



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.

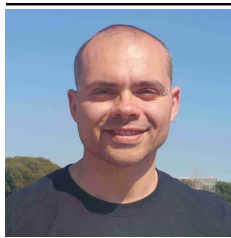
Nicola Montemurro is a biologist and expert in wastewater treatment for its reuse in agriculture. Acquired the Bachelor's Degree in Cellular and Molecular Biology in 2009 and subsequent Master's Degree in Environmental Biology in 2012, both at the University of Bari (Italy), he was selected for a 12-month 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 (Technology and process innovations for irrigations re-use of treated municipal and agro-industrial wastewaters in order to achieve sustainable water resources management). Subsequently, he was admitted to attend the doctorate school in Biodiversity, Agriculture and Environment at the Department of Agricultural and Environmental Sciences (DISAAT) of University of Bari performing microbiological and chemical analysis on irrigation water, wastewater, soil, and crops. As a result, he completed a 15-month pre-doctoral stay at the Institute for Environmental Diagnosis and Water Studies (IDAEA-CSIC) in Barcelona. During the stay at IDAEA-CSIC, he learned the basis of analytical chemistry to achieve the aforementioned study. He learned to use different technologies of mass spectrometry (QQQ, Q-trap, Orbitrap) that, together with different extraction techniques, allowed him to develop methodologies for the determination of different pharmaceutically active compounds in vegetables and soil irrigated with treated wastewater. The main objective of his thesis was to evaluate the presence and fate of organic contaminants in water and soil and potentially availability for plants and the impact on human life. Among his results, during his doctoral thesis, he was able to identify several emerging contaminants of particular interest in lettuce plants irrigated with artificially contaminated water and grown in greenhouses. In April 2017, he defended his PhD thesis in Italy entitled "Effects of treated municipal wastewater for agricultural reuse". He is currently working as a postdoctoral researcher at the IDAEA-CSIC of Barcelona to assess the fate of emerging contaminants in crops and their potential risks for the environment and human health. His research focuses on the presence of new emerging contaminants and their metabolites/Transformation products in different matrices (water, soil, crops, and earthworms). The assessment of the presence and fate of emerging contaminants is based on field studies and laboratory scale experiments in controlled greenhouses. He is constantly involved in development of new analytical methods based on liquid chromatography coupled to mass spectrometry of low and high resolution such as Q-Exactive Orbitrap and Hybrid QToF systems. Recently, he has focused his efforts on the development of new analytical methods for emerging organic pollutants and its transformation products in the environment, using the latest advances in HRMS combining target and non-target analysis to assess the presence of contaminants integrally. He applied these methods to study the transport, fate and removal in biota (fish and plants), always considering the human exposure as a key factor. In the last years, he has held an important collaboration with SCIEX becoming expert in the use of their hybrid-QTOF system, allowing him to make a series of important collaborations that have produced different scientific papers, some of which are still pending.



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.

Supervisor of two doctoral theses (in progress). Supervisor of three Master's degrees presented in Spain from 2018 onwards. Trainer of several young researchers among doctoral students, MCs and BCs students, and Erasmus students. 17 publications in international journals and 2 book chapters, cited 52 times and 60 co-authors. H Index of 4. Editor of 1 book (in process, March 2020). 32 months of post-doctoral stay (5 free) at IDAEA-CSIC in Barcelona, Spain. Peer reviewer for Science of Total Environment and Ecotoxicology journals. He presented his work in more than 17 conferences, both national and international, including invited talks. He is currently involved in 5 EU projects and 1 Spanish National project.



Nicola Montemurro

Surname(s): Montemurro
Name: Nicola
ORCID: 0000-0002-7496-203X
ScopusID: 57193687190
Date of birth: 06/01/1979
Gender: Male
Nationality: Italy
Country of birth: Italy
Aut. region/reg. of birth: Puglia
City of birth: Bari
Email: nmoqam@cid.csic.es
Personal web page: <http://orcid.org/0000-0002-7496-203X>

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: Quimica ambiental, Centro de Investigación y Desarrollo
Professional category: G1 **Educational Management (Yes/No):** No
Start date: 08/02/2018
Type of contract: Temporary employment contract **Dedication regime:** Full time

Primary (UNESCO code): 230100 - Analytical chemistry
Secondary (UNESCO code): 310100 - Agricultural chemistry
Tertiary (UNESCO code): 320901 - Analysis of pharmaceuticals

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).

