: 16/06/2019

End date: 20/06/2019

Organising entity: EuChemS European Chemical Society

Type of entity: Associations and Groups

City organizing entity: Thessaloniki, Greece

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Rayana Manasfi; Monica Brienza; Nicola Montemurro; Sandra Perez Solsona; Serge Chiron.

78 Title of the work: Uptake and accumulation of commonly wastewater-derived pollutants in lettuce and radish grown in a controlled environment

Name of the conference: 17th International Conference on Chemistry and the Environment - 16-20 June 2019 Thessaloniki, Greece

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Thessaloniki, Greece

Date of event: 16/06/2019

End date: 20/06/2019

Organising entity: EuChemS European Chemical Society

Type of entity: Associations and Groups

City organizing entity: Thessaloniki, Greece

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Nicola Montemurro; Rayana Manasfi; Juan Manuel Peña Herrera; Serge Chiron; Damià Barcelò; Sandra Perez Solsona.

79 Title of the work: Uptake and accumulation of pharmaceuticals and personal care products (PPCPs) by radish crops irrigated with treated wastewater

Name of the conference: 17th International Conference on Chemistry and the Environment - 16-20 June 2019 Thessaloniki, Greece

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Thessaloniki, Greece

Date of event: 16/06/2019

End date: 20/06/2019

Organising entity: EuChemS European Chemical Society

Type of entity: Associations and Groups

City organizing entity: Thessaloniki, Greece



Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Sibora Berisha; Clara Calls; Nicola Montemurro; Nikos Thomaidis; Sandra Perez Solsona.

80 Title of the work: Uptake and biological effects of the insecticide Fipronil on seabass
Name of the conference: 17th International Conference on Chemistry and the Environment - 16-20 June 2019 Thessaloniki, Greece

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Thessaloniki, Greece

Date of event: 16/06/2019

End date: 20/06/2019

Organising entity: EuChemS European Chemical Society

Type of entity: Associations and Groups

City organizing entity: Thessaloniki, Greece

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Sara Dallares; Priscila Dourado; Juan Manuel Peña Herrera; Nicola Montemurro; Sandra Perez Solsona; L. Berdié; Montserrat Solé.

81 Title of the work: QTOF-MS System: The Best Choice for Emerging Contaminants Discovery in Wastewater Reuse and Plant uptake

Name of the conference: 67th ASMS Conference on Mass Spectrometry and Allied Topics

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Atlanta, GA, United States of America

Date of event: 02/06/2019

End date: 06/06/2019

Organising entity: American Society for Mass Spectrometry

Type of entity: Associations and Groups

City organizing entity: Atlanta, GA, United States of America

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Damià Barcelò; Yolanda Picò; Nicola Montemurro; Sandra Perez Solsona.

82 Title of the work: Determination of pharmaceuticals in biota using USE, d-SPE clean-up and SWATHTM Acquisition by LC-MS/MS-QTOF system

Name of the conference: 15th Annual Workshop on LC/MS/MS Applications in Environmental Analysis and Food Safety

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Miami Beach, Florida, United States of America

Date of event: 29/05/2019

End date: 31/05/2019

Organising entity: FIU Institute of Water and Environment

Type of entity: University



City organizing entity: Miami Beach, Florida, United States of America

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Juan Manuel Peña Herrera; Nicola Montemurro; Serge Chiron; Damià Barcelò; Sandra Perez Solsona.

83 Title of the work: Development of analytical methods using QuEChERS and HR-MS for the study of fate and uptake of pharmaceuticals and their metabolites in the soil-earthworm-lettuce system following irrigation with treated wastewater

Name of the conference: 15th Annual Workshop on LC/MS/MS Applications in Environmental Analysis and Food Safety

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Miami Beach, Florida, United States of America

Date of event: 29/05/2019

End date: 31/05/2019

Organising entity: FIU Institute of Water and Environment

Type of entity: University

City organizing entity: Miami Beach, Florida, United States of America

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Sandra Perez Solsona; Damià Barcelò; Nicola Montemurro.

