



M.-Pilar Marco Colás

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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.

PhD in Pharmacy by the UB (1990). Postdoctoral researcher at UC Davis (California, US, 1990-1993). Tenured Staff Scientist at the Spanish Council for Scientific Research (CSIC) since 1996 and Professor of Research at the same institution since 2008. Head of Nanobiotechnology for Diagnostics (Nb4D) group (previously Applied Molecular Receptors (AMR) group), since 1996. Scientific Director of the Custom Antibody Service (CAbS), nowadays U2 of the ICTS NANBIOSIS, since 2009. Head of the Chemical and Biomolecular Nanotechnology Department of the Advanced Chemical Research Institute of Catalonia (IQAC) of the CSIC (2006-2011). Vicedirector of the IQAC-CSIC (2017-2020). From year 2011, she is the Coordinator of the Nanomedicine Research Program of the Networking Research Center for Bioengineering, Biomaterials and Nanomedicine (CIBER-BBN). She belongs to Scientific Societies (i.e. ACS) and is member of several Scientific Advisory Boards (i.e. Bionand, University of Vienna, etc.), collaborates on the evaluation of proposals from several funding agencies (AES, EC, DEVA, etc.) and is acting regularly as referee of international relevant journals (Anal. Chem., Anal. Chim. Acta, Biosens. Bioelectron., etc). Coordinator of the "Diagnosis and Containment" and "Therapy and Vaccines" areas of the PTI (interdisciplinary thematic platform) Global Health of CSIC, addressing scientific projects and issues related to COVID-19 pandemic (2020). Coordinator of the Strategic Line on Diagnostics of the PTI+ Global Health since 2021.

She has a long tracking experience on the development of antibodies against small molecules, the development of antibody-based bioanalytical methods including biosensors for diagnostic applications in the clinical, food and environmental fields. For this purpose, she has developed a multidisciplinary scientific activity at the interface of different disciplines including chemistry, immunochemistry, biochemistry, material sciences, micro(nano)electronics and nanobiotechnology. Interdisciplinary collaborations with European partners from different research institutions, private companies and other stakeholders have been crucial to achieve the most important achievements. Her current research interests are focused on the investigation of new strategies and physical transducing principles to develop a new generation of bioanalytical multiplexed platforms for clinical diagnostics and the use of antibodies as therapeutic tools.

She has been principal investigator of an important number of EU (11 as IP and 4 more as team member) and Spanish (>20 as IP) projects, as well as R&D contracts (26) with European and US companies. Her vision has been to accomplish that the results of her research would become useful products for the society. Because this reason, she has signed a significant number of NDAs and MTAs and placed several patents (14, 4 of them active) from which some of them have been licensed (nowadays, 2 are licensed from which, 1 is under exploitation generating royalties). Moreover, 3 more other Exploitation Contracts (not based on patents) are active which also end up on royalties for the organization and the research group.

Because of her research, she has been co-author of 226 publications of international relevance, most of them in Q1(H-index =47). Moreover, she has been training an important number of early stage researchers, being director or co-director of 24 PhD theses, and teaching classes on various Master and PhD programs.



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.

DATOS ACTUALIZADOS A 16/03/2022:

Número de Sexenios de Investigación = 5; último concedido - 01/01/2010-21/12/2015

Numero de Sexenios de transferencia: 1

Número de tesis dirigidas = 26

Total publicaciones = 227

Total publicaciones 2011 - presente = 88

Publicaciones totales in primer cuartil (Q1) desde 2011 = 77

Citas totales = 7102 (Scopus); 9652 (Google Scholar)

Citas durante los 5 últimos años completos (2017-2021): 2104 (Scopus); 3061 (Google Scholar)

Promedio de citas/año durante los últimos 5 años completos (2017-2021) = 421 citas/año (Scopus)

Indice h =48 (Scopus), 53 (Google Scholar)

**M.-Pilar Marco Colás**

Surname(s): **Marco Colás**
Name: **M.-Pilar**
ORCID: **0000-0002-4064-1668**
ScopusID: **56228110900**
ResearcherID: **A-9836-2015**
Date of birth: **17/10/1961**
Gender: **Female**
Nationality: **Spain**
Country of birth: **Spain**
Aut. region/reg. of birth: **Catalonia**
Contact province: **Barcelona**
City of birth: **Berga**
Contact address: **Menendez Pelayo, 18 3-4**
Postcode: **08750**
Contact country: **Spain**
Contact aut. region/reg.: **Catalonia**
Contact city: **Molins de Rei**
Email: **pilar.marco@cid.csic.es**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Department: Surfactants and Nanobiotechnology, INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Professional category: Profesora de Investigación
Start date: 21/07/2008
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 230100 - Analytical chemistry; 230200 - Biochemistry; 230600 - Organic chemistry; 240300 - Biochemistry; 320103 - Clinical microbiology
Performed tasks: Head of the Nanobiotechnology for Diagnostics group Vicedirector of the IQAC-CSIC Coordinator of the Nanomedicina program of the CIBER-BBN
Identify key words: Analytic chemistry; Organic chemistry; Physic chemistry; Molecular design, de novo design; Monoclonal antibodies; Molecular markers and recognition

Employing entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Department: Nanomedicina
Professional category: Investigador Principal
Start date: 01/01/2006
Type of contract: Contrato con CSIC **Dedication regime:** Full time

Previous positions and activities

	Employing entity	Professional category	Start date
1	Consejo Superior de Investigaciones Científicas	Investigador Científico	15/06/2005
2	Centro de Investigación y Desarrollo - Consejo Superior de Investigaciones Científicas	Científico Titular	01/04/1996
3	Centro de Investigación y Desarrollo - Consejo Superior de Investigaciones Científicas	Investigador Contratado	01/12/1992
4	University of Davis, California	Investigador postdoctoral II	01/03/1992
5	University of Davis, California	Becario postdoctoral MEC	01/03/1990
6	University of Davis, California	Investigador postdoctoral I	01/02/1990
7	Centro de Investigación y Desarrollo - Consejo Superior de Investigaciones científicas	Becario FPI	01/01/1986
8	Laboratorios Farmacéuticos Viñas	Técnico Químico Sintético	01/09/1985
9	Institut Català de la Vinya i el Vi	Técnico Analista	01/07/1985
10	Universitat de Barcelona	Estudiante interno	01/10/1981

- 1** **Employing entity:** Consejo Superior de Investigaciones Científicas
Professional category: Investigador Científico
Start-End date: 15/06/2005 - 20/07/2008
Type of entity: State agency
Duration: 2 years - 1 month - 5 days
- 2** **Employing entity:** Centro de Investigación y Desarrollo - Consejo Superior de Investigaciones Científicas
Professional category: Científico Titular
Start-End date: 01/04/1996 - 14/05/2005
Type of entity: State agency
Duration: 9 years - 1 month - 13 days
- 3** **Employing entity:** Centro de Investigación y Desarrollo - Consejo Superior de Investigaciones Científicas
Professional category: Investigador Contratado
Start-End date: 01/12/1992 - 01/04/1996
Type of entity: State agency
- 4** **Employing entity:** University of Davis, California
Professional category: Investigador postdoctoral II
Start-End date: 01/03/1992 - 30/11/1992
Type of entity: University
- 5** **Employing entity:** University of Davis, California
Professional category: Becario postdoctoral MEC
Start-End date: 01/03/1990 - 29/02/1992
Type of entity: University
Duration: 2 years
- 6** **Employing entity:** University of Davis, California
Professional category: Investigador postdoctoral I
Start-End date: 01/02/1990 - 28/02/1990
Type of entity: University
- 7** **Employing entity:** Centro de Investigación y Desarrollo - Consejo Superior de Investigaciones científicas
Professional category: Becario FPI



Start-End date: 01/01/1986 - 31/12/1989

Duration: 4 years

8 **Employing entity:** Laboratorios Farmacéuticos Viñas

Type of entity: Farmaceuticos

Professional category: Técnico Químico Sintético

Start-End date: 01/09/1985 - 31/12/1985

9 **Employing entity:** Institut Català de la Vinya i el Vi

Type of entity: Departament d'Agricultura i Ramaderia i Pesca

Professional category: Técnico Analista

Start-End date: 01/07/1985 - 30/09/1983

10 **Employing entity:** Universitat de Barcelona

Type of entity: University

Professional category: Estudiante interno

Start-End date: 01/10/1981 - 01/05/1982

Duration: 7 months



Education

University education

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

- 1** **University degree:** Tesis de Licenciatura
Name of qualification: Tesis de Licenciatura
Degree awarding entity: Universitat de Barcelona **Type of entity:** University
Date of qualification: 01/07/1985
- 2** **University degree:** Higher degree
Name of qualification: Licenciado en Farmacia
Degree awarding entity: Universitat de Barcelona **Type of entity:** University
Date of qualification: 01/07/1984

Doctorates

Doctorate programme: Doctor en Farmacia
Degree awarding entity: Universitat de Barcelona **Type of entity:** University
Date of degree: 01/02/1990
Thesis title: Estudio sobre la hormona de muda de insectos y de potenciales antagonistas. Obtención a partir de fuentes vegetales y desarrollo de un modelo biológico de estudio.
Obtained qualification: Sobresaliente Cum laude

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1** **Training title:** Experimentación Animal, Nivel C
Awarding entity: MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACION
End date: 09/2006
- 2** **Training title:** Experimentación con Sustancias Radioactivas
Awarding entity: Universidad de California en Davis **Type of entity:** University
End date: 03/1990
- 3** **Training title:** Operador de Instalaciones Radioactivas
Awarding entity: Consejo de Seguridad Nuclear **Type of entity:** Consejo
End date: 11/1988



Teaching experience

General teaching experience

- 1 Name of the course:** Pharmaceutical Nanotechnology
University degree: Master in Nanoscience and Nanotechnology
Start date: 14/01/2019 **End date:** 14/01/2019
Entity: Universitat de Barcelona **Type of entity:** University
- 2 Name of the course:** Nanobiotechnological Perspective for In Vitro Diagnostics
University degree: Licenciado en Ciencias Químicas
Start date: 19/06/2017 **End date:** 21/06/2017
Entity: MATBIO2017: Scientific School on Materials for Biomedical Applications **Type of entity:** Network MATBIO
Faculty, institute or centre: ICMAB-CSIC
- 3 Type of teaching:** International teaching
Name of the course: Immunoassays
University degree: European Master in Quality in Analytical Laboratories (EMQAL)
Start date: 15/04/2013 **End date:** 18/04/2015
Entity: Universidad de Cádiz **Type of entity:** University
- 4 Name of the course:** Técnicas de Immunodiagnostic
University degree: Graduado o Graduada en Bioquímica y Ciencias Biomédicas
Start date: 22/05/2014 **End date:** 22/05/2014
Entity: AETEL
- 5 Name of the course:** Immunoassays
University degree: European Master in Quality in Analytical Laboratories (EMQAL)
Start date: 22/04/2014 **End date:** 29/04/2014
Entity: Universitat de Barcelona **Type of entity:** University
- 6 Name of the course:** Programa de Ingeniería Biomédica y Aplicaciones del Electrónica
University degree: Grado de Ciencias Biomédicas
Start date: 08/05/2013 **End date:** 08/05/2013
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
- 7 Name of the course:** Immunoassays
University degree: European Master in Quality in Analytical Laboratories (EMQAL)
Start date: 12/03/2012 **End date:** 15/03/2012
Entity: Univeristy of the Algarve **Type of entity:** University
- 8 Name of the course:** Experimental Techniques in Biophysics
University degree: Master in Biophysics
Start date: 29/11/2011 **End date:** 29/11/2011
Entity: Universitat de Barcelona **Type of entity:** University



- 9** **Name of the course:** Biohybrid Materials and Biofunctional Surfaces: Recent Progress Towards Improved Diagnostics
University degree: Doctorado de Química
Start date: 02/11/2011 **End date:** 02/11/2011
Entity: Universitat de Barcelona **Type of entity:** University
- 10** **Name of the course:** Immunoassays
University degree: European Master in Quality in Analytical Laboratories (EMQAL)
Start date: 07/03/2011 **End date:** 10/03/2011
Entity: Universitat de Barcelona **Type of entity:** University
- 11** **Name of the course:** Experimental Techniques in Biophysics
University degree: Master in Biophysics
Start date: 22/10/2010 **End date:** 22/10/2010
Entity: Universitat de Barcelona **Type of entity:** University
- 12** **Name of the course:** Experimental Techniques in Biophysics
University degree: Master in Biophysics
Start date: 22/12/2009 **End date:** 22/12/2009
Entity: Universitat de Barcelona **Type of entity:** University
- 13** **Name of the course:** Tecnicas Inmunoquímicas de Analisis
University degree: Licenciado en Ciencias Químicas Modalidad Química Analítica
Start date: 12/2007 **End date:** 12/2007
Entity: Universitat de Barcelona **Type of entity:** University
Faculty, institute or centre: Facultad de Química
- 14** **Name of the course:** Tecnicas Inmunoquímicas de Analisis
University degree: Licenciado en Ciencias Químicas Modalidad Química Analítica
Start date: 11/2006 **End date:** 11/2006
Entity: Universitat de Barcelona **Type of entity:** University
Faculty, institute or centre: Facultad de Química
- 15** **Name of the course:** Tecnicas Inmunoquímicas de Análisis y Biosensores
University degree: Master Experimental de Química Orgánica
Start date: 2004 **End date:** 2005
Entity: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency
- 16** **Name of the course:** Tecnicas Inmunoquímicas de Análisis y Biosensores
University degree: Master Experimental de Química Orgánica
Start date: 2003 **End date:** 2004
Entity: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency
- 17** **Name of the course:** Tecnicas Inmunoquímicas de Analisis
University degree: Doctorado Química Ecológica
Start date: 1999 **End date:** 2000
Entity: Universitat de Barcelona **Type of entity:** University



- 18** **Name of the course:** Tecnicas Inmunoquímicas de Analisis
University degree: Doctorado Química Ecológica
Start date: 1997 **End date:** 1998
Entity: Universitat de Barcelona **Type of entity:** University
- 19** **Name of the course:** Tecnicas Inmunoquímicas de Analisis
University degree: Doctorado Química Ecológica
Start date: 1995 **End date:** 1996
Entity: Universitat de Barcelona **Type of entity:** University
- 20** **Name of the course:** Tecnicas Inmunoquímicas de Analisis
University degree: Doctorado Química Ecológica
Start date: 1993 **End date:** 1994
Entity: Universitat de Barcelona **Type of entity:** University

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Biomarkers and therapeutic targets based on the bacterial Quorum Sensing system
Co-director of thesis: M.-Pilar Marco; Lluisa Vilaplana
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Student: Barbara Rodriguez
Date of reading: 25/03/2022
- 2** **Project title:** An Optofluidic Microwell Structure for the Rapid Determination of the Minimum Inhibitory Concentration (MIC) of Antibiotics
Co-director of thesis: Francesc-Xavier Muñoz; Lluisa Vilaplana; M.-Pilar Marco
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Student: Jiri Dietvorst
Date of reading: 18/03/2022
- 3** **Project title:** Electrochemical immunosensor for pesticide residue detection in food matrices
Type of project: Doctoral thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Student: Klaudia Lilla Kopper
Date of reading: 26/11/2021
- 4** **Project title:** Immunochemical diagnostic strategies based on Quorum Sensing
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Student: Enrique José Montagut Cañete
Date of reading: 04/02/2021
- 5** **Project title:** New Immunochemical Approaches for Multiplexed Diagnostics
Type of project: Doctoral thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Ana Sanchis
Obtained qualification: Excellent Cum Laude
Date of reading: 25/07/2018



- 6** **Project title:** Desarrollo de Técnicas Inmunoquímicas para la Detección de Biomarcadores Cardíacos
Type of project: Doctoral thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Alejandro Hernandez Albors
Obtained qualification: Excellent Cum Laude
Date of reading: 22/09/2017
- 7** **Project title:** Universal diagnostic platforms based on oligonucleotide codified nanoparticles and DNA microarray devices
Type of project: Doctoral thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Marta Broto Avilés
Obtained qualification: Excellent Cum Laude
Date of reading: 18/09/2017
- 8** **Project title:** A multiplexed immunochemical diagnostic approach for cardiovascular disease biomarkers
Type of project: Doctoral thesis
Co-director of thesis: Juan-Pablo Salvador Vico
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Glòria Colom Sanmartí
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 28/01/2016
European doctorate: No
Quality recognition: Yes
- 9** **Project title:** Noves aproximacions a la detecció de microorganismes patògens
Type of project: Doctoral thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Student: Carme Pastells Diez
Date of reading: 19/01/2016
- 10** **Project title:** Estrategias analíticas basadas en el diseño de inmunoreactivos de clase para el control de residuos de quinolonas en leche
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Student: Daniel González Pinacho
Date of reading: 22/06/2015
- 11** **Project title:** Reacciones Adversas a Penicil·lines: Noves Eines per a la Prevenció i el Diagnòstic
Type of project: Doctoral thesis
Co-director of thesis: Roger Galve Bosch
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Sonia Matas Moya
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry
Date of reading: 02/12/2013