Identify key words: Natural sciences and health sciences

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: G1 **Educational Management (Yes/No):** No
Start date: 01/10/2017
Type of contract: Temporary employment contract **Dedication regime:** Full time

**C****V****n**

CURRÍCULUM VITAE NORMALIZADO

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Primary (UNESCO code): 230100 - Analytical chemistry

Secondary (UNESCO code): 320800 - Pharmacodynamics

Tertiary (UNESCO code): 241400 - Microbiology

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.

Identify key words: Natural sciences and health sciences



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



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: "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

2 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

3 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

Type of entity: Associations and Groups



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

Duration in hours: 40 hours

Start-End date: 15/09/2019 - 20/09/2019

Length: 6 days

Aims of the stay: Post-doctoral

4 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

5 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

6 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

7 Title of course/seminar: "EXCEL 2010 AVANZADO ON LINE"

Goals of the course/seminar: Advanced course of EXCEL 2010 Online

City organizing entity: Barcelona, 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

8 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: Barcelona, 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

9 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 SCIEEX 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

10 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

11 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

12 Title of course/seminar: "Desastres nucleares, hambre oculta o el legado de la gasolina con plomo: ejemplos de aplicaciones de la espectrometría 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

13 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

14 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



- 15** **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
- 16** **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
- 17** **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
- 18** **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
- 19** **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
- 20** **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
- 21** **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

22 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

23 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

24 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

25 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

26 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



- 27** **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
- 28** **Title of course/seminar:** Gestión 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
- 29** **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
- 30** **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
- 31** **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
- 32** **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

33 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

34 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

35 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

36 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: Universita degli Studi di Bari ALDO MORO (ITALY) **Type of entity:** University

Faculty, institute or centre: Facultad de Agronomia

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.



- 37** **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
- 38** **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
- 39** **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
- 40** **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
- 41** **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
- 42** **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

Name of the course: Contaminants orgànics en ecosistemes aquàtics i el seu risc ambiental (250674)

University degree: Master Universitari en Enginyeria Ambiental

Start date: 25/09/2019

End date: 15/01/2020

End date: 16/10/2019

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

- Project title:** Aplicación de HRMS para la determinación de la presencia de compuesto orgánicos de alta y media polaridad y sus productos de fototransformación en 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: 27/01/2023
- Project title:** Determinación de la presencia, traslocación y metabolismo de CECs en cultivos

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: Francesc Labad Roig

Obtained qualification: PhD thesis

Date of reading: 27/01/2023



- 3** **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: 26/07/2019
- 4** **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
- 5** **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
- 6** **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:** Training of visiting student at IDAEA-CSIC: Joel Joedicke, BSc student, Oct 2019-Jan 2020
End date: 31/01/2020
- 2** **Description of the activity:** Training of visiting student at IDAEA-CSIC: Rayana El Manasfi, PhD student, Oct 2018-Dec 2019
End date: 27/12/2019



- 3 Description of the activity:** Training of visiting student at IDAEA-CSIC: Yvonne Bigott, PhD student, Oct 2018-Aug 2019
End date: 30/08/2019
- 4 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
- 5 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
- 6 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
- 7 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
- 8 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:** 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, Innovación y Universidades **Type of entity:** State agency
Start-End date: 01/01/2019 - 30/09/2023
Total amount: 162.140 €



- 2** **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 €
- 3** **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
- 4** **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 €
- 5** **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....): Damià Barcelò
Nº of researchers: 55
Start-End date: 01/02/2014 - 31/01/2019
Total amount: 899.177 €
- 6** **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
Nº of researchers: 14

**Funding entity or bodies:**

PON Ricerca e Competitività 2007-2013

City funding entity: Rome, Lazio, Italy**Start-End date:** 01/10/2011 - 30/09/2015**Total amount:** 681.000 €**Type of entity:** State agency

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Patricia Palma; Sofia Fialho; Ana Lima; Maria Helena Novais; Maria João Costa; Nicola Montemurro; Sandra Pérez; Miren Lopez de Alda. Pharmaceuticals in a Mediterranean Basin: The influence of temporal and hydrological patterns in environmental risk assessment (accepted Dec 2019). *Science of the Total Environment*. 709, Elsevier, 20/03/2020. ISSN 00489697
DOI: DOI: 10.1016/j.scitotenv.2019.136205
Type of production: Scientific paper
Position of signature: 6
Total no. authors: 8
Relevant publication: Yes