84 Title of the work: High Resolution MS: The Best Choice for Emerging Contaminants Discovery in Wastewater Reuse and Plant uptake

Name of the conference: 15th Annual Workshop on LC/MS/MS Applications in Environmental Analysis and Food Safety

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Miami Beach, Florida, United States of America

Date of event: 29/05/2019

End date: 31/05/2019

Organising entity: FIU Institute of Water and Environment

Type of entity: University

City organizing entity: Miami Beach, Florida, United States of America

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Damià Barcelò; Yolanda Picò; Nicola Montemurro; Sandra Perez Solsona.

85 Title of the work: SWATH Technology for target and suspect screening of emerging contaminants in wastewater effluents

Name of the conference: QTOF X500R - HRMS Easy

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Girona, Catalonia, Spain

Date of event: 17/04/2019

End date: 17/04/2019



Organising entity: AB Sciex Spain, S.L.

Nicola Montemurro; Laia Sabater; Damià Barceló; Sandra Peréz.

86 Title of the work: SWATH Technology for target and suspect screening of emerging contaminants in wastewater effluents

Name of the conference: QTOF X500R - HRMS Easy

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 12/04/2019

End date: 12/04/2019

Organising entity: AB Sciex Spain, S.L.

Nicola Montemurro; Laia Sabater; Damià Barceló; Sandra Peréz.

87 Title of the work: Biodegradation of emerging contaminants by Trichoderma strains

Name of the conference: GLOBAQUA Final Conference: Water river management under water scarcity and multiple stressors

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 17/12/2018

End date: 19/12/2018

Organising entity: Globaqua FP7 project

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Rayana Al Manasfi; Monica Brienza; Nicola Montemurro; Sandra Perez Solsona; Serge Chiròn.

88 Title of the work: Can treated wastewater pose a potential risk to human health as a result of irrigation of vegetable crops?

Name of the conference: GLOBAQUA Final Conference: Water river management under water scarcity and multiple stressors

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 17/12/2018

End date: 19/12/2018

Organising entity: Globaqua FP7 project

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Nicola Montemurro; Damià Barcelò; Sandra Perez Solsona.

89 Title of the work: Complex responses of a biofilm to sewage outflow: a mesocosm experimental approach

Name of the conference: GLOBAQUA Final Conference: Water river management under water scarcity and multiple stressors



Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 17/12/2018

End date: 19/12/2018

Organising entity: Globaqua FP7 project

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

Geographical area: Non EU International

Reasons for participation: Review before acceptance

With external admission assessment committee: Yes

Laia Sabater Liesa; Nicola Montemurro; Carme Font; Antoni Ginebreda; Juan David Gonzalez Trujillo; Natalia Mingorance; Sandra Perez Solsona; Damià Barcelò.

- 90** **Title of the work:** Evaluation of the photodegradability of pharmaceuticals in Evrotas river
Name of the conference: GLOBAQUA Final Conference: Water river management under water scarcity and multiple stressors

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 17/12/2018

End date: 19/12/2018

Organising entity: Globaqua FP7 project

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

Geographical area: Non EU International

Reasons for participation: Review before acceptance

With external admission assessment committee: Yes

Sandra Perez Solsona; Manuel Garcia Vara; Damià Barcelò; Nicola Montemurro.

- 91** **Title of the work:** Pharmaceuticals Uptake In Wild Fish
Name of the conference: GLOBAQUA Final Conference: Water river management under water scarcity and multiple stressors

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 17/12/2018

End date: 19/12/2018

Organising entity: Globaqua FP7 project

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

Geographical area: Non EU International

Reasons for participation: Review before acceptance

With external admission assessment committee: Yes

Juan Manuel Peña Herrera; Nicola Montemurro; Antoni Ginebreda; Mira Petrovic; Sandra Perez Solsona; Damià Barcelò.

- 92** **Title of the work:** Applying lc-hr-ms suspect screening for the detection of phototransformation products of pharmaceuticals in surface waters

Name of the conference: XVIII Meeting of the Spanish Society of Chromatography and Related Techniques (SECyTA 2018)

Type of event: Conference

Geographical area: National



Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Granada, Andalusia, Spain

Date of event: 02/10/2018

End date: 04/10/2018

Organising entity: Spanish Society of Chromatography and Related Techniques (SECyTA)

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Sandra Pérez; Manuel Garcia Vara; Damià Barceló; Nicola Montemurro.