- 12** **Project title:** Desenvolupament d'una plataforma universal para la multidetecció mitjançant la codificació espacial de cadenes d'ADN
Type of project: Doctoral thesis
Co-director of thesis: Juan-Pablo Salvador Vico
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Nuria Tort Escribà
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry
Date of reading: 25/11/2013
- 13** **Project title:** Novel Specific Receptor-based Techniques for Antibiotic Residue Analysis
Type of project: Doctoral thesis
Co-director of thesis: Francisco Sánchez Baeza
Entity: Consejo Superior de Investigaciones Científicas
City of entity: Barcelona, Catalonia, Spain
Student: Javier Adrian Izquierdo
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry
Date of reading: 28/09/2012
- 14** **Project title:** Biosensores para la determinación de antibióticos en matrices biológicas de interés en el sector agroalimentario
Type of project: Doctoral thesis
Co-director of thesis: Francisco Sánchez Baeza
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Fatima Fernández Santos
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry
Date of reading: 13/07/2012
- 15** **Project title:** Nuevas metodologías racionales para el desarrollo de aplicaciones de polímeros de huella molecular para la determinación de antibióticos en alimentos
Type of project: Doctoral thesis
Co-director of thesis: Francisco Sánchez Baeza
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Raquel Obregón Núñez
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry
Date of reading: 01/09/2009
- 16** **Project title:** Estudio y Desarrollo de técnicas inmunoquímicas y biosensores para el control de contaminantes agroalimentarios
Type of project: Doctoral thesis
Co-director of thesis: Francisco Sanchez Baeza
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Javier Ramón Azcón
Obtained qualification: Sobresaliente Cum laude



Identify key words: Chemistry

Date of reading: 19/12/2008

- 17** **Project title:** Mètodes Immunoquímics per a la Detecció de Pesticides i Antibiótics que Contenen el Grup Aril Sulfonamida en Aliments
Type of project: Doctoral thesis
Co-director of thesis: Francisco Sánchez Baeza
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Héctor Font Lozano
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry
Date of reading: 29/01/2008
- 18** **Project title:** Estratègies Analítiques per a la Detecció d'Hormones Anabolitzants Basades en l'Ús de Receptors Específics
Type of project: Doctoral thesis
Co-director of thesis: Francisco Sánchez Baeza
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Juan-Pablo Salvador Vico
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry
Date of reading: 26/04/2007
- 19** **Project title:** Preparació de Receptors Moleculars d'Origen Sintètic i Biològic. Desenvolupament d'Aplicacions per l'Anàlisi de Biocides i Tensioactius en Mostres Aquoses
Type of project: Doctoral thesis
Co-director of thesis: Francisco Sánchez Baeza
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Carmen Estevez Alberola
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry
Date of reading: 20/06/2005
- 20** **Project title:** Desarrollo de métodos inmunoquímicos para la determinación de tensioactivos aniónicos
Type of project: Minor thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Javier Ramón Azcón
Date of reading: 01/05/2004
- 21** **Project title:** Mètodes immunoquímics per a la extracció selectiva de contaminants al medi marí
Type of project: Doctoral thesis
Co-director of thesis: Jose M^a Bayona
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Pilar Bou Carrasco
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry



Date of reading: 23/09/2003

22 Project title: Immunochemical Methods for Biomonitoring Chlorophenols as Potential Biomarkers of Exposure

Type of project: Doctoral thesis

Co-director of thesis: Miquel Esteban

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

City of entity: Barcelona, Catalonia, Spain

Student: Mickaela Nichkova

Obtained qualification: Sobresaliente Cum laude

Identify key words: Chemistry

Date of reading: 30/05/2003

23 Project title: Desarrollo de técnicas inmunoquímicas para el análisis de residuos procedentes de la degradación de biocidas en productos relacionados con la industria alimentaria

Type of project: Doctoral thesis

Co-director of thesis: Angel Montaña Pedrero

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

City of entity: Barcelona, Catalonia, Spain

Student: Nuria Sanvicens Diez

Obtained qualification: Sobresaliente Cum laude

Identify key words: Chemistry

Date of reading: 27/07/2002

24 Project title: Desenvolupament de tècniques immunoquímiques per a la determinació de residus d'origen industrial

Type of project: Doctoral thesis

Co-director of thesis: David Andreu

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

City of entity: Barcelona, Catalonia, Spain

Student: Roger Galve Bosch

Obtained qualification: Sobresaliente Cum laude

Identify key words: Organic chemistry

Date of reading: 29/10/2001

25 Project title: Hidroxifuranones Halogenades Citotoxiques Present en les Aigües Potabilitzades: Estudis Sintetics de Mutagenicitat i de Monitoratge

Type of project: Doctoral thesis

Co-director of thesis: Angel Messeguer Peypoch

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

City of entity: Barcelona, Catalonia, Spain

Student: Maia Lloveras Monserrat

Obtained qualification: Sobresaliente Cum laude

Identify key words: Chemistry

Date of reading: 25/10/2001

26 Project title: Desenvolupament de Tècniques Immunoquímiques per a la Determinació de Pesticides en Matrius Ambientals

Type of project: Doctoral thesis

Co-director of thesis: Damià Barceló

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

City of entity: Barcelona, Catalonia, Spain



Student: Berta Ballesteros Serra
Obtained qualification: Sobresaliente Cum laude
Identify key words: Chemistry
Date of reading: 03/05/2001

- 27** **Project title:** Síntesis de haptenos para la producción de anticuerpos de clase contra sulfonilureas
Type of project: Minor thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Hector Font Lozano
Date of reading: 01/02/2001
- 28** **Project title:** Ensayos Inmunológicos para la detección de plaguicidas y compuestos fenólicos: desarrollo, evaluación y aplicación en aguas naturales
Type of project: Doctoral thesis
Co-director of thesis: Damià Barceló
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Anna Oubiña Albaladejo
Obtained qualification: Sobresaliente Cum laude
Identify key words: Biology
Date of reading: 03/11/2000
- 29** **Project title:** Inmunodetección de herbicidas de tipo triazina y sus productos de degradación con anticuerpos policlonales y recombinantes
Type of project: Minor thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Nuria Sanvicens Diez
Date of reading: 01/09/1999
- 30** **Project title:** Obtenció d'Anticossos i Desenvolupament d'un Assaig Immunoquímic per la Determinació del 2,4,6-triclorofenol
Type of project: Minor thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Roger Galve Bosch
Date of reading: 01/12/1998
- 31** **Project title:** Desenvolupament de tècniques immunoquímiques per a l'anàlisi de pesticides de tipus s-triazina en matrius ambientals
Type of project: Minor thesis
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Berta Ballesteros
Date of reading: 01/02/1998
- 32** **Project title:** Estudio de la presencia de PBAN-IR en la hemolinfa de hembras de Spodoptera littoralis y su relación con la producción de feromona sexual
Type of project: Minor thesis
Co-director of thesis: Gemma Fabriás



Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Germán Lázaro Enseñat
Date of reading: 01/01/1997

- 33** **Project title:** Analisis de PBAN en Spodoptera littoralis mediante métodos inmunoquímicos
Type of project: Minor thesis
Co-director of thesis: Gemma Fabriás
Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Student: Francisco Iglesias Sanchez
Date of reading: 01/06/1996

Healthcare experience

Courses and seminars given to healthcare professionals focused on improving medical care

Name of the course: "Técnicas de Inmunodiagnostico" dirigido a Tecnicos Superiores en Laboratorio de Diagnóstico Clínico y Tecnicos Superiores en Anatomía Patológica y Citología
City organizing entity: Madrid, Community of Madrid, Spain
Entity where project took place: Asociación Española **Type of entity:** Associations and Groups de Tecnicos de Laboratorios (AETEL)
City of entity: Madrid, Spain
Nuevas perspectivas nanobiotecnológicas.
Start-End date: 22/05/2014 - 24/05/2014

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:** Quorum Sensing as Potential Biomarker Targets to Diagnose Bacterial Infections (QS-MOTION)
Geographical area: National
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; M.-Teresa Martin
Funding entity or bodies: Fundació La Marató de TV3 **Type of entity:** Foundation
City funding entity: Spain
Type of participation: Principal investigator
Name of the programme: Special call on Infectious Diseases
Code according to the funding entity: TV32018-201825-31
Start-End date: 11/07/2019 - 31/01/2023



Participating entity/entities: Hospital Universitario Vall d'Hebron

Total amount: 227.684,84 €

Sub-project amount: 199.500 €

2 Name of the project: Staphylococcus aureus phenotyping for lower respiratory tract analysis (PHISaureus)

Geographical area: National

Entity where project took place: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)

City of entity: Spain

Name principal investigator (PI, Co-PI....): J.-Pablo Salvador Vico; M.-Pilar Marco Colás

Type of participation: Principal investigator

Name of the programme: Proyectos de Valorización del CIBER-BBN

Start-End date: 01/01/2022 - 31/12/2022

Total amount: 20.000 €

Sub-project amount: 11.000 €

3 Name of the project: Strategic Diagnostic Initiative of the Interdisciplinary Thematic Platform Global Health (PTI+ Global Health)

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Nº of researchers: 21

Type of participation: Co-ordinator

Name of the programme: Recovery and Resilience Mechanism from the European Union

Start-End date: 01/01/2021 - 31/12/2022

Duration: 2 years

Participating entity/entities: CENTRO DE INVESTIGACION DE NANOMATERIALES Y NANOTECNOLOGIA; Centro de Biología Molecular Severo Ochoa; INSTITUTO DE MICROELECTRONICA DE BARCELONA; INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA; Instituto de Biología Integrativa de Sistemas; Instituto de Biología Molecular y Celular del Cáncer de Salamanca; Instituto de Biología y Genética Molecular; Instituto de Carboquímica; Instituto de Ciencia de Materiales de Aragón; Instituto de Ciencia de Materiales de Madrid; Instituto de Ciencia y Tecnología de Polímeros; Instituto de Física Corpuscular; Instituto de Física de Cantabria (IFCA); Instituto de Instrumentación para Imagen Molecular; Instituto de Micro- y Nanotecnología; Instituto de Tecnologías Físicas

Total amount: 2.219.270,76 €

Sub-project amount: 402.128,92 €

4 Name of the project: Proyecto colaborativo para la detección rápida de moléculas de percepción de quórum de la bacteria P. aeruginosa

Entity where project took place: FUNDACIÓ INSTITUT D'INVESTIGACIÓ SANITÀRIA DE LES ILLES BALEARS

City of entity: Spain

Name principal investigator (PI, Co-PI....): Roberto De la Rica Quesada; M.-Pilar Marco Colás; Antonio Oliver

Type of participation: Principal investigator

Name of the programme: Ajudes per Accions Puntuals de Recerca i Desenvolupament

Code according to the funding entity: AP_2021_006

Start-End date: 01/03/2022 - 30/11/2022

Total amount: 9.525 €

Sub-project amount: 3.780 €

**5 Name of the project:** Point-of-care Tests for the rapid detection of SARS-CoV-2 (PoC4CoV)**Geographical area:** National**Degree of contribution:** Coordinator of total project, network or consortium**Entity where project took place:** INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco Colás; Roger Galve Bosch**Funding entity or bodies:**Consejo Superior de Investigaciones Científicas **Type of entity:** State agency**Type of participation:** Co-ordinator**Code according to the funding entity:** 202050E090**Start-End date:** 01/04/2020 - 31/10/2022**Participating entity/entities:** Hospital Universitari Germans Trias i Pujol; Hospital del Mar; INSTITUTO DE MICROELECTRONICA DE BARCELONA; INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA; Instituto de Ciencia de Materiales de Aragón**Total amount:** 819.600 €**Sub-project amount:** 216.000 €**6 Name of the project:** Targeting Quorum Sensing for the Management of Cystic Fibrosis (QS4CF)**Geographical area:** National**Degree of contribution:** Coordinator of total project, network or consortium**Entity where project took place:** INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency**City of entity:** Spain**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco Colás; J.-Pablo Salvador Vico**Funding entity or bodies:**Ministerio de Ciencia e Innovación. Universidades **Type of entity:** Spanish government ministry**Type of participation:** Principal investigator**Name of the programme:** Retos Investigación I+D+i 2018**Code according to the funding entity:** RTI2018-096278-B-C21**Start-End date:** 01/01/2019 - 30/06/2022**Participating entity/entities:** Universidad de Alcalá**Total amount:** 399.300 €**Sub-project amount:** 260.150 €**7 Name of the project:** Point of Care testing of sexual hormones in fertility clinics (DROPLITE)**Geographical area:** National**Entity where project took place:** CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)**City of entity:** Spain**Name principal investigator (PI, Co-PI....):** J.-Pablo Salvador Vico; Rafael Porcar**Funding entity or bodies:**Ministerio de Ciencia e Innovación. Universidades **Type of entity:** Spanish government ministry**Type of participation:** Team member**Name of the programme:** Retos Colaboración 2019**Code according to the funding entity:** RTC2019-007075-1**Start-End date:** 01/01/2020 - 31/12/2021**Participating entity/entities:** DROPLITE, S.L.**Total amount:** 530.755,86 €**Sub-project amount:** 180.068 €**8 Name of the project:** Personalized And/Or Generalized Integrated Biomaterial Risk Assessment (PANBioRA)**Geographical area:** European Union



Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): Nihal Engin Vrana; M.-Pilar Marco; Cesar Fernandez
Funding entity or bodies: European Commission
Type of entity: European agency
Type of participation: Principal investigator
Name of the programme: INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced materials
Code according to the funding entity: H2020-NMBP-2017-760921
Start-End date: 01/01/2018 - 31/12/2021
Total amount: 7.992.471 €
Sub-project amount: 277.381,88 €

9 Name of the project: Grup de Recerca Consolidat (SGR)
Geographical area: Regional
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás
Funding entity or bodies: AGAUR
Type of entity: Agency from Catalonia's Government
City funding entity: Catalonia, Spain
Type of participation: Principal investigator
Name of the programme: Convocatòria d'ajuts per donar suport a les activitats dels grups de recerca (SGR)
Code according to the funding entity: 2017SGR1441
Start-End date: 01/01/2017 - 30/09/2021
Total amount: 20.000 €

10 Name of the project: Smartphone analyzers for on-site testing of food quality and safety (FOODSMARTPHONE)
Geographical area: European Union
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): Michel Nielen; M.-Pilar Marco
Funding entity or bodies: European Commission
Type of entity: European Institution
Type of participation: Principal investigator
Name of the programme: Marie-Sklodowska Curie Innovative Training Networks
Code according to the funding entity: MSCA-ITN2016-720325
Start-End date: 01/01/2017 - 31/03/2021
Total amount: 2.778.200,8 €
Sub-project amount: 495.745,92 €
Dedication regime: Part time

11 Name of the project: Ayuda acreditación TECNIO (TECDTP18-1-0011)
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco

**Funding entity or bodies:**

ACCIÓ

Type of entity: Agency from Catalonia's Government**City funding entity:** Catalonia, Spain**Type of participation:** Principal investigator**Name of the programme:** Ajuts per incentivar els plans d'actuació en transferència tecnològica dels desenvolupadors catalans**Code according to the funding entity:** TECDTP18-1-0011**Start-End date:** 01/11/2018 - 30/10/2019**Total amount:** 30.000 €