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 2** Sara Dallarés; Priscila Dourado; Ignasi Sanahuja; Mikhail Slovyev; Enric Gisbert; Nicola Montemurro; Amparo Torreblanca; Mercedes Blazquez; Montserrat Solé. Multibiomarker approach to fipronil exposure in the fish *Dicentrarchus labrax* under two temperature regimes. *Aquatic Toxicology*. 219, (Spain): Elsevier, 28/02/2020. ISSN 0166445X
DOI: DOI: 10.1016/j.aquatox.2019.105378
Type of production: Scientific paper
Position of signature: 6
Total no. authors: 9
Relevant publication: Yes

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 3** Juan Manuel Peña-Herrera; Nicola Montemurro; Damià Barceló; Sandra Pérez. Combining quantitative and qualitative approaches using Sequential Window Acquisition of All Theoretical Fragment-Ion methodology for the detection of pharmaceuticals in river fish extracted using a sample miniaturized method (Accepted Jan 2020). *Journal of Chromatography A*. Elsevier, 2020.
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 4
Relevant publication: Yes

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 4** Manuel J. Gallardo-Altamirano; Paula Maza-Márquez; Nicola Montemurro; Belen Rodelas; Francisco Osorio; Clementina 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, 30/10/2019. ISSN 00456535
DOI: DOI: 10.1016/j.chemosphere.2019.06.017



Type of production: Scientific paper
Position of signature: 3

Total no. authors: 6

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

- 5** Laia Sabater-Liesa; Nicola Montemurro; Carme Font; Juan David González-Trujillo; Natalia Mingorance; Sandra Pérez; Damià Barceló; Antoni Ginebreda. 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, 15/07/2019. ISSN 00489697

DOI: DOI: 10.1016/j.scitotenv.2019.04.178

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 8

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Citations: 2

- 6** Juan Manuel Peña-Herrera; Nicola Montemurro; Damià Barceló; Sandra 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, 01/07/2019. ISSN 00399140

DOI: DOI: 10.1016/j.talanta.2019.01.119

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

- 7** Isabel Pérez-Coyotl; Marcela Galar-Martinez; Sandra García-Medina; Leobardo Gómez-Oliván; Eloy Gasca-Pérez; Elizdath Martínez; Hariz Islas-Flores; Ricardo Perez-Pasten; Damià Barceló; Miren Lopez De Alda; Sandra Pérez; Maria Pau Serra-Roig; Nicola Montemurro; Juan Manuel Peña-Herrera; Livier Sánchez. 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, 30/04/2019. ISSN 02697491

DOI: DOI: 10.1016/j.envpol.2019.04.095

Type of production: Scientific paper

Position of signature: 13

Total no. authors: 15

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Citations: 1

- 8** Nicola Montemurro; Cristina Postigo; Serge Chiròn; Damià Barceló; Sandra Perèz. Analysis and fate of 14 relevant wastewater-derived organic pollutants in long-term exposed soil. *Analytical and Bioanalytical Chemistry*. 411, pp. 2687 - 2696. Springer, 01/04/2019.

DOI: <https://doi.org/10.1007/s00216-019-01715-3>

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes



- 9** Sara Dallarés; Nicola Montemurro; Sandra Pérez; Neus Rodríguez-Sanchez; Montserrat 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. (Spain): Taylor & Francis Group, 17/01/2019. ISSN 15287394
DOI: DOI: 10.1080/15287394.2018.1562393
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 5
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Citations: 1
- 10** Nicola Montemurro; Cristina Postigo Rebollo; Antonio Lonigro; Sandra Perez Solsona; Damià Barcelò Cullers. 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. ISSN 16182642
DOI: 10.1007/s00216-017-0363-1
CODEN: ABCNB
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 5
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Citations: 11
- 11** Antonio Lonigro; Nicola Montemurro; Giuseppe 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, 2017. ISSN 00489697
DOI: 10.1016/j.scitotenv.2017.01.083
CODEN: STEVA
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 3
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Citations: 4
- 12** Antonio Lonigro; Pietro Rubino; Vita Lacasella; Nicola Montemurro. Faecal pollution on vegetables and soil drip irrigated with treated municipal wastewaters. *Agricultural Water Management*. 174, pp. 66 - 73. Elsevier, 2016. ISSN 03783774
DOI: 10.1016/j.agwat.2016.02.001
CODEN: AWMAD
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 4
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Citations: 15