93 Title of the work: Comparative response to Tamiflu (Oseltamivir phosphate) under water-exposure in mussels and clams

Name of the conference: XVIII Meeting of the Spanish Society of Chromatography and Related Techniques (SECyTA 2018)

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Granada, Andalusia, Spain

Date of event: 02/10/2018

End date: 04/10/2018

Organising entity: Spanish Society of Chromatography and Related Techniques (SECyTA)

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Sara Dallarés; Nicola Montemurro; Sandra Pérez; Neus Rodriguez Sanchez; Montserrat Solé.

94 Title of the work: Determination of selected pharmaceuticals in lettuce crops by HRMS X500R Q-TOF

Name of the conference: XVIII Meeting of the Spanish Society of Chromatography and Related Techniques (SECyTA 2018)

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Granada, Andalusia, Spain

Date of event: 02/10/2018

End date: 04/10/2018

Organising entity: Spanish Society of Chromatography and Related Techniques (SECyTA)

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Manuel Garcia Vara; Nicola Montemurro; Adriana Juan Polo; Sandra Pérez.

95 Title of the work: Strategies for suspect screening of pharmaceuticals in wastewater effluents using SWATH approach with X500R QTOF

Name of the conference: XVIII Meeting of the Spanish Society of Chromatography and Related Techniques (SECyTA 2018)

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Granada, Andalusia, Spain

Date of event: 02/10/2018

End date: 04/10/2018

Organising entity: Spanish Society of Chromatography and Related Techniques (SECyTA)

Type of entity: Associations and Groups

With external admission assessment committee: Yes



Nicola Montemurro; Damià Barceló; Sandra Pérez.

- 96** **Title of the work:** Reducing the environmental impact of meat industry by a novel cyclodextrin/pulsed light system to eliminate pharmaceutical compounds from wastewater
Name of the conference: International Nonthermal Processing Workshop and Short course 2018
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
- Corresponding author:** No
City of event: Sorrento-Salerno, Campania, Italy
Date of event: 25/09/2018
End date: 27/09/2018
Teresa Gómez Morte; Vicente Manuel Gómez López; María I. Fortea; José Antonio Pellicer; Estrella Núñez Delicado; Sofía Martínez; Miguel Ayuso; Pinalysa Cosma; Paola Fini; Sandra Pérez; Nicola Montemurro; Damià Barceló; José Antonio Gabaldón.
- 97** **Title of the work:** Analysis Of Diclofenac, Ibuprofen And Triclosan In Lettuce Leaves Using QuEChERS And LC/HRMS-MS
Name of the conference: 14th Annual LC/MS/MS Workshop on Environmental Applications and Food Safety
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 26/06/2018
End date: 27/06/2018
Organising entity: IDAEA-CSIC/ICRA
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Adriana Juan Polo; Nicola Montemurro; Sandra Pérez.
- 98** **Title of the work:** LC-HRMS/MS detection of pharmaceuticals in artificial river channels exposed to wastewater effluents and their effects on biofilm communities
Name of the conference: 14th Annual LC/MS/MS Workshop on Environmental Applications and Food Safety
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 26/06/2018
End date: 27/06/2018
Organising entity: IDAEA-CSIC/ICRA
City organizing entity: Barcelona, Catalonia, Spain
With external admission assessment committee: Yes
Laia Sabater Liesa; Nicola Montemurro; Antoni Ginebreda; Olatz Pereda; Sandra Pérez; Ferran Romero; Damià Barceló.
- 99** **Title of the work:** Pharmaceuticals Analysis In Fish Muscle: Optimization And Validation A Methodology Using Quechers Extraction And UPLC-ESI-QTOF Analysis
Name of the conference: 14th Annual LC/MS/MS Workshop on Environmental Applications and Food Safety
Type of event: Conference **Geographical area:** Non EU International



Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 26/06/2018

End date: 27/06/2018

Organising entity: IDAEA-CSIC/ICRA

City organizing entity: Barcelona, Catalonia, Spain

With external admission assessment committee: Yes

Juan Manuel Peña Herrera; Nicola Montemurro; Sandra Pérez; Damià Barceló.

100 Title of the work: Screening and quantitation of emerging contaminants in wastewater effluents using X500R QTOF System with SWATH Acquisition

Name of the conference: 14th Annual LC/MS/MS Workshop on Environmental Applications and Food Safety

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 26/06/2018

End date: 27/06/2018

Organising entity: IDAEA-CSIC/ICRA

City organizing entity: Barcelona, Catalonia, Spain

With external admission assessment committee: Yes

Nicola Montemurro; Damià Barceló; Sandra Pérez.