- 12** **Name of the project:** Pyocyanin as a new biomarker for diagnosis of Pseudomonas aeruginosa infections (PYODIAGPA)
Entity where project took place: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
City of entity: Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Funding entity or bodies: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Type of participation: Principal investigator
Name of the programme: Proyectos de Valorización del CIBER-BBN 2018
Start-End date: 20/06/2018 - 11/07/2019
Total amount: 40.000 €
- 13** **Name of the project:** Immunochemical diagnostic and therapeutic strategies based on the quorum sensing system (IMMUNO-QS)
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás
Funding entity or bodies: Ministerio de Economía y Competitividad
Type of entity: Ministry of Spain
City funding entity: Spain
Type of participation: Principal investigator
Name of the programme: Retos Investigación "I+D+i" 2015
Code according to the funding entity: SAF2015-67476-R
Start-End date: 01/01/2016 - 30/06/2019
Total amount: 193.600 €
- 14** **Name of the project:** A new approach for the diagnosis of Pseudomonas aeruginosa infections
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): Miriam Corredor; Lluisa Vilaplana; M.-Pilar Marco
Nº of researchers: 3
Funding entity or bodies: Fundación la Caixa
Type of entity: Foundation
City funding entity: Spain
Type of participation: Team member
Name of the programme: CaixaImpulse
Code according to the funding entity: C16-00031
Start-End date: 01/09/2016 - 31/10/2018



Total amount: 70.000 €

Sub-project amount: 70.000 €

- 15 Name of the project:** Ayuda acreditación TECNIO (TECDTP16-1-0009)
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Funding entity or bodies: ACCIÓ
Type of entity: Agency from Catalonia's Government
City funding entity: Spain
Type of participation: Principal investigator
Name of the programme: Ajuts per incentivar els plans d'actuaicó en transferencia tecnològica dels desenvolupadors catalans
Code according to the funding entity: TECDTP16-1-0009
Start-End date: 02/05/2017 - 02/05/2018
Total amount: 49.405 €
- 16 Name of the project:** New Diagnostics for Infectious Diseases (ND4ID)
Geographical area: European Union
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): Herman Goossens; Andreu Llobera; M.-Pilar Marco Colás
Funding entity or bodies: European Commission
Type of entity: European Agency
Type of participation: Principal investigator
Name of the programme: Marie-Sklowdowska Curie Actions - Innovative Training Networks
Code according to the funding entity: MSCA-ITN2015-675412
Start-End date: 01/03/2016 - 28/02/2018
Total amount: 3.860.507,52 € **Sub-project amount:** 247.872 €
- 17 Name of the project:** Molecular links between diabetes and neurodegenerative disorders
Geographical area: National
Degree of contribution: Scientific coordinator
Entity where project took place: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
City of entity: Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Funding entity or bodies: Instituto de Salud Carlos III
Type of entity: Public Research Body
City funding entity: Majadahonda, Spain
Type of participation: Principal investigator
Name of the programme: Proyectos Integrados de Excelencia, Convocatoria 2014 de la Acción Estratégica en Salud 2013-2016
Code according to the funding entity: PIE1400061
Start-End date: 01/01/2015 - 31/12/2017
Participating entity/entities: Cajal Institut; Cellex; Centro de Medicina Regenerativa de Barcelona; FUNDACIO INSTITUT DE RECERCA DE L'HOSPITAL UNIV. VALL D'HEBRON; FUNDACION GENERAL DE LA UNIVERSIDAD DE ALCALA DE HENARES; Hospital Clinic de Barcelona; Institut d'Investigacions



Biomèdiques August Pi i Sunyer ; Instituto de Biomedicina de Valencia ; Universidad Complutense de Madrid; Universidad Pompeu Fabra

Total amount: 660.000 €

Sub-project amount: 55.000 €

18 Name of the project: Real time monitoring of SEA contaminants by an autonomous Lab-on-a-chip biosensor (SEA-on-a-CHIP)

Identify key words: Physics chemical and mathematical; Natural sciences and health sciences; Engineering

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services

Geographical area: European Union

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA

Type of entity: State agency

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Damià Barceló; Francesc Teixidor

Funding entity or bodies:

European Commission

Type of entity: European Agency

Type of participation: Principal investigator

Name of the programme: Specific Programme "Cooperation": Food, Agriculture and Biotechnology

Code according to the funding entity: FP7-OCEAN-2013-1-614168

Start-End date: 01/02/2013 - 30/05/2017

Duration: 6 months

Participating entity/entities: AEIFORIA SRL; CAPSENZE HANDELSBOLAG; CEST KOMPETENZENTRUM FUR ELEKTROCHEMISCHE OBERFLACHENTECHNOLOGIE GMBH; FUNDACIO INSTITUT CATALA DE RECERCA DE L'AIGUA; INSTITUTO PORTUGUES DO MAR E DA ATMOSFERA IP; INTRAROM S.A.; ISTITUTO DELTA ECOLOGIA APPLICATA SRL; NORSK INSTITUTT FOR VANNFORSKNING; ORGANIZACION CALIDAD Y PROYECTOS SL; PANEPITIMIO IOANNINON; PLYMOUTH MARINE LABORATORY; SCALPRO AS; SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO SANT'ANNA; SKALOMA AE; UNIVERSITAT DE BARCELONA; UNIVERSITE LYON 1 CLAUDE BERNARD

Total amount: 5.753.727 €

Sub-project amount: 396.969 €

19 Name of the project: Grup de Recerca Consolidat (SGR)

Geographical area: Regional

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA

Type of entity: State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

AGAUR

Type of entity: Agency from the Catalonia's Government

City funding entity: Catalonia, Spain

Type of participation: Co-ordinator

Name of the programme: Convocatòria d'ajuts per donar suport a les activitats dels grups de recerca

Code according to the funding entity: 2014SGR1484

Start-End date: 12/2014 - 12/2016

Total amount: 30.100 €

20 Name of the project: Ayuda acreditación TECNIO (TECDTP15-1-0011)

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

**Funding entity or bodies:**

ACCIÓ

Type of entity: Agency from Catalonia's Government**City funding entity:** Catalonia, Spain**Type of participation:** Principal investigator**Name of the programme:** Ajuts per incentivar els plans d'actuaicó en transferencia tecnològica dels desenvolupadors catalans**Code according to the funding entity:** TECDTP15-1-0011**Start-End date:** 30/10/2015 - 30/10/2016**Total amount:** 54.325 €

- 21 Name of the project:** Plataformas de Diagnostico Universal Basada en Nanopartículas Codificadas con Oligonucleotidos y Dipositivos de Mircoarrays de DNA (OligoCODEs)

Geographical area: National**Degree of contribution:** Coordinator of total project, network or consortium**Entity where project took place:** INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency**City of entity:** Spain**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco Colas**Funding entity or bodies:**

Ministerio de Economía y Competitividad

Type of entity: Ministry of Spain**City funding entity:** Spain**Type of participation:** Principal investigator**Name of the programme:** Plan Nacional de I+D+I**Code according to the funding entity:** MAT2012-38573-C02-01**Start-End date:** 01/01/2013 - 31/12/2015**Participating entity/entities:** Nanobioengineering Group - IBEC**Total amount:** 103.000 €

- 22 Name of the project:** Electrochemical immunosensor system for the detection of neuroactive tryptophan metabolites. A common platform for bioresearch, clinical analitics and personalized medicine (TryKySens)

Geographical area: National**Entity where project took place:** INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency**City of entity:** Spain**Name principal investigator (PI, Co-PI....):** Francisco Sánchez Baeza; M.-Pilar Marco Colás**Type of participation:** Team member**Name of the programme:** Plan Nacional de I+D+i: Proyectos de Investigación Fundamental no Orientada**Start-End date:** 01/01/2012 - 30/06/2015**Total amount:** 346.060 €**Sub-project amount:** 110.110 €

- 23 Name of the project:** Sistemas de detección y cuantificación de biomarcadores de la Enfermedad de Alzheimer (KIT-Alzheimer)

Geographical area: National**Degree of contribution:** Coordinator of total project, network or consortium**Entity where project took place:** INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency**Name principal investigator (PI, Co-PI....):** Francisco Sánchez Baeza; M.-Pilar Marco Colas**Funding entity or bodies:**

Ministerio de Ciencia e Innovación. Investigación

Type of entity: Ministerio**City funding entity:** Madrid, Community of Madrid, Spain



Type of participation: Principal investigator

Name of the programme: Subdirección general de Estrategias de Colaboración Público-Privada: INNPACTO

Code according to the funding entity: IPT2011-1055-900000

Start-End date: 04/05/2011 - 30/06/2015

Sub-project amount: 152.617 €

24 Name of the project: Design and evaluation of a novel impedimetric immunosensor for the diagnosis of sepsis of respiratory origin due to Pseudomonas aeruginosa (NanBioSepRes)

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Enrique Valera Cano

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Proyectos de colaboración multidisciplinar en enfermedades respiratorias CIBER-BBN - SEPAR - CIBERES

Start-End date: 01/01/2013 - 31/12/2014

Participating entity/entities: Servei de Microbiologia del Hospital Germans Trias i Pujol; Servei de Neumologia del Hospital Germans Trias i Pujol

Total amount: 21.000 €

Sub-project amount: 15.000 €

25 Name of the project: Nanotecnología para cardiología y neumococo (NanoCardioCoco)

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): Miguel Roncales; M.-Pilar Marco Colas

Funding entity or bodies:

Ministerio de Economía y Competitividad

Type of entity: Ministry of Spain

City funding entity: Spain

Type of participation: Principal investigator

Name of the programme: Subdirección general de Estrategias de Colaboración Público-Privada: INNPACTO

Code according to the funding entity: IPT2011-1337-010000

Start-End date: 04/05/2011 - 31/12/2014

Total amount: 2.245.914,38 €

Sub-project amount: 95.807 €

26 Name of the project: CIBER (Centro de Investigación Biomédica en Red) de Bioingeniería, Biomateriales y Nanomedicina

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body



City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Acciones CIBER. Programa Consolider (iniciativa Ingenio 2010)

Start-End date: 01/01/2010 - 31/12/2013

Total amount: 89.150 €

27 Name of the project: Grup de Recerca Consolidat (SGR)

Geographical area: Regional

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

AGAUR

Type of entity: Agency from the Catalonia's Government

Type of participation: Principal investigator

Name of the programme: Convocatòria d'ajuts per donar suport a les activitats dels grups de recerca

Code according to the funding entity: 2009SGR1343

Start-End date: 01/01/2009 - 31/12/2013

Total amount: 70.720 €

28 Name of the project: Desarrollo de Bioreceptores para la Detección de Biomarcadores de CVDs en el Diagnóstico Clínico

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA

Type of entity: State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación

Type of entity: Ministry of Spain

City funding entity: Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Programa Nacional de Internacionalización de la I+D. Subprogrma Euroinvestigación. Modalidad ENIAC

Code according to the funding entity: EUI-ENIAC-2011-4331

Start-End date: 17/08/2011 - 21/03/2013

Total amount: 51.400 €

29 Name of the project: Chip Architectures by Joint Associated Labs for European Diagnostics (Cajal4EU)

Geographical area: European Union

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA

Type of entity: State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

European Commission

Type of entity: European Agency

Ministerio de Ciencia e Innovación. Investigación

Type of entity: Plan E-Tipo ENIAC: PLE2009-0168

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: ICT: ENIAC (European Nanoelectronics Initiative Advisory Council) Joint Undertaking Action



Code according to the funding entity: ENIAC-120215

Start-End date: 01/03/2010 - 01/03/2013

Total amount: 12.600.000 €

Sub-project amount: 257.000 €

30 Name of the project: Plataformas de Diagnostico Universal Basada en Nanopartículas Codificadas con Oligonucleotidos y Dispositivos de Microarrays de DNA (OligoCODEs)

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services
Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación
Type of entity: Ministerio

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Co-ordinator

Name of the programme: Plan Nacional de I+D+I

Code according to the funding entity: MAT2011-29335-C03-01

Start-End date: 01/01/2012 - 31/12/2012

Duration: 1 year

Participating entity/entities: Nanobioengineering Group - IBEC; Nucleic Acids Group - IQAC

Total amount: 29.999,53 €

31 Name of the project: Microcavidades ópticas para la detección de antibióticos y esteroides

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colas; Nuria Sanvicens Diez

Funding entity or bodies:

Consejo Superior de Investigaciones Científicas
Type of entity: State agency

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Co-ordinator

Name of the programme: Acciones Bilaterales CSIC-CNR

Code according to the funding entity: 2010IT0040

Start-End date: 01/01/2011 - 31/12/2012

Participating entity/entities: Consiglio Nazionale delle Ricerche

Sub-project amount: 8.000 €

32 Name of the project: Contaminants in Food and Feed: Inexpensive Detection for Control of Exposure (Confidence)

Geographical area: European Union

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): Jacob de Jong; M.-Pilar Marco Colás

Funding entity or bodies:

European Commission

Type of entity: European Agency

Type of participation: Principal investigator

Name of the programme: Food, Agriculture and Fisheries and Biotechnology



Code according to the funding entity: KBBE2007-211326

Start-End date: 01/05/2008 - 31/12/2012

Total amount: 7.514.032,4 €

Sub-project amount: 260.000 €

Dedication regime: Part time

- 33 Name of the project:** Desarrollo y demostración de nuevas tecnologías para la detección de residuos de antibióticos de uso veterinario a lo largo de la cadena de producción de alimentos de origen animal. Control y seguridad alimentaria (DETECTA)

Geographical area: National

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Francisco-José Sanchez Baeza; M.-Pilar Marco Colás

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Ministerio

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Plan Nacional de I+D+I: Proyecto de Investigación Fundamental No Orientada

Code according to the funding entity: AGL2008-05578-C05-01

Start-End date: 01/01/2009 - 31/12/2011

Sub-project amount: 145.000 €

- 34 Name of the project:** Microarray de Epitopos (Beta-array)

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Roger Galve

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Ministerio

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Plan Nacional de I+D+I: Proyectos de Investigación Fundamental no Orientada

Code according to the funding entity: SAF2008-03082

Start-End date: 01/01/2009 - 31/12/2011

Total amount: 121.000 €

- 35 Name of the project:** Nanobioanalytical Platforms for Improved Medical Diagnosis of Infections Caused by Pathogens (NanoMeDiag)

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Josep Samitier; M.-Pilar Marco Colás

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Ministerio

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Plan Nacional de Internacionalización de la I+D+I

Code according to the funding entity: EUI2008-00175

Start-End date: 01/03/2009 - 01/03/2011

Total amount: 41.800 €



36 Name of the project: Desarrollo de un dispositivo inmunosensor basado en la resonancia de plasmón localizado de nanopartículas de metales nobles para la detección de sustancias prohibidas en el deporte (dWatch Array)

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

Type of participation: Principal investigator

Name of the programme: Acción Estrategica sobre el Deporte y la Actividad Fisica

Code according to the funding entity: DEP2007-73224-C03-01

Start-End date: 16/11/2007 - 16/11/2010

Total amount: 53.000 €

37 Name of the project: Micro/Nanotecnologías para la Inmunodetección Multiplexada de Microorganismos Patógenos (MICROPLEX)

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Proyectos Intramurales CIBER-BBN

Start-End date: 01/01/2008 - 31/12/2009

Sub-project amount: 47.300 €

38 Name of the project: Grup de Recerca Consolidat (SGR)

Geographical area: Regional

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

AGAUR

Type of entity: Agency from the Catalonia's Government

City funding entity: Catalonia, Spain

Type of participation: Principal investigator

Name of the programme: Convocatòria d'ajuts per donar suport a les activitats dels grups de recerca

Code according to the funding entity: 2005SGR00207

Start-End date: 22/12/2005 - 22/12/2009

Total amount: 41.200 €

Sub-project amount: 41.200 €



- 39** **Name of the project:** Desarrollo de una plataforma de biosensores para aplicaciones en la industria agroalimentaria
Geographical area: National
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Irene Larroy; Francisco-José Sánchez Baeza; M.-Pilar Marco Colás
Funding entity or bodies: Ministerio de Industria Turismo y Comercio **Type of entity:** Ministerio
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Principal investigator
Name of the programme: Accion Estratégica de Telecomunicaciones y Sociedad de la Información. Subprograma AVANZA
Code according to the funding entity: TSI-020100-2008-494
Start-End date: 01/12/2008 - 30/11/2009
Total amount: 26.000 €
- 40** **Name of the project:** CIBER (Centro de Investigación Biomédica en Red) de Bioingeniería, Biomateriales y Nanomedicina
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás
Funding entity or bodies: Instituto de Salud Carlos III **Type of entity:** Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Type of participation: Co-ordinator
Name of the programme: Acciones CIBER. Programa Consolider (iniciativa Ingenio 2010)
Start-End date: 2006 - 2009
- 41** **Name of the project:** Desarrollo de plataformas NanoBio-analíticas basadas en reconocimiento molecular mediante detección óptica y/o electroquímica (NanoBioMol)
Geographical area: National
Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): Josep Samitier; M.-Pilar Marco
Funding entity or bodies: MINISTERIO DE EDUCACION Y CIENCIA
City funding entity: Spain
Type of participation: Principal investigator
Name of the programme: Acción estrategica de Nanotecnología
Code according to the funding entity: NAN2004-09415-C05-02
Start-End date: 01/01/2006 - 31/12/2008
Sub-project amount: 108.100 €
- 42** **Name of the project:** Nanoestructuras magneto-plasmónicas para biosensores de alta sensibilidad (NanoBioMag)
Geographical area: National
Degree of contribution: Coordinator of total project, network or consortium



Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): Francisco Sanchez Baeza; José Rivas; M.-Pilar Colás

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Principal investigator

Name of the programme: Acción Estrategica de Nanotecnología

Code according to the funding entity: NAN2004-09195-C04-04

Start-End date: 01/01/2006 - 31/12/2008

Sub-project amount: 95.000 €

- 43 Name of the project:** Una aproximación integral al desarrollo de tecnologías para detectar residuos de antibióticos de uso veterinario para mejorar la eficacia del control desde la granja a la mesa (PANOPTES)

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Francisco-José Sánchez Baeza

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Principal investigator

Name of the programme: Plan Nacional de I+D. Programa Nacional de Recursos y Tecnologías Agroalimentarias

Code according to the funding entity: AGL2005-07700-C06

Start-End date: 01/01/2006 - 31/12/2008

Sub-project amount: 136.850 €

- 44 Name of the project:** Desarrollo de una plataforma de biosensores para aplicaciones en la industria agroalimentaria (MEATSENS)

Geographical area: National

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): Irene Larroy; Francisco-José Sánchez Baeza; M.-Pilar Marco Colás

Funding entity or bodies:

Ministerio de Industria Turismo y Comercio

Type of entity: Ministry of Spain

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: PROFIT

Code according to the funding entity: FIT-330100-2007-138

Start-End date: 01/10/2007 - 30/09/2008

Total amount: 98.000 €



- 45** **Name of the project:** Inmunosensores basados en nanoestructuras resonantes como dispositivos de alarma frente a hormonas androgénicas (HINAN)
Geographical area: National
Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona
City of entity: Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Roger Galve
Funding entity or bodies: Fundación Areces
City funding entity: Spain
Type of participation: Team member
Start-End date: 02/03/2005 - 28/02/2008
Total amount: 60.000 €
Type of entity: State agency
- 46** **Name of the project:** Food Safety and Quality Monitoring with Microsystems (GOODFOOD)
Geographical area: European Union
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona
City of entity: Spain
Name principal investigator (PI, Co-PI....): C. Cané; M.-Pilar Marco Colás
Funding entity or bodies: European Commission
City funding entity: Spain
Type of participation: Principal investigator
Name of the programme: Information Society Technology
Code according to the funding entity: IST-2003-508774
Start-End date: 01/01/2004 - 31/12/2007
Sub-project amount: 195.000 €
Type of entity: State agency
- 47** **Name of the project:** Micro/nano-objetos para la monitorización de parámetros intracelulares en células vivas (INTRACELL)
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona
City of entity: Spain
Name principal investigator (PI, Co-PI....): Jaume Esteve; Francisco Sanchez Baeza; M.-Pilar Marco Colás
Funding entity or bodies: Consejo Superior de Investigaciones Científicas
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Principal investigator
Name of the programme: Proyectos Intramurales de Frontera
Start-End date: 01/11/2005 - 31/10/2007
Total amount: 35.000 €
Type of entity: State agency
- 48** **Name of the project:** Nanoestructuras Magnéticas Ordenadas con aplicación en Dispositivos Biosensores Optomagnéticos (BIPTOMAG)
Geographical area: National



Degree of contribution: Scientific coordinator

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): Manuel Vazquez; M.-Pilar Marco Colás

Funding entity or bodies:

Consejo Superior de Investigaciones Científicas

Type of entity: State agency

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Proyectos Intramurales de Frontera

Code according to the funding entity: 200560F0121

Start-End date: 01/11/2005 - 30/10/2007

Total amount: 35.000 €

49 Name of the project: Nuevos microsensores basados en nanoestructuras biomimétricas para el diagnóstico de alergias (SENBIA)

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Cesar Fernandez

Funding entity or bodies:

Consejo Superior de Investigaciones Científicas

Type of entity: State agency

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Proyectos Intramurales de Frontera

Code according to the funding entity: 200560F0141

Start-End date: 01/11/2005 - 30/10/2007

Total amount: 35.000 €

50 Name of the project: Electronic immuno-interfaces and surface nanobiotechnology: a heterodoxical approach (ELISHA)

Geographical area: European Union

Degree of contribution: Scientific coordinator

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): Paul Millner; M.-Pilar Marco Colás

Funding entity or bodies:

European Commission

Type of entity: European Agency

Type of participation: Principal investigator

Name of the programme: Nano and Micro Technologies

Code according to the funding entity: NMP2-CT-2003-505485

Start-End date: 01/01/2004 - 31/12/2006

Total amount: 3.523.474 €

Sub-project amount: 267.000 €



- 51 Name of the project:** Nuevas tecnologías para el control eficaz de residuos de antibióticos y corticosteroides en productos agroalimentarios (ARGOS)
Geographical area: National
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona
Type of entity: State agency
Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología
Type of entity: State Agency
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Principal investigator
Name of the programme: Plan Nacional de I+D. Programa Nacional de Recursos y Tecnologías Agroalimentarias
Code according to the funding entity: AGL2002-04635-C04-03
Start-End date: 01/11/2002 - 01/11/2005
Participating entity/entities: Universidad de Alcalá
Total amount: 400.000 € **Sub-project amount:** 126.500 €
Dedication regime: Full time
- 52 Name of the project:** Development of single and multi-analyte affinity sensors for rapid detection of androgen residues in pre-clinical and post-mortem animals (RADAR)
Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona
Type of entity: State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; G. Guilbault
Funding entity or bodies: European Commission
Type of entity: European Agency
Type of participation: Principal investigator
Name of the programme: Quality of Life and Management of Living Resources Programme
Code according to the funding entity: GLK 1-CT-2001-01670
Start-End date: 01/12/2001 - 01/12/2004
Total amount: 1.366.000 € **Sub-project amount:** 195.000 €
- 53 Name of the project:** Preliminary Evaluation of the Antisera generated Against PAP and Fatty Acid Anilide Derivatives
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona
Type of entity: State agency
City of entity: Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás
Funding entity or bodies: World Health Organisation
Type of entity: Global Agency
City funding entity: Geneva, Switzerland
Type of participation: Principal investigator
Name of the programme: Toxic Oil Syndrome
Code according to the funding entity: EU/03/017019
Start-End date: 01/06/2003 - 31/12/2003
Total amount: 14.760 €



54 Name of the project: Desarrollo y aplicación de una metodología analítica rápida, fiable y económica para la prevención del gusto a corcho causada por la presencia de tricloroanisol en productos vitícolas y de industrias afines

Geographical area: National

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Francisco Sanchez; M.-Pilar Marco Colás

Funding entity or bodies:

MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACION

City funding entity: Spain

Type of participation: Team member

Name of the programme: Acción Estratégica: Mejora de la Calidad y la Competitividad de los Vinos

Code according to the funding entity: VIN00-53-C3

Start-End date: 01/01/2001 - 31/12/2003

Total amount: 130.000 €

Sub-project amount: 41.061 €

55 Name of the project: Prototipo de sistema multibiosensor para la determinación de contaminantes ambientales estrogénicos en aguas de distribución. Instrumentación y Detección remota

Geographical area: National

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Laura Lechuga

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología

Type of entity: State Agency

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Name of the programme: Proyectos de Investigación Científica y Desarrollo Tecnológico

Code according to the funding entity: BIO2000-0351-P4-05

Start-End date: 01/01/2001 - 31/12/2003

Total amount: 151.455 €

Sub-project amount: 33.056 €

56 Name of the project: Multichannel Electrochemical Biosensor for Rapid Food Safety Monitoring (MEDFOOD)

Geographical area: European Union

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Jenny Emneus

Funding entity or bodies:

European Commission

Type of entity: European Agency

Type of participation: Principal investigator

Name of the programme: Inco-Copernicus Programme

Code according to the funding entity: ERB IC15-CT98-0910

Start-End date: 01/01/1998 - 31/12/2001

Total amount: 216.364 €

Sub-project amount: 39.380 €



57 Name of the project: Nuevas tecnologías para la vigilancia ambiental de contaminantes de difícil determinación en el medio marino. Estudios ecotoxicológicos y desarrollo de técnicas inmunoquímicas, inmunosensores y soportes de extracción selectiva

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología **Type of entity:** State Agency

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Code according to the funding entity: AMB98-1048-C04-01

Start-End date: 01/01/1998 - 31/12/2001

Total amount: 180.304 €

Sub-project amount: 60.221 €

58 Name of the project: Development of a 2,4,6-trichloroanisole (TCA) Biodetection System for Quality Assurance in Cork, Wine and Other Food Industries (TECACOR)

Geographical area: European Union

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Ioannis Katakis

Funding entity or bodies:

European Commission **Type of entity:** European Agency

Type of participation: Principal investigator

Name of the programme: Agriculture and Fisheries Programme

Code according to the funding entity: FAIR-CT98-9586

Start-End date: 01/12/1999 - 01/12/2001

Total amount: 576.972 €

Sub-project amount: 84.145 €

59 Name of the project: Integrated Immuno Extraction Sampling and Portable Biosensor Prototype for In-field Monitoring (INEXSPORT)

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco Colás; Jenny Emneus

Funding entity or bodies:

European Commission **Type of entity:** European Agency

Type of participation: Principal investigator

Name of the programme: Environmental and Climate Programme

Code according to the funding entity: ENV4-CT97-0476

Start-End date: 01/01/1997 - 31/12/1999

Sub-project amount: 130.800 €

60 Name of the project: An Analytical system for measuring multiple analytes in river water (RIANA, River ANAlyser)

Geographical area: European Union

Type of entity: State agency



Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Name principal investigator (PI, Co-PI....): Damià Barceló; M.-Pilar Marco Colás

Funding entity or bodies:

European Commission

Type of entity: European Agency

Type of participation: Principal investigator

Name of the programme: Environmental and Climate Programme

Code according to the funding entity: ENV4-CT95-0066

Start-End date: 01/01/1996 - 31/12/1998

61 Name of the project: Measurement of priority metabolites using integrated optoelectronic biosensors derived from antibody and molecular receptor libraries

Geographical area: European Union

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): Damià Barceló; M.-Pilar Marco Colás

Funding entity or bodies:

European Commission

Type of entity: European Agency

Type of participation: Principal investigator

Name of the programme: Environmental and Climate Programme

Code according to the funding entity: ENV4-CT96-0333

Start-End date: 01/01/1996 - 31/12/1998

62 Name of the project: Métodos biorracionales para su aplicación dentro de un control integrado de plagas de insectos

Entity where project took place: Centro de Investigación y Desarrollo

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Francisco Camps Diez

Funding entity or bodies:

Comisión Asesora de Investigación Científica y Técnica (CAICYT)

Type of entity: State agency

Type of participation: Team member

Name of the programme: Plan nacional en Ciencias Agrarias

Start-End date: 01/01/1995 - 31/12/1997

63 Name of the project: Immunosensor development for monitoring of pesticides and their degradation products

Degree of contribution: Scientific coordinator

Entity where project took place: Centro de Investigación y Desarrollo

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Damià Barceló

Funding entity or bodies:

European Union

Type of entity: Europe

Type of participation: Principal investigator

Name of the programme: Environment Programme

Code according to the funding entity: EV5V-CT93-0354

Start-End date: 01/01/1993 - 31/12/1995



- 64** **Name of the project:** Métodos biorracionales para su aplicación dentro de un control integrado de plagas
Degree of contribution: Researcher
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Francisco Camps Diez
Funding entity or bodies: Comisión Asesora de Investigación Científica y Técnica (CAICYT) **Type of entity:** State agency
Type of participation: Team member
Name of the programme: Plan Nacional en Ciencias Agrarias
Start-End date: 01/01/1992 - 31/12/1994
- 65** **Name of the project:** Development and application of immunoassays for hazardous chemicals
Degree of contribution: Researcher
Entity where project took place: University of Davis, California **Type of entity:** University
City of entity: United States of America
Name principal investigator (PI, Co-PI....): B.D. Hammock
Funding entity or bodies: United States Environmental Protection Agency **Type of entity:** State agency
Type of participation: Team member
Code according to the funding entity: CR-819047-01-0
Start-End date: 01/10/1991 - 01/11/1994
- 66** **Name of the project:** Immunoassays for human and environmental exposure
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: University of Davis, California **Type of entity:** University
City of entity: United States of America
Name principal investigator (PI, Co-PI....): M. Goodrow; B.D. Hammock
Funding entity or bodies: National Institute of Environmental Health **Type of entity:** State agency
City funding entity: United States of America
Type of participation: Team member
Name of the programme: Superfund Research Program
Code according to the funding entity: PHS ESO4699
Start-End date: 30/09/1987 - 29/09/1992
- 67** **Name of the project:** Métodos biorracionales para el control de insectos plaga
Degree of contribution: Researcher
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Francisco Camps Diez
Funding entity or bodies: Comisión Asesora de Investigación Científica y Técnica **Type of entity:** State agency
Type of participation: Team member
Start-End date: 01/01/1989 - 31/12/1991



- 68** **Name of the project:** Immunoassays for hazardous substances in the environment: development and implementation
Degree of contribution: Researcher
Entity where project took place: University of Davis, California **Type of entity:** University
City of entity: Davis, United States of America
Name principal investigator (PI, Co-PI....): B.D. Hammock; M.J. Kurth
Funding entity or bodies: United States Environmental Protection Agency **Type of entity:** State agency
City funding entity: United States of America
Type of participation: Team member
Code according to the funding entity: CR-814709-01-0
Start-End date: 01/02/1988 - 31/12/1991
- 69** **Name of the project:** Enzyme immunoassay for pesticides
Degree of contribution: Researcher
Entity where project took place: University of Davis, California **Type of entity:** University Research Institute
City of entity: Davis, United States of America
Name principal investigator (PI, Co-PI....): B.D. Hammock
Funding entity or bodies: California Department of Food and Agriculture **Type of entity:** State agency
City funding entity: United States of America
Type of participation: Team member
Code according to the funding entity: Agreement #90-0271
Start-End date: 01/07/1990 - 30/06/1991
Total amount: 61.328 €
- 70** **Name of the project:** Investigación y desarrollo de nuevas sustancias para el tratamiento de la úlcera gástrica
Degree of contribution: Researcher
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Francisco Camps Diez
Funding entity or bodies: Laboratorios Viñas, SA **Type of entity:** Farmaceuticos
City funding entity: Spain
Type of participation: Team member
Start-End date: 01/01/1985 - 31/12/1988
- 71** **Name of the project:** Métodos biorracionales para el control de insectos plaga
Degree of contribution: Researcher
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Francisco Camps Diez
Funding entity or bodies: Comisión Asesora de Investigación Científica y Técnica **Type of entity:** State agency
Type of participation: Team member



Start-End date: 01/01/1985 - 31/12/1988

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

- 1 Name of the project:** R&D PROJECT: Desarrollo de Anticuerpos Monoclonales contra la hormona ACTH
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Funding entity or bodies:
BIOKIT RESEARCH & DEVELOPMENT S.L.U. **Type of entity:** Business
(Werfen Group)
City funding entity: Lliçà D'amunt, Spain
Start date: 16/03/2022 **Duration:** 1 year
Total amount: 28.464 €
- 2 Name of the project:** APOYO TECNOLÓGICO: Generación de anticuerpos contra C99 de la proteína APP (Amyloid Precursor Protein)
Type of project: Research and development, including transfer **Entity where project took place:** CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC **Type of entity:** Foundation
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Participating entity/entities: CSIC
Funding entity or bodies:
Fundació de Recerca de l'Hospital de la Santa Creu i Sant Pau **Type of entity:** Foundation
City funding entity: Barcelona, Spain
Start date: 29/11/2021 **Duration:** 1 year
Total amount: 12.873 €
- 3 Name of the project:** R&D PROJECT: Design and Synthesis of Immunoreagents and Antibodies for Antibiotic Detection
Type of project: Research and development, including transfer **Entity where project took place:** CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC **Type of entity:** Business
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Participating entity/entities: CSIC
Funding entity or bodies:
UNISENSOR S.A. **Type of entity:** Business
City funding entity: Liege, Belgium
Start date: 15/06/2021 **Duration:** 1 year
Total amount: 146.338 €
- 4 Name of the project:** PATENT LICENSE AND EXPLOITATION: Devices and Methods for Multiplexing Liquid in Biosensor Micro-Chambers” (EP18724839.8)
Degree of contribution: co-PI, inventor
Name principal investigator (PI, Co-PI....): Giacomo Saviozzi; Cecilia Laschi; Raquel Pruna; Francisco Palacio; Manuel López; J.-Pablo Salvador; M.-Pilar Marco
Participating entity/entities: Centro de Investigación Biomédica en Red; Consejo Superior de Investigaciones Científicas; Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna; Universitat de Barcelona

**Funding entity or bodies:**

Elements Work S.r.l.