- 13** Antonio Lonigro; Nicola Montemurro; Pietro Rubino; Pompilio Vergine; Alfieri 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. Gh. Asachi Technical University of Iasi, 2015. ISSN 15829596
Type of production: Scientific paper **Format:** Journal
Position of signature: 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5
Source of citations: SCOPUS **Citations:** 15
Relevant publication: Yes
- 14** Rayana Manasfi; Monica Brienza; Nicola Montemurro; Sandra Pérez; Serge Chiron. Biodegradation of fluoroquinolone antibiotics and the climbazole fungicide by Trichoderma species (Accepted Jan 2020). Environmental Science and Pollution Research. Elsevier, 2020.
Type of production: Scientific paper **Format:** Journal
Position of signature: 3 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5 **Corresponding author:** No
- 15** Nicola Montemurro; Giovanna Cucci; Mario Alberto Mastro; Antonio Lonigro. The nitrogen role in vegetables irrigated with treated municipal wastewater. Agronomy Research. 15 - 5, pp. 2012 - 2025. Estonian Agricultural University, 2017. ISSN 1406894X
DOI: 10.15159/AR.17.044
Type of production: Scientific paper **Format:** Journal
Position of signature: 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 4
Source of citations: SCOPUS **Citations:** 1
- 16** Elisabetta Bonerba; Edmondo Ceci; Nicola Montemurro; Giuseppina Tantillo; Angela di Pinto; Gaetano Vitale Celano; Giancarlo 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. PagePress Publications, 2014. ISSN 22397132
DOI: 10.4081/ijfs.2014.1647
Type of production: Scientific paper **Format:** Journal
Position of signature: 3 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 7 **Corresponding author:** No
Source of citations: SCOPUS **Citations:** 1
- 17** Sara Gallego; David Nos; Juan-Carlos Sanchez Hernandez; Nicola Montemurro; Sandra Pérez; Serge Chiron; Montserrat Solé; Fabrice Martin Laurant. Fate of valsartan in soil and its ecotoxicological impact on soil microorganisms. The role of the earthworm (carboxyl)-esterases - In preparation 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 18** Sara Gallego; Monica Brienza; Nicola Montemurro; Damià Barcelò; Sandra Pérez; Serge Chiron; Fabrice Martin Laurant. Lab assessment of the fate of wastewater borne contaminants in soil and lettuce and their ecotoxicological impact on soil microorganisms - In preparation 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No



- 19** Jordi Lladò; Nicola Montemurro; Sandra Perèz. Synthesis of carbon xerogels and mesopore influences on the adsorption of pharmaceutical and ICM pollutants - In preparation 2020. Water Research. Elsevier,
Type of production: Scientific paper **Format:** Journal
Position of signature: 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 3 **Corresponding author:** No
- 20** David Nos; Juan-Carlos Sanchez Hernandez; Nicola Montemurro; Sandra Perèz; Montserrat Solé. The role of earthworms in soil biochemistry: effects of valsartan on different enzymatic biomarkers - In preparation 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 21** 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
- 22** N. Montemurro; M. García-Vara; J.M. Peña-Herrera; J. Llada; D. Barcela; 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: Book chapter **Format:** Journal
Position of signature: 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 6 **Corresponding author:** No
Source of citations: SCOPUS **Citations:** 1

Works submitted to national or international conferences

- 1** **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 **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

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

- 2** **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
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
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.

- 3** **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
Type of participation: Participatory - oral communication
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
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.

- 4** **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
Type of participation: Participatory - oral communication
Geographical area: European Union
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.

5 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.

6 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.

7 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.

8 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 Khalfef; Djamel Eddine Benouareth; Choayb Bounar; Nicola Montemurro; Sandra Perez Solsona; Damià Barceló.

9 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.

10 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)

Type of entity: University Centres and Structures and Associated Bodies



City organizing entity: Seoul, South Korea,

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Sandra Perez Solsona; Enelton Fagnani; Nicola Montemurro.

11 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.

12 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.

13 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.

- 14** **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.

- 15** **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.

- 16** **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 **Geographical area:** European Union
- Type of participation:** 'Participatory - poster **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.

17 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

Geographical area: European Union

Type of participation: 'Participatory - poster

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.

18 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

Geographical area: European Union

Type of participation: 'Participatory - poster

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.