101 Title of the work: Suspect screening of phototransformation products of pharmaceuticals in European rivers

Name of the conference: 14th Annual LC/MS/MS Workshop on Environmental Applications and Food Safety

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 26/06/2018

End date: 27/06/2018

Organising entity: IDAEA-CSIC/ICRA

City organizing entity: Barcelona, Catalonia, Spain

With external admission assessment committee: Yes

Sandra Pérez; Manuel Garcia Vara; Damià Barceló; Nicola Montemurro.

102 Title of the work: Uptake and metabolism of pharmaceuticals in lettuce crops analysed by HRMS X500R Q-ToF

Name of the conference: 14th Annual LC/MS/MS Workshop on Environmental Applications and Food Safety

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 26/06/2018

End date: 27/06/2018

Organising entity: IDAEA-CSIC/ICRA

City organizing entity: Barcelona, Catalonia, Spain



With external admission assessment committee: Yes
Manuel Garcia Vara; Nicola Montemurro; Sandra Pérez.

- 103** **Title of the work:** Determination of pharmaceuticals in lettuce leaves using qtof lc-ms/ms system
Name of the conference: International Conference on Environmental & Food monitoring (ISEAC-40)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
- Corresponding author:** No
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 19/06/2018
End date: 22/06/2018
Organising entity: IAEAC **Type of entity:** Associations and Groups
City organizing entity: Santaigo de Compostela, Galicia, Spain
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
- Adriana Juan Polo; Nicola Montemurro; Sandra Perez Solsona.
- 104** **Title of the work:** Fate Of 13 Relevant Wastewater-Derived Pollutants In Lettuce Tissues And Soil After Irrigation With Artificial And Real Reclaimed Water
Name of the conference: International Conference on Environmental & Food monitoring (ISEAC-40)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
- Corresponding author:** Yes
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 19/06/2018
End date: 22/06/2018
Organising entity: IAEAC **Type of entity:** Associations and Groups
City organizing entity: Santaigo de Compostela, Galicia, Spain
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
- Nicola Montemurro; Damià Barcelò; Sandra Perez Solsona.
- 105** **Title of the work:** Selection and validation of analytical method for determination of Pharmaceutical in fish muscle based in quechers extraction
Name of the conference: International Conference on Environmental & Food monitoring (ISEAC-40)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
- Corresponding author:** No
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 19/06/2018
End date: 22/06/2018
Organising entity: IAEAC **Type of entity:** Associations and Groups
City organizing entity: Santaigo de Compostela, Galicia, Spain
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
- Juan Manuel Peña Herrera; Nicola Montemurro; Damià Barcelò; Sandra Perez Solsona.



- 106** **Title of the work:** Accumulation and fate of 12 human drugs through the soil-root-leaf system
Name of the conference: SETAC ROME 2018
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: Yes
City of event: Rome, Lazio, Italy
Date of event: 13/05/2018
End date: 17/05/2018
Organising entity: Society of Environmental Toxicology and Chemistry (SETAC)
Type of entity: Associations and Groups
City organizing entity: Rome, Lazio, Italy
Publication in conference proceedings: Yes
With external admission assessment committee: Yes
Nicola Montemurro; Cristina Postigo Rebollo; Sandra Perez Solsona; Damià Barcelò.
- 107** **Title of the work:** Degradation of a polymer probe exposed to different wastewater environments: Linking chemical transformations and potential microbial consumers
Name of the conference: SETAC ROME 2018
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Rome, Lazio, Italy
Date of event: 13/05/2018
End date: 17/05/2018
Organising entity: Society of Environmental Toxicology and Chemistry (SETAC)
Type of entity: Associations and Groups
City organizing entity: Rome, Lazio, Italy
Publication in conference proceedings: Yes
With external admission assessment committee: Yes
Antoni Ginebreda; Maria Vila Costa; Bozo Zonja; Nicola Montemurro; Sandra Perez Solsona; Antoni Martínez-Varela; Daniel Rivas; Damià Barcelò.
- 108** **Title of the work:** Occurrence of pharmaceuticals and their metabolites in *Euthynnus alletteratus* bile
Name of the conference: SETAC ROME 2018
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Rome, Lazio, Italy
Date of event: 13/05/2018
End date: 17/05/2018
Organising entity: Society of Environmental Toxicology and Chemistry (SETAC)
Type of entity: Associations and Groups
City organizing entity: Rome, Lazio, Italy
Publication in conference proceedings: Yes
With external admission assessment committee: Yes
Juan Manuel Peña Herrera; Nicola Montemurro; David Nos; Joan Navarro; Monteserrat Solé; Damià Barcelò; Sandra Perez Solsona.