Type of entity: Business**City funding entity:** Pisa, Italy**Start date:** 21/05/2020**Duration:** 20 years

- 5 Name of the project:** APOYO TECNOLÓGICO: Development of rat monoclonal antibodies that bind to the murine PAR2

Type of project: Industrial research**Entity where project took place:** CSIC**Degree of contribution:** Scientific coordinator**Entity where project took place:** CSIC**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco**Funding entity or bodies:**

Almirall S.A.

Type of entity: Business**City funding entity:** Sant Feliu de Llobregat, Spain**Start date:** 01/10/2019**Duration:** 8 months**Total amount:** 18.864 €

- 6 Name of the project:** R&D PROJECT: Preparación de bioconjugados para la implementación en un sistema de inmunocromatografía basado en señales electroquímicas

Type of project: Industrial research**Entity where project took place:** CSIC**Degree of contribution:** Scientific coordinator**Entity where project took place:** CSIC**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco**Funding entity or bodies:**

Fuelium

Start date: 21/11/2018**Duration:** 1 year**Total amount:** 6.000 €

- 7 Name of the project:** R&D PROJECT: Síntesis y Bioconjugación de Haptenos para la Obtención de Anticuerpos Monoclonales contra Fungicidas

Type of project: Industrial research**Entity where project took place:** CSIC**Degree of contribution:** Scientific coordinator**Entity where project took place:** CSIC**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco**Participating entity/entities:** CSIC**Funding entity or bodies:**

BIOMEDAL S.L.

Type of entity: Business**City funding entity:** Spain

AGQ Labs & Tech Servides

Type of entity: Business**City funding entity:** Spain**Start date:** 23/07/2018**Duration:** 1 year - 9 months**Total amount:** 65.150 €

- 8 Name of the project:** EXPLOITATION CONTRACT: Use of Immunoreagents to Commercialize the Extenso Multiplex Biostick Kit and Future Multiplex and Device Developments(sin patente)

Type of project: Research and development, including transfer**Degree of contribution:** Principal Investigator, inventor**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco**Funding entity or bodies:**



UNISENSOR S.A.

City funding entity: Liege, Belgium**Start date:** 01/04/2018**Type of entity:** Business**Duration:** 10 years**9 Name of the project:** R&D PROJECT: Design and Synthesis of Immunoreagents and Antibodies for Antibiotic Detection**Type of project:** Research and development, including transfer**Degree of contribution:** Scientific coordinator**Entity where project took place:** CSIC**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco**Participating entity/entities:** CSIC**Funding entity or bodies:**

UNISENSOR S.A.

City funding entity: Liege, Spain**Start date:** 16/03/2018**Total amount:** 166.666 €**Entity where project took place:** CSIC**Type of entity:** Business**Duration:** 1 year - 6 months**10 Name of the project:** R&D PROJECT: α -Galactosyls diacylglycerolipids (α -GalDAG)**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco**Funding entity or bodies:**

PHARMASAN LABS INC.

City funding entity: Osceola, WI, United States of America**Start date:** 24/04/2017**Total amount:** 86.000 €**Type of entity:** Business**Duration:** 1 year**11 Name of the project:** R&D PROJECT: α -Galactosyls diacylglycerolipids (α -GalDAG)**Type of project:** Industrial research**Degree of contribution:** Scientific coordinator**Entity where project took place:** CSIC**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco**Participating entity/entities:** CSIC**Funding entity or bodies:**

Pharmasan Labs Inc.

City funding entity: Oselola, WI, United States of America**Start date:** 24/04/2017**Total amount:** 86.000 €**Entity where project took place:** CSIC**Type of entity:** Business**Type of entity:** Business**Duration:** 1 year**12 Name of the project:** APOYO TECNOLÓGICO: Anticuerpos Policlonales contra 17-beta-estradiol**Type of project:** Basic research (including archaeological digs, etc)**Degree of contribution:** Scientific coordinator**Entity where project took place:** CSIC**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco**Funding entity or bodies:**

Instituto de Ciencias Fotónicas (ICFO)

City funding entity: Castelldefels, Spain**Start date:** 28/06/2016**Total amount:** 3.276,8 €**Entity where project took place:** CSIC**Type of entity:** R&D Centre**Duration:** 8 months

- 13** **Name of the project:** EXPLOITATION CONTRACT:Acuerdo de Explotación de Inmunoreactivos para Sulfonamidas (sin patente)
Type of project: Industrial research
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): M.-Pilar Marco; Benoit Granier
Participating entity/entities: CSIC; UNISENSOR SA
Funding entity or bodies: UNISENSOR S.A. **Type of entity:** Business
City funding entity: Liege, Belgium
Start date: 01/06/2016 **Duration:** 20 years
- 14** **Name of the project:** CONVENIO;CONVENIO ENTRE EL CSIC (EL IQAC) Y EL CONSORCIO CENTRO DE INVESTIGACION BIOMEDICA EN RED -CIBER- PARA LA PROMOCIÓN E IMPULSO DE LA INVESTIGACIÓN EN EL ÁREA TEMÁTICA DE BIOINGENIERIA, BIOMATERIALES Y NANOMEDICINA
Entity where project took place: CIBER
Degree of contribution: Scientific coordinator
Entity where project took place: CIBER **Type of entity:** State agency
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Start date: 25/02/2016 **Duration:** 3 years
- 15** **Name of the project:** APOYO TECNOLÓGICO: Development of Immunoreagents and Antibodies for Food Safety
Type of project: Research and development, including transfer **Entity where project took place:** CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC **Type of entity:** Business
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Participating entity/entities: CSIC
Funding entity or bodies: UNISENSOR S.A. **Type of entity:** Business
City funding entity: Liege, Belgium
Start date: 15/10/2015 **Duration:** 8 years - 3 months - 15 days
Total amount: 686.387 €
- 16** **Name of the project:** R&D PROJECT Rapid Electrochemical Immunosensors Exploratory Project
Type of project: Technical viability study **Entity where project took place:** CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Funding entity or bodies: FOSS Analytical A/S **Type of entity:** Business
City funding entity: Hilleroed, Denmark
Start date: 17/09/2015 **Duration:** 6 months
Total amount: 45.000 €
- 17** **Name of the project:** APOYO TECNOLÓGICO: Scientif Work Related To The Preparation Of Immunoreagents Againts Pantothenic Acid, 5-Mthf And Biotin
Type of project: Industrial research **Entity where project took place:** CSIC



Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Type of entity: Business

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Funding entity or bodies:

R-BIOPHARM Rhone LTD

Type of entity: Business

City funding entity: United Kingdom

Start date: 13/04/2015

Duration: 6 months

Total amount: 6.835 €

18 Name of the project: APOYO TECNOLÓGICO: Supply of Immunoreagents and Antibodies

Type of project: Research and development, including transfer

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Participating entity/entities: CSIC

Funding entity or bodies:

UNISENSOR S.A.

Type of entity: Business

City funding entity: Liege, Belgium

Start date: 01/04/2015

Duration: 1 year

Total amount: 84.170 €

19 Name of the project: R&D PROJECT: Development of a Diagnostic Approach for Mastitist

Type of project: Research and development, including transfer

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Participating entity/entities: CSIC

Funding entity or bodies:

UNISENSOR S.A.

Type of entity: Business

City funding entity: Liege, Belgium

Start date: 20/12/2014

Duration: 3 months

Total amount: 10.000 €

20 Name of the project: ASESORIA: Contrato de Prestación de Servicios de Asesoría Científica entre Gendiag.exe y la Agencia Estatal Consejo Superior de Investigaciones Científicas

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Type of entity: Business

City of entity: Esplugas de Llobregat, Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Participating entity/entities: CSIC

Funding entity or bodies:

GENDIAG.EXE, S.L.

Start date: 01/07/2013

Duration: 5 years



- 21** **Name of the project:** R&D PROJECT: Preparation and characterization of haptens and immunoreagents for the selective detection and quantification of kynurenine metabolic pathway
Type of project: Industrial research **Entity where project took place:** CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC **Type of entity:** Business
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Participating entity/entities: CSIC
Funding entity or bodies: Pharmasan Labs Inc. **Type of entity:** Business
City funding entity: Osceola, WI, United States of America
Start date: 26/04/2013 **Duration:** 4 years - 2 months
Total amount: 391.220 €
- 22** **Name of the project:** CONVENIO: CONVENIO ENTRE EL CSIC, IQAC, CIBER-BBN, CIBERES, SEPAR Y EL INSTO. INV. CIENCIAS SALUD GERMANS TRIAS I PUYOL PARA EL PROYECTO: DESARROLLO DE UN PROTOTIPO DE INMUNOSENSOR IMPEDIMÉTRICO, ASI COMO LOS RESULTADOS PROTEGIBLES Y EXPLOTABLES
Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services **Entity where project took place:** CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC **Type of entity:** CIBER
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Participating entity/entities: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN); CIBER ENFERMEDADES RESPIRATORIAS (CIBERES); IGTP; Sociedad Española de Neumología y Cirugía Torácica
Start date: 01/02/2013 **Duration:** 4 years
Total amount: 15.000 €
- 23** **Name of the project:** R&D PROJECT: Desarrollo de sistemas de monitorización de la exposición laboral a productos tóxicos.
Type of project: Precompetitive development **Entity where project took place:** CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Participating entity/entities: CSIC
Funding entity or bodies: CETEMSA
Start date: 01/01/2013 **Duration:** 3 years
Total amount: 60.000 €
- 24** **Name of the project:** R&D PROJECT: Desarrollo De Anticuerpos Mediante La Utilización De Péptidos Sintéticos
Type of project: Industrial research
Degree of contribution: Scientific coordinator
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Funding entity or bodies: Zeulab S.L. **Type of entity:** Business
City funding entity: Zaragoza, Spain



Start date: 28/08/2012
Total amount: 13.370 €

Duration: 2 years

25 Name of the project: EXPLOITATION CONTRACT:Acuerdo de Explotación de Inmunoreactivos para Sulfonamidas (sin patente)

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Participating entity/entities: CSIC

Funding entity or bodies:

BIOO Scientific Corporation-Perkin Elmer group

Type of entity: Business

City funding entity: Austin TX, United States of America

Start date: 01/07/2012

Duration: 10 years

26 Name of the project: PATENT LICENSE and EXPLOITATION Contract: Acuerdo de Explotación de la Patente de Inmunoreactivos para Fluoroquinolonas (PCT/ES2011/070800)

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Type of entity: Business

Name principal investigator (PI, Co-PI....): M.-Pilar Marco; Benoit Granier

Participating entity/entities: CSIC; UNISENSOR SA

Funding entity or bodies:

UNISENSOR SA

Type of entity: Business

City funding entity: Liege, Belgium

Start date: 01/04/2012

Duration: 19 years - 6 months

27 Name of the project: R&D PROJECT: To Develop Diagnostic Products In Accordance To The Market Needs And To Guaranty A Quick Transfer Of The Results And Release Of Products To The Market

Type of project: Research and development, including transfer

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Participating entity/entities: CSIC

Funding entity or bodies:

UNISENSOR S.A.

Type of entity: Business

City funding entity: Liege, Belgium

Start date: 01/07/2011

Duration: 2 years - 6 months

Total amount: 231.200 €

28 Name of the project: R&D PROJECT Preparation And Characterization Of New Haptens (Immunizing And Competitor Haptens) And Immunoreagents (Immunogens And Coating Antigens) For The Immunochemical Detection Of Kynurenine And Kynurenic Acid

Type of project: Industrial research

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Funding entity or bodies:

PHARMASAN LABS Inc.

Type of entity: Business



City funding entity: Osceola, WI, United States of America

Start date: 20/04/2011

Duration: 1 year

Total amount: 104.605 €

29 Name of the project: CONVENIO;CREACIÓN DE UNA PLATAFORMA PARA DESARROLLO Y PRODUCCIÓN DE ANTICUERPOS ENTRE CSIC Y CONSORCIO CENTRO DE INVESTIGACIÓN BIOMÉDICA EN RED BIOINGENIERÍA, BIOMATERIALES Y NANOMEDICINA (CIBER-BBN).

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Type of entity: CIBER

City of entity: Madrid, Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Start date: 01/01/2011

Duration: 10 years

30 Name of the project: PATENT LICENSE and EXPLOITATION Contract: Biosensor y sus aplicaciones. (PCT/ES2008 070084/ P200701253) y Sistema y Procedimiento Multianalítico Basado en Mediciones Impedimétricas (PCT/ES2010/070824/ P200931164)

Entity where project took place: THROMBOTARGETS EUROPE, SL

Degree of contribution: co-PI, inventor

Entity where project took place: THROMBOTARGETS EUROPE, SL

City of entity: Castelldefels, Spain

Name principal investigator (PI, Co-PI....): Juan Ramón Rodríguez; Jose Ramón Bejar; Andrey Bratov; M.-Pilar Marco

Funding entity or bodies:

THROMBOTARGETS EUROPE, SL

Start date: 01/01/2011

Duration: 5 years

31 Name of the project: CONVENIO;CREACIÓN DE UNA PLATAFORMA PARA DESARROLLO Y PRODUCCIÓN DE ANTICUERPOS ENTRE CSIC Y CONSORCIO CENTRO DE INVESTIGACIÓN BIOMÉDICA EN RED BIOINGENIERÍA, BIOMATERIALES Y NANOMEDICINA (CIBER-BBN).

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Type of entity: CIBER

City of entity: Madrid, Spain

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Start date: 01/01/2010

Duration: 1 year

32 Name of the project: R&D Project: Test-kits for antibiotic detection

Type of project: Industrial research

Entity where project took place: CSIC

Degree of contribution: Scientific coordinator

Entity where project took place: CSIC

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Participating entity/entities: CSIC

Funding entity or bodies:

UNISENSOR S.A.