19 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

Geographical area: European Union

Type of participation: 'Participatory - poster

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.

- 20** **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

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

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

- 21** **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

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

Enelton Fagnani; Nicola Montemurro; Sandra Perez Solsona.

- 22** **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

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

Anastasia Orfanoti; Nicola Montemurro; Nikos Thomaidis; Sandra Perez Solsona.

23 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

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

Sandra Perez Solsona; Enelton Fagnani; Nicola Montemurro.

24 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

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

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

25 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

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

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

With external admission assessment committee: Yes

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

26 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

Type of participation: Participatory - oral communication

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

City organizing entity: Thessaloniki, Greece

Publication in conference proceedings: Yes

Geographical area: European Union

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

With external admission assessment committee: Yes

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

27 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

Type of participation: Participatory - poster

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

Geographical area: European Union

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

With external admission assessment committee: Yes

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

28 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
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

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.

29 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.

30 Title of the work: Determination of pharmaceuticals in biota using USE, d-SPE clean-up and SWATH/MS 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.

31 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.

32 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.

33 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 Barcelò; Sandra Peréz.

34 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

Reasons for participation: Upon invitation

Type of participation: Participatory - invited/keynote talk

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.

35 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.

36 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.

37 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

Geographical area: Non EU International

Type of participation: Participatory - oral communication

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

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

- 38** **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
With external admission assessment committee:
Yes
Geographical area: Non EU International
Reasons for participation: Review before acceptance
- Sandra Perez Solsona; Manuel Garcia Vara; Damià Barcelò; Nicola Montemurro.

- 39** **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
With external admission assessment committee:
Yes
Geographical area: Non EU International
Reasons for participation: Review before acceptance
- Juan Manuel Peña Herrera; Nicola Montemurro; Antoni Ginebreda; Mira Petrovic; Sandra Perez Solsona; Damià Barcelò.

- 40** **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
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)
With external admission assessment committee:
Yes
Geographical area: National
Type of entity: Associations and Groups



With external admission assessment committee: Yes

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

41 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.

42 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.

43 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.

44 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.

45 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.

46 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.

47 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.

48 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.

49 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.

50 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.

51 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.

52 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.

53 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.

54 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

Geographical area: Non EU International

Type of participation: Participatory - oral communication

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)

City organizing entity: Rome, Lazio, Italy

Publication in conference proceedings: Yes

Type of entity: Associations and Groups

With external admission assessment committee: Yes

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

55 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

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)

City organizing entity: Rome, Lazio, Italy

Publication in conference proceedings: Yes

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

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.

56 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

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)

City organizing entity: Rome, Lazio, Italy

Publication in conference proceedings: Yes

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Juan Manuel Peña Herrera; Nicola Montemurro; David Nos; Joan Navarro; Monteserrat Solé; Damià Barcelò; Sandra Perez Solsona.

57 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

Corresponding author: No

City of event: Rome, Lazio, Italy

Date of event: 13/05/2018

Geographical area: Non EU International

Reasons for participation: Review before acceptance



End date: 17/05/2018

Organising entity: Society of Environmental Toxicology and Chemistry (SETAC)

City organizing entity: Rome, Lazio, Italy

Publication in conference proceedings: Yes

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Sandra Perez Solsona; Damià Barcelò; Nicola Montemurro.

58 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.

59 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.

60 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

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

- 61 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.

- 62 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.

- 63 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
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.

- 64 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.

65 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.

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

Type of entity: Public Research Body

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

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

67 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

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)

With external admission assessment committee: Yes

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

Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

68 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

Type of participation: Participatory - oral communication

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

City organizing entity: Barcelona, Catalonia, Spain

Publication in conference proceedings: Yes

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

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Type of entity: Public Research Body

With external admission assessment committee: Yes

69 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

Type of participation: Participatory - poster

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)

City organizing entity: Bari, Puglia, Italy

Publication in conference proceedings: Yes

Nicola Montemurro; Vita Lacasella; Antonio Lonigro.

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Type of entity: Public Research Body

With external admission assessment committee: Yes

70 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

Geographical area: Non EU International

Reasons for participation: Review before acceptance



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

With external admission assessment committee:
Yes

Nicola Montemurro; Antonio Lonigro.

71 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

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

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

With external admission assessment committee:
Yes

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

72 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

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

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

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: Universita 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 Universita 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