- 109** **Title of the work:** Screening of wastewater-borne pharmaceuticals and their phototransformation products in rivers
Name of the conference: SETAC ROME 2018
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Rome, Lazio, Italy
Date of event: 13/05/2018
End date: 17/05/2018
Organising entity: Society of Environmental Toxicology and Chemistry (SETAC)
Type of entity: Associations and Groups
City organizing entity: Rome, Lazio, Italy
Publication in conference proceedings: Yes
With external admission assessment committee: Yes
Sandra Perez Solsona; Damià Barcelò; Nicola Montemurro.
- 110** **Title of the work:** LC-MS/MS analysis of emerging contaminants in wastewater effluents and fish muscle using SWATH acquisition with X500R QTOF system
Name of the conference: Ultimos Avances en LC/MS/MS para Superar Nuevos Retos Analíticos en Alimentos y Aguas
Type of event: Seminar
Geographical area: National
Type of participation: Participatory - invited/keynote talk
Reasons for participation: Upon invitation
Corresponding author: Yes
City of event: Murcia, Andalusia, Spain
Date of event: 24/04/2018
End date: 24/04/2018
Organising entity: AB Sciex Spain, S.L.
Nicola Montemurro; Juan Manuel Peña Herrera; Manuel Garcia Vara; Sandra Pérez; Damià Barceló.
- 111** **Title of the work:** Detection of pharmaceuticals in lettuce leaves using QToF LC-MS/MS system
Name of the conference: GLOBAQUA workshop: A RECONNAISSANCE OF TRACE ORGANIC COMPOUNDS AND METALS IN GLOBAQUA RIVER BASINS: Effects on ecosystems and risk assessment
Type of event: Conference
Geographical area: Non EU International
Type of participation: 'Participatory - poster
Reasons for participation: Review before acceptance
Corresponding author: Yes
City of event: Barcelona, Catalonia, Spain
Date of event: 09/11/2017
End date: 10/11/2017
Organising entity: Globaqua FP7 project
City organizing entity: Barcelona, Catalonia, Spain
Publication in conference proceedings: Yes
With external admission assessment committee: Yes
Nicola Montemurro; Manuel Garcia Vara; Adriana Juan; Sandra Perez Solsona; Damià Barcelò.
- 112** **Title of the work:** Plant uptake of drugs in lettuce: A look into the soil-root-leaf system
Name of the conference: GLOBAQUA workshop: A RECONNAISSANCE OF TRACE ORGANIC COMPOUNDS AND METALS IN GLOBAQUA RIVER BASINS: Effects on ecosystems and risk assessment
Type of event: Conference
Geographical area: Non EU International



Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 09/11/2017

End date: 10/11/2017

Organising entity: Globaqua FP7 project

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

Reasons for participation: Review before acceptance

With external admission assessment committee: Yes

Nicola Montemurro; Cristina Postigo Rebollo; Antonio Lonigro; Sandra Perez Solsona; Damià Barcelò.

113 Title of the work: Screening of pharmaceuticals in fish muscle from European Rivers using liquid chromatography mass spectrometry

Name of the conference: GLOBAQUA workshop: A RECONNAISSANCE OF TRACE ORGANIC COMPOUNDS AND METALS IN GLOBAQUA RIVER BASINS: Effects on ecosystems and risk assessment

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Non EU International

Reasons for participation: Review before acceptance

City of event: Barcelona, Catalonia, Spain

Date of event: 09/11/2017

End date: 10/11/2017

Organising entity: Globaqua FP7 project

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Juan Manuel Peña Herrera; Nicola Montemurro; Sandra Perez Solsona; Damià Barcelò.