Type of entity: Business

City funding entity: Liege, Belgium

Start date: 01/01/2010

Duration: 1 year

Total amount: 78.000 €

- 33** **Name of the project:** CONVENIO;CREACIÓN DE UNA PLATAFORMA PARA DESARROLLO Y PRODUCCIÓN DE ANTICUERPOS ENTRE CSIC Y CONSORCIO CENTRO DE INVESTIGACIÓN BIOMÉDICA EN RED BIOINGENIERÍA, BIOMATERIALES Y NANOMEDICINA (CIBER-BBN).
Entity where project took place: CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC **Type of entity:** CIBER
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Start date: 01/01/2008 **Duration:** 1 year
- 34** **Name of the project:** R&D PROJECT: Development of Field Test Assays for Environmental Monitoring
Type of project: Industrial research **Entity where project took place:** CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC **Type of entity:** Business
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Participating entity/entities: CSIC
Funding entity or bodies:
Micromaterials Research Inc. (CHEP group) **Type of entity:** Business
City funding entity: Westmon, Florida, United States of America
Start date: 01/01/2007 **Duration:** 3 months
Total amount: 4.000 €
- 35** **Name of the project:** R&D Project: Immunochemicals for Residue Analysis in Food
Type of project: Precompetitive development **Entity where project took place:** CSIC
Degree of contribution: Scientific coordinator
Entity where project took place: CSIC **Type of entity:** Business
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Participating entity/entities: CSIC
Funding entity or bodies:
UCB-BIOPRODUCTS **Type of entity:** Business
City funding entity: Molins de Rei, Spain
Start date: 01/06/2003 **Duration:** 1 year - 3 months
Total amount: 8.000 €
- 36** **Name of the project:** R&D Project: Development of Field Test Assays for Environmental Monitoring
Type of project: Research and development, including transfer
Degree of contribution: Scientific coordinator
City of entity: Augsburg, Germany
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Participating entity/entities: CSIC
Funding entity or bodies:
SENSION GmbH **Type of entity:** Business
City funding entity: Augsburg, Germany
Type of project: Cooperation
Start date: 01/01/1999 **Duration:** 1 year
- 37** **Name of the project:** R&D Project: Geneación Anticuerpos contra la Co-Q10
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Roger Galve
Funding entity or bodies:



Fundación Hospital Sant Joan de Deu
City funding entity: Barcelona, Spain

Type of entity: Foundation

Total amount: 23.500 €

Results

Industrial and intellectual property

- 1 Title registered industrial property:** Polypurine Reverse Hoogsteen Hairpins and Parallel Clamps and Their Use as Biosensors
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Jesus Martinez de la Fuente; Carlos Cuestas; M-Valeria Grazu; Cesar Fernandez; Manuel Gutierrez; Antonio Baldi; Ramón Eritja; M.-Pilar Marco; M.-Lluisa Vilaplana; Anna-M Aviño; Carlos J. Ciudad; Verónica Noe
Entity holder of rights: Consejo Superior de Investigaciones Científicas/Universitat de Barcelona
Nº of application: EP21382818.9
Country of inscription: Spain
Date of register: 13/09/2021
Spanish patent: Yes **EU patent:** Yes
- 2 Title registered industrial property:** In vitro method for detection of infections caused by Pseudomonas aeruginosa
Type of industrial property: Patent of invention
Inventors/authors/obtainers: M.-Pilar Marco Colás; Enrique José Montagut Cañete
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: EP20382256.4, PCT/EP2021/057909
Country of inscription: Spain
Date of register: 31/03/2020
Spanish patent: Yes **EU patent:** Yes
PCT patent: Yes
- 3 Title registered industrial property:** Compuestos y sus usos como haptenos para la detección de S. aureus
Type of industrial property: Patent of invention
Inventors/authors/obtainers: M.-Pilar Marco Colas; Nuria Pascual Duran; Carme Pastells Diez
Entity holder of rights: Consejo Superior de Investigaciones Científicas/CIBER
Nº of application: P201530780, PCT/ES2016/070390
Country of inscription: Spain
Date of register: 03/06/2015
Conferral date: 20/10/2017
Nº of patent: ES2595930B1
Spanish patent: Yes **EU patent:** Yes
International non-EU patent: Yes **PCT patent:** Yes
Licences: No
- 4 Title registered industrial property:** Haptenos derivados de lipoproteína (a), conjugados y anticuerpos frente a los mismos.
Type of industrial property: Patent of invention
Inventors/authors/obtainers: M.-Pilar Marco; Alejandro Hernandez; J.-Pablo Salvador; Fernando Civeira



Entity holder of rights: Consejo Superior de Investigaciones Científicas/CIBER/IIS
N° of application: P201731063
Country of inscription: Spain
Date of register: 01/09/2017
Spanish patent: Yes
PCT patent: No

5 Title registered industrial property: Devices and Methods for multiplexing liquid in biosensor micro-chambers

Description of qualities: Elements Works S.r.l.

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Giacomo Saviozzi; J.-Pablo Salvador; Manuel Lopez de Miguel; Francisco Palacio; Raquel Pruna; M.-Pilar Marco; Cecilia Laschi

Entity holder of rights: Consejo Superior de Investigaciones Científicas/Universitat de Barcelona/Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna/CIBER

N° of application: EP17382269, PCT/EP2018/062230

Country of inscription: Spain

Date of register: 12/05/2017

Spanish patent: Yes

EU patent: Yes

PCT patent: Yes

Licences: Yes

Exclusive use: Yes

6 Title registered industrial property: Haptenos y conjugados derivados de piocianina. Anticuerpos de los mismos, y método inmunoquímico de detección de infecciones causadas por Pseudomonas aeruginosa

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Maria Pilar Marco Colas; Nuria Pascual Duran; Carme Pastells Diez; Francisco Sanchez Baeza; Antonio Pedro Villaverde Corrales; Escarlota Rodriguez Carmona

Entity holder of rights: Consejo Superior de Investigaciones Científicas/CIBER-BBN/Universitat Autònoma de Barcelona

N° of application: P201330312, PCT/ES2014/070161, US14/773083

Country of inscription: Spain

Date of register: 05/03/2013

Conferral date: 08/07/2015

N° of patent: ES2504715B1, EP2966066B1, US10422791B2

Spanish patent: Yes

EU patent: Yes

International non-EU patent: Yes

PCT patent: Yes

Operating aut.region/region: United States of America

7 Title registered industrial property: Anticuerpos para la detección y cuantificación de agentes anticoagulantes

Type of industrial property: Patent of invention

Inventors/authors/obtainers: M.-Pilar Marco Colas; Juan Pablo Salvador Vico

Entity holder of rights: Consejo Superior de Investigaciones Científicas/CIBER-BBN

N° of application: P201231836, PCT/ES13/070816

Country of inscription: Spain

Date of register: 27/11/2012

Conferral date: 18/02/2015

N° of patent: ES2472290B1

Spanish patent: Yes

EU patent: Yes

PCT patent: Yes



- 8 Title registered industrial property:** Haptenos e Inmunoreactivos y su Uso en la Obtención de Anticuerpos de Familia e Inmunoensayos para Quinolonas
Description of qualities: Unisensor SA
Type of industrial property: Patent of invention
Inventors/authors/obtainers: M^a-Pilar Marco Colas; Francisco Sanchez Baeza; Daniel Gonzalez Pinacho
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: P201031721, PCT/ES11/070800, US13/988826, CN201180065600
Country of inscription: Spain
Date of register: 20/11/2010
Conferral date: 29/04/2013
Nº of patent: ES2383857B1, US10150736B2, EP2644596B1, CN103328448B
Spanish patent: Yes **EU patent:** Yes
International non-EU patent: Yes **PCT patent:** Yes
Licences: Yes
Operating aut.region/region: China / United States of America
Exclusive use: Yes
- 9 Title registered industrial property:** Sistema y Procedimiento Multianalítico Basado en Mediciones Impedimétricas
Description of qualities: Thrombotargets Europe SL (returned in 2014)
Inventors/authors/obtainers: Javier Ramon Azcón; Francisco José Sanchez Baeza; M.-Pilar Marco Colas; Andrei Bratov Nikiforov; Natalia Abramova; Andrey Ipatov
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: P200931164, PCT/ES10/070824, US13/516186, MX2012007008, CA2784790, CN201080063867
Country of inscription: Spain
Date of register: 15/12/2009
Conferral date: 10/01/2013
Nº of patent: ES2367615B1, EP2515103A1, US9170227B2, JP5766714, MX2012007008A, CA2784790A1, CN102753966A
Spanish patent: Yes **EU patent:** Yes
International non-EU patent: Yes **PCT patent:** Yes
Licences: Yes
Operating aut.region/region: Canada / China / Japan / Mexico / United States of America
- 10 Title registered industrial property:** Compuestos Derivados de Doxiciclina como Haptenos, Conjugados y Anticuerpos de los Mismos y Método Inmunoquímico para la Detección de Doxiciclina
Inventors/authors/obtainers: M.-Pilar Marco Colas; Javier Adrian Izquierdo; Francisco Sanchez Baeza
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: P201230378, PCT/ES2013/070155
Country of inscription: Spain
Date of register: 13/03/2012
Nº of patent: WO2013/135930
Spanish patent: Yes **EU patent:** Yes
PCT patent: Yes
- 11 Title registered industrial property:** Dispositivo sensor interdigitado basado en anticuerpos marcados con nanopartículas conductoras y procedimiento para la detección y cuantificación de sustancias presentes en líquidos
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Angel Rodriguez Martinez; Luis Castañer Muñoz; Enrique Valera Cano; Juan Ramon Rodriguez; M.-Pilar Marco Colas; Francisco Sanchez Baeza; Javier Ramon Azcon



Entity holder of rights: Universitat Politècnica de Catalunya
N° of application: P200700282
Country of inscription: Spain
Date of register: 29/01/2007
Conferral date: 12/09/2011
N° of patent: ES2347617B1
Spanish patent: Yes
PCT patent: No

- 12 Title registered industrial property:** Sensor Interdigitado Basado en Anticuerpos No Marcados para la Detección y Cuantificación de Sustancias Presentes en Líquidos
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Angel Rodríguez Martínez; Luis M. Castañer Muñoz; Enrique Valera Cano; M.-Pilar Marco Colas; Francisco Sanchez Baeza; Javier Ramón Azcón
Entity holder of rights: Universitat Politècnica de Catalunya
N° of application: P200700283
Country of inscription: Spain
Date of register: 29/01/2007
Conferral date: 12/09/2011
N° of patent: ES2347618B1
Spanish patent: Yes
PCT patent: No

- 13 Title registered industrial property:** Haptenos, usos y método inmunoquímico para la detección de bromopropilato
Inventors/authors/obtainers: M.-Pilar Marco Colas; Francisco Sanchez Baeza; Javier Ramón Azcón
Entity holder of rights: Consejo Superior de Investigaciones Científicas
N° of application: P200803612, PCT/ES2009/000586
Country of inscription: Spain
Date of register: 18/12/2008
Conferral date: 12/04/2011
N° of patent: ES2341523B1
Spanish patent: Yes **EU patent:** Yes
PCT patent: Yes

- 14 Title registered industrial property:** Dispositivo intracelular para el estudio de parámetros intracelulares en células, órganos y tejidos
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Jaume Esteve Tintò; José Antonio Plaza Plaza; Rodrigo Gomez Martínez; Marta Duch Llobera; Elisabet fernandez Rosas; Enrique de la Rosa Cano; Teresa Suarez Gonzalez; Patricia Vázquez Pérez; Patricia Boya Tremoleda; Francisco Sanchez Baeza; M.-Pilar Marco Colas; Daniel Gonzalez Pinacho; Alejandro Muñoz Castañon; María del Carmen Nogués Sanmiquel; Leonardo Barrios Sanroma; María Elena Ibañez de Sans
Entity holder of rights: Consejo Superior de Investigaciones Científicas
N° of application: P200702623
Country of inscription: Spain
Date of register: 05/10/2007
Conferral date: 13/01/2010
N° of patent: ES2319491B1
Spanish patent: Yes
PCT patent: No



- 15 Title registered industrial property:** Impedimetric sensor and applications thereof
Description of qualities: Thrombotargets Europe SL (returned in 2014)
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Andrei Bratov; Carlos Dominguez Horna; Natalia Abramova; Angel Merlos Domingo; Javier Ramón Azcón; Francisco Sánchez Baeza; M.-Pilar Marco Colas
Entity holder of rights: Consejo Superior de Investigaciones Científicas
N° of application: P200701253, PCT/ES2008/070084, US12/599378, JP2010506958
Country of inscription: Spain
Date of register: 09/05/2007
Conferral date: 01/10/2009
N° of patent: ES2307430B1, EP2148191, US8608919B2, JP2010-526311A
Spanish patent: Yes **EU patent:** Yes
International non-EU patent: Yes **PCT patent:** Yes
Licences: Yes
Exclusive use: Yes

Scientific and technological activities

Scientific production

- 1 H index:** 54
Date of application: 08/05/2022
Fuente de Índice H: GOOGLE SCHOLAR
- 2 H index:** 48
Date of application: 08/05/2022
Fuente de Índice H: SCOPUS

Publications, scientific and technical documents

- 1** Jiri Dietvorst; Amparo Vilanova-Ferrer; Sharath Iyengar Narayana; Russom Aman; Núria Vigués; Jordi Mas; LLuisa Vilaplana; M.-Pilar Marco; Gonzalo Guirado; Xavier Muñoz-Berbel. Bacteria detection at single-cell level through a cyanotype-based photochemical reaction. *Analytical Chemistry*. 94 - 2, pp. 787 - 792. ACS Publications, 2022.
DOI: 10.1021/acs.analchem.1c03326
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 2** Mireia Burdo-Masferrer; María Díaz-González; Ana Sanchís; Alvaro Calleja; M.-Pilar Marco; César Fernández-Sánchez; Antonio Baldi. Compact microfluidic platform with LED light actuated valves for enzyme-linked immunosorbent assay automation. *Biosensors*. 12 - 5, pp. 280. MDPI, 2022.
DOI: 10.3390/bios12050280
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 3** J.-Pablo Salvador; Thomas Thomas Brettschneider; Christian Dorrer; M.-Pilar Marco. Development of a fluorescent microfluidic device based on antibody microarray read-out for therapeutic drug monitoring of acenocoumarol. *Frontiers in Bioengineering and Biotechnology*. 10, pp. 848501. Frontiers, 2022.
DOI: 10.3389/fbioe.2022.848501
Type of production: Scientific paper **Format:** Journal

Corresponding author: Yes

- 4** Enrique Montagut; Gerardo Acosta; Fernando Albericio; Miriam Royo; Gerardo Godoy; Alicia Lacoma; Cristina Prat; J.-Pablo Salvador; M.-Pilar Marco. Direct Quantitative Immunochemical Analysis of the Autoinducer Peptide IV (AIP-IV) for Diagnosing and Stratifying “Staphylococcus aureus” infections. ACS Infectious Diseases. 8 - 3, pp. 645 - 656. ACS Publications, 2022.
DOI: 10.1021/acsinfecdis.1c00670
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 5** Joost L.D Nelis; J.-Pablo Salvador; M.-Pilar Marco; Christopher T. Elliot; Katrina Campbell. A plasmonic biosensor array exploiting plasmon coupling between gold nanorods and spheres for domoic acid detection via two methods. Spectrochimica Acta Part A: Mol. Biomol. Spectroscopy. 252 - 5, pp. 119473. Elsevier, 2021.
DOI: 10.1016/j.saa.2021.119473
Type of production: Scientific paper **Format:** Journal
- 6** Enrique José; M.-Teresa; M.-Pilar. An Immunochemical Approach to Quantify and Assess the Potential Value of Pseudomonas Quinolone Signal (PQS) as a Biomarker of Infection. Analytical Chemistry. 93 - 11, pp. 4859 - 4866. (Spain): ACS Publications, 2021.
DOI: 10.1021/acs.analchem.0c04731
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 7** Barbara Rodriguez-Urrtavizcaya; Nuria Pascual; Carme Pastells; M.-Teresa Martin-Gómez; LLuisa Vilaplana; M.-Pilar Marco. Diagnostic and Stratification of Pseudomonas aeruginosa Infected Patients by Immunochemical Quantitative Determination of Pyocyanin from Clinical Bacterial Isolates. Frontiers in Cellular and Infection Microbiology. 14 - 11, pp. 786929. Frontiers, 2021.
DOI: 10.3389/fcimb.2021.786929
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 8** José Marrugo-Ramírez; M.-Pilar Marco; Montserrat Rodríguez-Nuñez; Monica Mir; Josep Samitier. Kynurenic Acid Electrochemical Immunosensor: Blood-based Diagnosis of Alzheimer’s Disease. Biosensors. 11 - 1, pp. 20 - 35. MDPI, 2021.
DOI: 10.3390/bios11010020
Type of production: Scientific paper **Format:** Journal
- 9** Talha Jamshaid; Ernando Taveira Tenorio-Neto; Abdoullatif Baraket; Noureddine Lebaz; Abdelhamid Elaissari; Ana Sanchís; J.-Pablo Salvador; M.-Pilar Marco; Joan Bausells; Abdelhamid Errachid; Nadia Zine. Development of novel magneto-biosensor for sulfapyridine detection. Biosensors. 10 - 4, pp. 43. MDPI, 21/04/2020.
DOI: 10.3390/bios10040043
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 10** Enrique J. Montagut; LLuisa Vilaplana; M.-Teresa Martin-Gomez; M.-Pilar Marco. A High Throughput Immunochemical Method to Assess 2-Heptyl-4-Quinolone Quorum Sensing Molecule as Potential Biomarker of <i>Pseudomonas aeruginosa</i> infections. ACS Infectious Diseases. 6 - 12, pp. 3237 - 3246. ACS Publications, 2020.
DOI: 10.1021/acsinfecdis.0c00604
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes



- 11** Gloria Colom; J.-Pablo Salvador; Gerardo Acosta; Miriam Royo; M.-Pilar Marco. Competitive ELISA for N-Terminal pro-Brain Natriuretic Peptide (NT-proBNP) determination in human plasma. *Analyst*. 145, pp. 6719 - 6727. RSC, 2020.
DOI: 10.1039/D0AN00650E
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 12** Wouter van der Wijngaart; Weijin Guo; Lluïsa Vilaplana; Jonas Hansson; M.-Pilar Marco. Immunoassays on thiol-ene synthetic paper generate a superior fluorescence signal. *Biosensors and Bioelectronics*. 163, pp. 112279. Elsevier, 2020. Available on-line at: <<https://doi.org/10.1016/j.bios.2020.112279>>.
DOI: 10.1016/j.bios.2020.112279
Type of production: Scientific paper **Format:** Journal
- 13** Marta González-Sánchez; Javier López Jiménez; Arántzazu Narváez; Desirée Antequera; Sara Llamas-Velasco; Alejandro Herrero San Martín; Jose Antonio Molina Arjona; Adolfo López de Munain; Alberto Lleó Bisa; M.-Pilar Marco; Montserrat Rodríguez-Núñez; David Andrés Pérez-Martínez; Alberto Villarejo-Galende; Fernando Bartolomé; Elena Domínguez; Eva M. Carro. Kynurenic acid levels are increased in the CSF of Alzheimer's disease patients. *Biomolecules*. 10 - 4, pp. 571. MDPI, 2020.
DOI: 10.3390/biom10040571
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 14** J.-Pablo Salvador; Klaudia Kopper; Andrea Miti; Ana Sanchís; M.-Pilar Marco. Multiplexed immunosensor based on the amperometric transduction for monitoring of marine pollutants in sea water. *Sensors*. 20 - 19, pp. 5532. MDPI, 2020.
DOI: 10.3390/s20195532
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 15** Joost L.D. Nelis; Davide Migliorelli; Safiye Jafari; Silvia Generelli; Javier Lou-Franco; J.-Pablo Salvador; M.-Pilar Marco; Cuong Cao; Christopher T. Elliott; Katrine Campbell. The benefits of carbon black, gold and magnetic nanomaterials for point-of-harvest electrochemical quantification of domoic acid. *Microchimica Acta*. 187, pp. 164. 2020.
DOI: 10.1007/s00604-020-4150-x
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Corresponding author: No
- 16** Marta Broto; Rita McCabe; Roger Galve; M.-Pilar Marco. A high-specificity immunoassay for the therapeutic drug monitoring of cyclophosphamide. *Analyst*. 144, pp. 5172 - 5178. RSC, 2019.
DOI: 10.1039/C9AN00576E
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Corresponding author: Yes
- 17** Ana Sanchís; Cristina Bosch-Orea; J.-Pablo Salvador; M.-Pilar Marco; Marinella Farré. Development and validation of a multianalyte immunoassay for the quantification of environmental pollutants in seawater. *Analytical and Bioanalytical Chemistry*. 411, pp. 5897 - 5907. Springer, 2019.
DOI: 10.1007/s00216-019-01971-3
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Corresponding author: No
- 18** Enrique Valera; Raül García-Febrero; Christopher T. Elliot; Francisco Sánchez-Baeza; M.-Pilar Marco. Electrochemical nanoprobe-based immunosensor for deoxynivalenol mycotoxin residues analysis in wheat samples. *Analytical and Bioanalytical Chemistry*. 411 - 9, pp. 1915 - 1926. Springer, 2019.



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Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

- 19** Marta Broto; J.-Pablo Salvador; Roger Galve; M.-Pilar Marco. Biobarcode Assay for the Oral Anticoagulant Acenocoumarol. *Talanta*. 178C, pp. 308 - 314. Elsevier, 2018.
DOI: 10.1016/j.talanta.2017.09.006
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- 20** J.-Pablo Salvador; Dolors Tassies; Joan-Carles Reverter; M.-Pilar Marco. Enzyme-Linked Immunosorbent Assays for Therapeutic Drug Monitoring Coumarin Oral Anticoagulants in Plasma. *Analytica Chimica Acta*. 1028, pp. 59 - 65. Elsevier, 2018.
DOI: 10.1016/j.aca.2018.04.042
Type of production: Scientific paper **Format:** Journal
- 21** Ana Sanchis; J.-Pablo Salvador; Katrina Campbell; Christopher T. Elliot; Weilin L. Shiever; Qing X. Li; M.-Pilar Marco. Fluorescent Microarray for Multiplexed Quantification of Environmental Contaminants in Seawater Samples. *Talanta*. 184, pp. 499 - 506. Elsevier, 2018.
DOI: 10.1016/j.talanta.2018.03.036
Type of production: Scientific paper **Format:** Journal
- 22** Sonia Matas; Marta Broto; Mercè Corominas; Ramon Lleonart; Ruth Babington; M.-Pilar Marco; R Galve. Immediate Hypersensitivity to Penicillins. Identification of a New Antigenic Determinant. *Journal of Pharmaceutical and Biomedical Analysis*. 148, pp. 17 - 23. Elsevier, 2018.
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Type of production: Scientific paper **Format:** Journal
- 23** Peter Fruhmann; Ana Sanchis; Lisa Mayerhuber; Tünde Vanka; Christophe Kleber; J.-Pablo Salvador; M.-Pilar Marco. Immunoassay and amperometric biosensor approaches for the detection of deltamethrin in seawater. *Analytical and Bioanalytical Chemistry*. 410, pp. 5923 - 5930. 2018.
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Corresponding author: Yes
- 24** Blanca Chocarro-Ruiz; Sonia Herranz; Adrià Fernández-Gavela; Josep Sanchis; Marinella Farré; M.-Pilar Marco; Laura M. Lechuga. Interferometric nanoimmunosensor for label-free and real-time monitoring of Irgarol 1051 in seawater. *Biosensors and Bioelectronics*. 117, pp. 47 - 52. Elsevier, 2018.
DOI: 10.1016/j.bios.2018.05.044
Type of production: Scientific paper **Format:** Journal
- 25** Sonia Herranz; Marzia Marciello; M.-Pilar Marco; Jose L. Garcia-Fierro; Jose M. Guisan; M.-Cruz Moreno-Bondi. Multiplex environmental pollutant analysis using an array biosensor coated with chimeric hapten-dextran-lipase constructs. *Sensors & Actuators B: Chemical*. 257, pp. 256 - 262. Elsevier, 2018.
DOI: 10.1016/j.snb.2017.10.134
Type of production: Scientific paper **Format:** Journal
- 26** E. Cristina Peláez; Alejandro Portela; J.-Pablo Salvador; M.-Pilar Marco; Laura M. Lechuga. Nanoplasmonic biosensor device for the monitoring of Acenocoumarol Therapeutic Drug in Plasma *Biosensors and Bioelectronics*. 119, pp. 149 - 155. Elsevier, 2018.
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Type of production: Scientific paper **Format:** Journal



- 27** J.-Pablo Salvador; Ester Vila-Roca; Nuria Monfort; Rosa Ventura; M.-Pilar Marco. New Approach Based on Immunochemical Techniques for Monitoring of Selective Estrogen Receptor Modulators (SERMS) in Human Urine. *Journal of Pharmaceutical and Biomedical Analysis*. 156, pp. 147 - 152. Elsevier, 2018.
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- 28** Alejandro Hernandez-Albors; Gloria Colom; J.-Pablo Salvador; M.-Pilar Marco. Studies towards hcTnI immunodetection using electrochemical approaches based on magnetic microbeads. *Sensors*. 18 - 8, pp. 2457 - 2462. MDPI, 2018.
DOI: 10.3390/s18082457
Type of production: Scientific paper
- 29** Marc Castellarnau; Javier Ramón Azcón; Yolanda Gonzalez Quinteiro; Jordi F. López; Joan O. Grimalt; María-Pilar Marco; Mark Nieuwenhuijsen; Albert Picado. Assessment of analytical methods to determine pyrethroids content of bednets. *Tropical Medicine and International Health*. 22 - 1, pp. 41 - 51. Wiley, 2017.
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Corresponding author: No
- 30** Marta Broto; Rita McCabe; Roger Galve; Pilar Marco. High throughput immunoassay for the therapeutic drug monitoring of tegafur. *Analyst*. 142 - 13, pp. 2404 - 2410. RSC, 2017.
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Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 31** Nuria Tort; J.-Pablo Salvador Vico; M.-Pilar Marco. Multimodal Plasmonic Biosensing Nanostructures Prepared by DNA-Directed immobilization of Multifunctional DNA-Gold Nanoparticles. *Biosensors and Bioelectronics*. 90, pp. 13 - 22. Elsevier, 2017.
DOI: 10.1016/j.bios.2016.11.022
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 32** Nadia El Alami El Hassani; Abdoullatif Baraket; Ernando Taveira Tenório-Neto; Michael Lee; J.-Pablo Salvador; M.-Pilar Marco; Joan Bausells; Nezha El Bari; Banachir Bouchikhi; Abdelhamid Elaissari; Abdelhamid Errachid; Nadia Zine. Novel strategy for sulfapyridine detection using a fully integrated electrochemical Bio-MEMS: Application to honey analysis. *Biosensors and Bioelectronics*. 93, pp. 282 - 288. Elsevier, 2017.
DOI: 10.1016/j.bios.2016.08.083
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 33** Marta Sanmarti-Espinal; Patrizia Iavicoli; Annalisa Calò; Marta Taulés; Roger Galve; M.-Pilar Marco; Josep Samitier. Quantification of interacting cognate odorants with olfactory receptors in nanovesicles. *Scientific Reports*. 7 - 1, pp. 17483 - 17494. Nature, 2017.
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Corresponding author: No
- 34** M Broto; R Galve; P Marco. Sandwich NP-based Biobarcode Assay for quantification C-reactive Protein in Plasma Samples. *Analytica Chimica Acta*. 992, pp. 112 - 118. Elsevier, 2017.
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Type of production: Scientific paper **Format:** Journal



- 35** J.-Pablo Salvador; M.-Pilar Marco. Amperometric biosensor for continuous monitoring Irgarol 1051 in sea water. *Electroanalysis*. 28 - 8, pp. 1833 - 1838. Wiley, 2016.
DOI: 10.1002/elan.201600172
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Corresponding author: Yes
- 36** Carme Pastells; Nuria Pascual; Francisco José Sánchez Baeza; M.-Pilar Marco. Immunochemical determination of piocyanin and 1-hydroxyphenazine as potential biomarkers of *Pseudomonas aeruginosa* infections. *Analytical Chemistry*. 88 - 3, pp. 1631 - 1638. ACS Publications, 2016.
DOI: 10.1021/acs.analchem.5b03490
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Corresponding author: Yes
- 37** Marta Sanmartí Espinal; Patrizia Iavicoli; Marie-Annick Persuy; Edith Pajot Augy; M.-Pilar Marco; Josep Samitier. Immunochemical strategy for quantification of G-coupled olfactory receptor proteins on natural vesicles. *Colloids and Surfaces B: Biointerfaces*. 139, pp. 269 - 276. Elsevier, 2016.
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- 38** Carme Pastells; M.-Pilar Marco; David Merino; Pablo Loza Alvarez; Laura Pasquardini; Lorenzo Lunelli; Cecilia Pederzoli; Nicola Daldosso; Daniele Farnesi; Simone Berneschi; Giancarlo C. Righini; Franco Quercioli; Gualterio Nunzi Conti; Silvia Soria. Two photon versus one photon fluorescence excitation in whispering gallery mode microresonators. *Journal of Luminescence*. 170, pp. 860 - 865. Elsevier, 2016.
DOI: 10.1016/j.jlumin.2015.07.013
Type of production: Scientific paper **Format:** Journal
- 39** María Diaz Gonzalez; J.-Pablo Salvador; Diana Bonilla; M.-Pilar Marco; César Fernandez Sanchez; Antoni Baldi. A microfluidic device for the automated electrical readout of low-density glass-slide microarrays. *Biosensors and Bioelectronics*. 74, pp. 698 - 704. Elsevier, 2015.
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- 40** Carme Pastells; Gerardo Acosta; Núria Pascual; Fernando Albericio; Miriam Royo; M.-Pilar Marco. An immunochemical strategy based on peptidoglycan synthetic peptide epitopes to diagnose *Staphylococcus aureus* infections. *Analytica Chimica Acta*. 889, pp. 203 - 211. Elsevier, 2015.
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Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 41** Ramatu Ashu Tufa; Daniel G. Pinacho; Nuria Pascual; Mercè Granados; Ramon Companyo; M.-Pilar Marco. Development and Validation of an Enzyme-Linked Immunosorbent Assay (ELISA) for Fluoroquinolones in Animal Feeds. *Food Control*. 57, pp. 195 - 201. Elsevier, 2015.
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Corresponding author: Yes
- 42** Marta Broto; Sonia Matas; Ruth Babington; M.-Pilar Marco; Roger Galve. Immunochemical detection of penicillins by using biohybrid magnetic particles. *Food Control*. 51, pp. 381 - 389. Elsevier, 2015.
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- 43** Alex Muriano; Vincent Chabbottaux; Jean Marc Diserens; Benoit Granier; Francisco Sanchez Baeza; M.-Pilar Marco. Rapid Immunochemical Analysis of the Sulfonamide-Sugar Conjugated Fraction of Antibiotic Contaminated Honey Samples. *Food Chemistry*. 178, pp. 156 - 163. Elsevier, 2015.
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- 44** Enrique Valera; Raul Garcia Febrero; Isabel Pividori; Francisco Sanchez Baeza; M.-Pilar Marco. Coulombimetric immunosensor for paraquat based on electrochemical nanopores. *Sensors and Actuators B: Chemical*. 194, pp. 353 - 360. Elsevier, 2014.
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- 45** Benjamin Sanchez; Didac Vega; Angel Rodriguez; Ramon Bragos; M.-Pilar Marco; Enrique Valera. Development and impedimetric evaluation of a magnetic interdigitated microelectrode. *Sensors and Actuators B: Chemical*. 203, pp. 444 - 451. Elsevier, 2014.
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Type of production: Scientific paper **Format:** Journal
- 46** Daniel Pinacho; Francisco Sanchez Baeza; M.-Isabel Pividori; M.-Pilar Marco. Electrochemical detection of fluoroquinolone antibiotics in milk using a magneto immunosensor. *Sensors*. 14 - 9, pp. 15965 - 15980. MDPI, 2014.
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Corresponding author: Yes
- 47** Theofylaktos Apostolou; Nuria Pascual; M.-Pilar Marco; Anastassios Moschos; Anastassios Petropoulos; Grigoris Kaltsas; Spyridon Kintzios. Extraction-less, rapid assay for the direct detection of 2,4,6-trichloroanisole (TCA) in cork samples. *Talanta*. 125, pp. 336 - 340. Elsevier, 2014.
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- 48** Fátima Fernández; Daniel G. Pinacho; Marta Gratacós Cubarsí; José Antonio García Regueiro; Massimo Castellari; Francisco Sánchez Baeza; M.-Pilar Marco. Immunochemical determination of fluoroquinolone antibiotics in cattle hair: a strategy to ensure food safety. *Food Chemistry*. 157, pp. 221 - 228. Elsevier, 2014.
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Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 49** Berta Esteban Fernández de Ávila; Susana Campuzano; Maria Pedrero; J.-Pablo Salvador; M.-Pilar Marco; Jose M^a Pingarrón. Lipoprotein(a) determination in human serum using a nitrilotriacetic acid derivative immunosensing scaffold on disposable electrodes. *Analytical and Bioanalytical Chemistry*. 406 - 22, pp. 5379 - 5387. Springer, 2014.
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Type of production: Scientific paper **Format:** Journal
- 50** Raul Garcia Febrero; J.-Pablo Salvador; Francisco Sanchez Baeza; M.-Pilar Marco. Rapid method based on immunoassay for determination of paraquat residues in wheat, barley and potato. *Food Control*. 41, pp. 193 - 201. Elsevier, 2014.
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- 51** María Mallen; María Diaz Gonzalez; Diana Bonilla; J.-Pablo Salvador; M.-Pilar Marco; Antoni Baldi; César Fernandez Sanchez. Reusable conductimetric array of interdigitated microelectrodes for the readout of low-density microarrays. *Analytica Chimica Acta*. 832, pp. 44 - 50. Elsevier, 2014.
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Type of production: Scientific paper **Format:** Journal
- 52** Alex Muriano; Daniel G. Pinacho; Vincent Chabottaux; J.-Marc Diserens; Benoit Granier; Susan Stead; Francisco Sanchez Baeza; M.-Isabel Pividori; M.-Pilar Marco. A portable electrochemical magnetoimmunosensor for detection of sulfonamide antimicrobials in honey. *Analytical and Bioanalytical Chemistry*. 405 - 24, pp. 7885 - 7895. Springer, 2013.
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Type of production: Scientific paper **Format:** Journal
- 53** Raul Garcia Febrero; Enrique Valera; Alejandro Muriano; M.-Isabel Pividori; Francisco Sanchez Baeza; M.-Pilar Marco. An electrochemical magneto immunosensor (EMIS) for the determination of paraquat residues in potato samples. *Analytical and Bioanalytical Chemistry*. 405 - 24, pp. 7841 - 7849. Springer, 2013.
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Type of production: Scientific paper **Format:** Journal
- 54** Anna Alemany; Nuria Sanvicens; Sara de Lorenzo; M.-Pilar Marco; Felix Ritort. Bond Elasticity Controls Molecular Recognition Specificity in Antibody–Antigen Binding. *Nano Letters*. 13 - 11, pp. 5197 - 5202. ACS Publications, 2013.
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Type of production: Scientific paper **Format:** Journal
- 55** Enrique Valera; Alejandro Muriano; Isabel Pividori; Francisco Sanchez Baeza; M.-Pilar Marco. Development of a Coulombimetric immunosensor based on specific antibodies labeled with CdS nanoparticles for sulfonamide antibiotic residues analysis and its application to honey samples. *Biosensors and Bioelectronics*. 43, pp. 211 - 217. Elsevier, 2013.
DOI: 10.1016/j.bios.2012.12.017
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 56** Felipe Conzuelo; Susana Campuzano; Maria Gamella; Daniel G. Pinacho; Julio Reviejo; M.-Pilar Marco; José M. Pingarron. Integrated disposable electrochemical immunosensors for the simultaneous determination of sulfonamide and tetracycline antibiotics residues in milk. *Biosensors and Bioelectronics*. 50, pp. 100 - 105. Elsevier, 2013.
DOI: 10.1016/j.bios.2013.06.019
Type of production: Scientific paper **Format:** Journal
- 57** Berta Esteban Fernandez-de Argüelles; Vanessa Escamilla Gomez; Susana Campuzano; María Pedrero; J.-Pablo Salvador; M.-Pilar Marco; José M. Pingarrón. Ultrasensitive amperometric magnetoimmunosensor for human C-reactive protein quantification in serum. *Sensors and Actuators B: Chemical*. 188, pp. 212 - 220. Elsevier, 2013.
DOI: 10.1016/j.snb.2013.07.026
Type of production: Scientific paper **Format:** Journal
- 58** Llibertat Abad; Francisco Javier del Campo; Francesc Xavier Muñoz; Luis J. Fernandez; Daniel Calavia; Gloria Colom; Juan P. Salvador; María Pilar Marco; Vanessa Escamilla Gomez; Berta Esteban Fernandez-de Ávila; Susana Campuzano; María Pedrero; José M. Pingarron; Neus Godino; Robert Gorkin; Jens Ducree. Design and fabrication of a COP-based microfluidic chip: Chronoamperometric detection of Troponin T. *Electrophoresis*. 33 - 21, pp. 3187 - 3194. Wiley, 2012.
DOI: 10.1002/elps.201200225
Type of production: Scientific paper **Format:** Journal