114 Title of the work: Development and optimization of new methodology for the extraction and analysis of pharmaceuticals in fish muscle

Name of the conference: XVII Congreso Colombiano de Quimica

Type of event: Conference

Type of participation: Participatory - oral communication

Geographical area: Non EU International

Reasons for participation: Review before acceptance

City of event: Bucaramanga, Colombia

Date of event: 25/10/2017

End date: 27/10/2017

Organising entity: Asociacion Quimica Colombiana

Type of entity: Associations and Groups

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Juan Manuel Peña Herrera; Nicola Montemurro; Sandra Perez Solsona; Damià Barcelò.

115 Title of the work: ACCUMULATION OF PHARMACEUTICALLY ACTIVE COMPOUNDS THROUGH THE SOIL-ROOT-LEAF SYSTEM

Name of the conference: 15as Jornadas de Analisis Instrumental - 15th Instrumental Analysis Conference

Type of event: Conference

Type of participation: Participatory - oral communication

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 03/10/2017

End date: 05/10/2017



Organising entity: Expoquimia 2017

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

Type of entity: Associations and Groups

With external admission assessment committee:
Yes

Nicola Montemurro; Cristina Postigo Rebollo; Antonio Lonigro; Sandra Perez Solsona; Damià Barcelò.

116 Title of the work: SUSPECT SCREENING OF PHARMACEUTICALS IN LETTUCE LEAVES USING QTOF LC-MS/MS SYSTEM

Name of the conference: 15as Jornadas de Analisis Instrumental - 15th Instrumental Analysis Conference

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 03/10/2017

End date: 05/10/2017

Organising entity: Expoquimia 2017

Type of entity: Associations and Groups

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Nicola Montemurro; Cristina Postigo Rebollo; Antonio Lonigro; Sandra Perez Solsona; Damià Barcelò.

117 Title of the work: Target and suspect screening of pharmaceuticals in lettuce tissues using low resolution and high resolution mass spectrometry

Name of the conference: VIII Meeting of Spanish Mass Spectrometry Society (VIII-SEEM)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 12/06/2017

End date: 14/06/2017

Organising entity: Sociedad española de espectrometría de masas (SEEM)

Type of entity: Associations and Groups

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

Nicola Montemurro; Cristina Postigo Rebollo; Antonio Lonigro; Sandra Perez Solsona; Damià Barcelò.

118 Title of the work: A multi-residue method to determine the presence of pharmaceuticals in lettuce irrigated with treated wastewater

Name of the conference: NET-SCARCE International Conference RIVERS UNDER WATER SCARCITY: Threats and Challenges

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 15/11/2016

End date: 16/11/2016

Organising entity: Water and Soil Research Group of the Department of Environmental Chemistry of

Type of entity: Public Research Body



Institute of Environmental Assessment and Water Research (IDAEA-CSIC)

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

Nicola Montemurro; Cristina Postigo Rebollo; Antonio Lonigro; Sandra Perez Solsona; Damià Barcelò.

119 Title of the work: Soil and plant uptake of pharmaceuticals: analytical determination
Name of the conference: XVI Scientific Meeting of the Spanish Society of Chromatography and Related Techniques - SECyTA 2016 - International Conference

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Sevilla, Andalusia, Spain

Date of event: 02/11/2016

End date: 04/11/2016

Organising entity: Sociedad Española de Cromatografía y Técnicas Afines (SECyTA)

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Nicola Montemurro; Cristina Postigo Rebollo; Antonio Lonigro; Sandra Perez Solsona; Damià Barcelò.

120 Title of the work: Uptake of pharmaceuticals by crops grown under greenhouse conditions
Name of the conference: 12th Annual LC/MS/MS Workshop on Environmental Applications and Food Safety - International Conference

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 05/07/2016

End date: 06/07/2016

Organising entity: Consejo Superior de Investigaciones Científicas

Type of entity: Public Research Body

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Nicola Montemurro; Cristina Postigo Rebollo; Antonio Lonigro; Sandra Perez Solsona; Damià Barcelò.

121 Title of the work: Microbial quality of treated wastewater for agricultural reuse in Apulia region (Italy)
Name of the conference: International Conference on "Modern technologies, strategies and tools for sustainable irrigation management and governance in Mediterranean agriculture (IrriMed 2015)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Valenzano (Bari), Puglia, Italy

Date of event: 23/09/2015

End date: 25/09/2015

Organising entity: Istituto di Scienze delle Produzioni Alimentari del CNR (CNR-ISPA)

Type of entity: Public Research Body

City organizing entity: Bari, Puglia, Italy

Publication in conference proceedings: Yes



With external admission assessment committee:
Yes

Nicola Montemurro; Vita Lacasella; Antonio Lonigro.

122 Title of the work: Irrigazione con acque reflue depurate sul suolo e sulle colture orticole in successione

Name of the conference: L'irrigazione a 360°: alla scoperta dei dati scientifici sull'irrigazione

Type of event: Workshop

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Milano, Lombardia, Italy

Date of event: 07/07/2015

End date: 07/07/2015

Organising entity: EXPO Milano 2015

City organizing entity: Milano, Lombardia, Italy

Publication in conference proceedings: Yes

Geographical area: Non EU International

Reasons for participation: Review before acceptance

With external admission assessment committee:
Yes

Nicola Montemurro; Antonio Lonigro.

123 Title of the work: Apporto di nutrienti al suolo ed alle colture orticole irrigate con acque reflue urbane depurate (Progetto "In.Te.R.R.A.")

Name of the conference: ECOMONDO 18a Fiera Internazionale del Recupero di Materia ed Energia e dello Sviluppo Sostenibile

Type of event: Conference

Type of participation: Participatory - poster

City of event: Rimini, Emilia-Romagna, Italy

Date of event: 05/11/2014

End date: 08/11/2014

Organising entity: ECOMONDO 2014

City organizing entity: Rimini, Emilia-Romagna, Italy

Publication in conference proceedings: Yes

Geographical area: Non EU International

Reasons for participation: Review before acceptance

With external admission assessment committee:
Yes

Nicola Montemurro; Pietro Rubino; Mario Alberto Mastro; Antonio Lonigro.

124 Title of the work: Colture orticole irrigate con acque reflue urbane depurate: aspetti microbiologici e parassitologici (PON In.Te.R.R.A.)

Name of the conference: ECOMONDO 18a Fiera Internazionale del Recupero di Materia ed Energia e dello Sviluppo Sostenibile

Type of event: Conference

Type of participation: Participatory - poster

City of event: Rimini, Emilia-Romagna, Italy

Date of event: 05/11/2014

End date: 08/11/2014

Organising entity: ECOMONDO 2014

City organizing entity: Rimini, Emilia-Romagna, Italy

Publication in conference proceedings: Yes

Geographical area: Non EU International

Reasons for participation: Review before acceptance

With external admission assessment committee:
Yes

Vita Lacasella; Annunziata Giangaspero; Nicola Montemurro; Antonio Lonigro.

Other achievements

Stays in public or private R&D centres

Entity: INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA - Consejo Superior de Investigaciones Científicas (IDAEA-CSIC)

City of entity: Barcelona, Catalonia, Spain

Primary (UNESCO code): 230100 - Analytical chemistry

Secondary (UNESCO code): 230110 - Mass spectroscopy

Start-End date: 01/10/2015 - 30/04/2017

Duration: 1 year - 7 months

Funding entity: Università degli Studi di Bari Ado Moro (Italy)

Type of entity: University

City funding entity: Bari, Puglia, Italy

Name of programme: Scuola di Dottorato XXIX Ciclo Università degli Studi di Bari

Goals of the stay: Doctorate

Acquired skills developed: Desarrollo de técnicas analíticas para la determinación de contaminantes emergentes en agua y tejidos vegetales

Identify key words: Crop production

Scientific societies and professional associations

- 1 Name of the society:** International Association of Environmental Analytical Chemistry (IAEAC)
Affiliation entity: society/association
City affiliation entity: Lausanne, Switzerland
Start date: 2018
- 2 Name of the society:** Sociedad Española de Cromatografía y Técnicas Afines (SECyTA)
Affiliation entity: society/association
City affiliation entity: Barcelona, Spain
Start date: 2017
- 3 Name of the society:** Sociedad Española de Espectrometría de Masas (SEEM)
Affiliation entity: society/association
City affiliation entity: Barcelona, Spain
Start date: 2017
- 4 Name of the society:** Society of Environmental Toxicology and Chemistry (SETAC)
Affiliation entity: society/association
City affiliation entity: Brussels, Belgium
Start date: 2015