- 59** Nuria Sanvicens; Begoña Varela; Berta Ballesteros; M.-Pilar Marco. Development of an immunoassay for terbutryn: Study of the influence of the immunization protocol. *Talanta*. 89, pp. 310 - 316. Elsevier, 2012.
DOI: 10.1016/j.talanta.2011.12.033
Type of production: Scientific paper **Format:** Journal
- 60** Felipe Conzuelo; Maria Gamella; Susana Campuzano; Daniel G. Pinacho; A. Julio Reviejo; M.-Pilar Marco; Jose M. Pingarron. Disposable and integrated amperometric immunosensor for direct determination of sulfonamide antibiotics in milk. *Biosensors and Bioelectronics*. 36 - 1, pp. 81 - 88. Elsevier, 2012.
DOI: 10.1016/j.bios.2012.03.044
Type of production: Scientific paper **Format:** Journal
- 61** Daniel G. Pinacho; Francisco Sanchez Baeza; M.-Pilar Marco. Molecular Modeling Assisted Hapten Design To Produce Broad Selectivity Antibodies for Fluoroquinolone Antibiotics. *Analytical Chemistry*. 84 - 10, pp. 4527 - 4534. ACS Publications, 2012.
DOI: 10.1021/ac300263m
Type of production: Scientific paper **Format:** Journal
- 62** Nuria Tort; J.-Pablo Salvador; M.-Pilar Marco. Multiplexed immunoassay to detect anabolic androgenic steroids in human serum. *Analytical and Bioanalytical Chemistry*. 403 - 5, pp. 1361 - 1371. Springer, 2012.
DOI: 10.1007/s00216-012-5904-z
Type of production: Scientific paper **Format:** Journal
- 63** Fátima Fernández; Francisco Sanchez Baeza; M.-Pilar Marco. Nanogold probe enhanced Surface Plasmon Resonance immunosensor for improved detection of antibiotic residues. *Biosensors and Bioelectronics*. 34 - 1, pp. 151 - 158. Elsevier, 2012.
DOI: 10.1016/j.bios.2012.01.036
Type of production: Scientific paper **Format:** Journal
- 64** Javier Adrián; Fátima Fernandez; Francisco Sanchez Baeza; M.-Pilar Marco. Preparation of Antibodies and Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for the Determination of Doxycycline Antibiotic in Milk Samples. *Journal of Agricultural and Food Chemistry*. 60 - 15, pp. 3837 - 3846. ACS Publications, 2012.
DOI: 10.1021/jf2053355
Type of production: Scientific paper **Format:** Journal
- 65** Núria Tort; J.-Pablo Salvador; Anna Aviño; Ramón Eritja; Jordi Comelles; Elena Martínez; Josep Samitier; M.-Pilar Marco. Synthesis of Steroid-Oligonucleotide Conjugates for a DNA Site-Encoded SPR Immunosensor. *Bioconjugate Chemistry*. 23 - 11, pp. 2183 - 2191. ACS Publications, 2012.
DOI: 10.1021/bc300138p
Type of production: Scientific paper **Format:** Journal
- 66** Andrey Bratov; Natalia Abramova; M.-Pilar Marco; Francisco Sanchez Baeza. Three-Dimensional Interdigitated Electrode Array as a Tool for Surface Reactions Registration. *Electroanalysis*. 24 - 1, pp. 69 - 75. Wiley, 2012.
DOI: 10.1002/elan.201100392
Type of production: Scientific paper **Format:** Journal
- 67** Alejandro Muriano; K.N. Anisha Thayil; J.-Pablo Salvador; Pablo Loza Alvarez; Silvia Soria; Roger Galve; M.-Pilar Marco. Two-photon fluorescent immunosensor for androgenic hormones using resonant grating waveguide structures. *Sensors and Actuators B: Chemical*. 174, pp. 394 - 401. Elsevier, 2012. ISSN 0925-4005
DOI: 10.1016/j.snb.2012.08.006
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - CHEMISTRY, ANALYTICAL



Impact index in year of publication: 3.535
Position of publication: 11

Journal in the top 25%: Yes
No. of journals in the cat.: 75

- 68** Núria Miguel Sancho; Oscar Bomati Miguel; Glòria Colom; J.-Pablo Salvador; M.-Pilar Marco; Jesús Santamaria. Development of Stable, Water-Dispersible, and Biofunctionalizable Superparamagnetic Iron Oxide Nanoparticles. *Chemistry of Materials*. 23 - 11, pp. 2795 - 2802. ACS Publications, 2011.
DOI: 10.1021/cm1036452
Type of production: Scientific paper **Format:** Journal
- 69** Vassileios Varelas; Nuria Sanvicens; M.-Pilar Marco; Spiridon Kintzios. Development of a cellular biosensor for the detection of 2,4,6-trichloroanisole (TCA). *Talanta*. 84 - 3, pp. 936 - 940. Elsevier, 2011. ISSN 0039-9140
DOI: 10.1016/j.talanta.2011.02.029
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - CHEMISTRY, ANALYTICAL
Impact index in year of publication: 3.794 **Journal in the top 25%:** Yes
Position of publication: 12 **No. of journals in the cat.:** 73
- 70** C. Gomez; O.J. Pozo; R. Diaz; J.V. Sancho; E. Vilaroca; J.P. Salvador; M.P. Marco; F. Hernandez; J. Segura; R. Ventura. Mass spectrometric characterization of urinary toremifene metabolites for doping control analyses. *Journal of Chromatography A*. 1218 - 29, pp. 4727 - 4737. Elsevier, 2011.
DOI: 10.1016/j.chroma.2011.05.073
Type of production: Scientific paper **Format:** Journal
- 71** Fátima Fernández; Daniel G. Pinacho; Francisco Sanchez Baeza; M.-Pilar Marco. Portable surface plasmon resonance immunosensor for the detection of fluoroquinolone antibiotic residues in milk. *Journal of Agricultural and Food Chemistry*. 59 - 9, pp. 5036 - 5043. ACS Publications, 2011.
DOI: 10.1021/jf1048035
Type of production: Scientific paper **Format:** Journal
- 72** Daniel Calvo; Núria Tort; J.-Pablo Salvador; M.-Pilar Marco; Fabiana Centi; Santiago Marco. Preliminary study for simultaneous detection and quantification of androgenic anabolic steroids using ELISA and pattern recognition techniques. *Analyst*. 136 - 19, pp. 4045 - 4052. Royal Society of Chemistry, 2011.
DOI: 10.1039/C1AN15114B
Type of production: Scientific paper **Format:** Journal
- 73** Nuria Sanvicens; Nuria Pascual; Maria Teresa Fernandez Argüelles; Javier Adrián; José Manuel Costa Fernández; Francisco Sánchez Baeza; Alfredo Sanz Medel; M.-Pilar Marco. Quantum dot-based array for sensitive detection of *Escherichia coli*. *Analytical and Bioanalytical Chemistry*. 399 - 8, pp. 2755 - 2762. Springer, 2011.
DOI: 10.1007/s00216-010-4624-5
Type of production: Scientific paper **Format:** Journal
- 74** J.-Pablo Salvador; Francisco Sanchez Baeza; M.-Pilar Marco. A high-throughput screening (HTS) immunochemical method for the analysis of stanozolol metabolites in cattle urine samples. *Journal of Chromatography B*. 878 - 2, pp. 243 - 252. Elsevier, 2010. ISSN 1570-0232
DOI: 10.1016/j.jchromb.2009.08.027
Type of production: Scientific paper **Format:** Journal
- 75** Fátima Fernández; Katerina Hegnerova; Marek Piliarik; Francisco Sanchez Baeza; Jiri Homola; M.-Pilar Marco. A label-free and portable multichannel surface plasmon resonance immunosensor for on site analysis of antibiotics in milk samples. *Biosensors & Bioelectronics*. 26 - 4, pp. 1231 - 1238. Elsevier, 2010. ISSN 0956-5663
DOI: 10.1016/j.bios.2010.06.012



Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 5.361
Position of publication: 1

Format: Journal
Category: Science Edition - ELECTROCHEMISTRY
Journal in the top 25%: Yes
No. of journals in the cat.: 26

- 76** Javier Ramón Azcón; Tomoyuki Yasukawa; Hyun Jung Lee; Tomokazu Matsue; Francisco Sanchez Baeza; Maria Pilar Marco; Fumio Mizutani. Competitive multi-immunosensing of pesticides based on the particle manipulation with negative dielectrophoresis. *Biosensors and Bioelectronics*. 25 - 8, pp. 1928 - 1933. Elsevier, 2010. ISSN 0956-5663

DOI: 10.1016/j.bios.2010.01.006

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 5.361
Position of publication: 1

Format: Journal
Category: Science Edition - ELECTROCHEMISTRY
Journal in the top 25%: Yes
No. of journals in the cat.: 26

- 77** Enrique Valera; Javier Ramón Azcón; Alejandro Barranco; Begoña Alfaro; Francisco Sánchez Baeza; M.-P. Marco; Angel Rodriguez. Determination of atrazine residues in red wine samples. A conductimetric solution. *Food Chemistry*. 122 - 3, pp. 888 - 894. Elsevier, 2010. ISSN 0308-8146

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 3.458
Position of publication: 5

Format: Journal
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128

- 78** Enrique Valera; Javier Ramón Azcón; Alejandro Barranco; Begoña Alfaro; Francisco Sánchez Baeza; M.-Pilar Marco; Ángel Rodríguez. Determination of atrazine residues in red wine samples. A conductimetric solution. *Food Chemistry*. 122 - 3, pp. 888 - 894. Elsevier, 2010.

DOI: 10.1016/j.foodchem.2010.03.030

Type of production: Scientific paper

Format: Journal

- 79** Maria Teresa Martínez; Yu-Chih Tseng; Juan Pablo Salvador; Maria Pilar Marco; Nerea Ormategui; Iraida Loinaz; Jeffrey Bokor. Electronic Anabolic Steroid Recognition with Carbon Nanotube Field-Effect Transistors. *ACS Nano*. 4 - 3, pp. 1473 - 1480. ACS Publications, 2010.

DOI: 10.1021/nn901547b

Type of production: Scientific paper

Format: Journal

- 80** Nerea Argarate; María Arestin; Javier Ramon Azcon; Begoña Alfaro; Alejandro Barranco; Francisco Sanchez Baeza; M.-Pilar Marco. Evaluation of Immunoassays as an Alternative for the Rapid Determination of Pesticides in Wine and Grape samples. *Journal of AOAC International*. 93 - 1, pp. 2 - 11. Oxford Academic, 2010.

PMID: 20334160

Type of production: Scientific paper

Format: Journal

- 81** N.V. Beloglazova; I.Yu Goryacheva; T.Yu Rusanova; N.A. Yurasov; R. Galve; M.-P. Marco; S. de Saeger. Gel-based immunotest for simultaneous detection of 2,4,6-trichlorophenol and ochratoxin A in red wine. *Analytica Chimica Acta*. 672 - 1-2, pp. 3 - 8. Elsevier, 2010.

DOI: 10.1016/j.aca.2010.05.024

Type of production: Scientific paper

Format: Journal

- 82** Vanesa Jiménez; Javier Adrian; Jacinto Guiteras; Maria-Pilar Marco; Ramon Companyó. Validation of an Enzyme-Linked Immunosorbent Assay for Detecting Sulfonamides in Feed Resources. *Journal of Agricultural and Food Chemistry*. 58 - 13, pp. 7526 - 7531. ACS Publications, 2010.

**DOI:** 10.1021/jf1011616**Type of production:** Scientific paper**Format:** Journal

- 83** M. Barreiros dos Santos; C. Sporer; N. Sanvicens; N. Pascual; A. Errachid; E. Martínez; M.-P. Marco; V. Teixeira; J. Samitier. Detection of pathogenic Bacteria by Electrochemical Impedance Spectroscopy: Influence of the immobilization strategies on the sensor performance. *Procedia Chemistry*. 1 - 1, pp. 1291 - 1294. Elsevier, 2009. ISSN 1876-6196

DOI: 10.1016/j.proche.2009.07.322**Type of production:** Scientific paper**Format:** Journal

- 84** Javier Ramón Azcón; Ryouta Kunikata; F.-J. Sanchez; M.-P. Marco; Hitoshi Shiku; Tomoyuki Yasukawa; Tomokazu Matsue. Detection of pesticide residues using an immunodevice based on negative dielectrophoresis. *Biosensors and Bioelectronics*. 24 - 6, pp. 1592 - 1597. Elsevier, 2009. ISSN 0956-5663

DOI: 10.1016/j.bios.2008.08.035**Type of production:** Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Science Edition - ELECTROCHEMISTRY**Impact index in year of publication:** 5.429**Journal in the top 25%:** Yes**Position of publication:** 1**No. of journals in the cat.:** 24

- 85** Javier Ramón Azcón; Francisco Sánchez Baeza; Nuria Sanvicens; M.-Pilar Marco. Development of an Enzyme-Linked Immunosorbent Assay for Determination of the Miticide Bromopropylate. *Journal of Agricultural and Food Chemistry*. 57 - 2, pp. 375 - 384. ACS Publications, 2009. ISSN 0021-8561

DOI: 10.1021/jf802821n**Type of production:** Scientific paper**Format:** Journal

- 86** Nuria Tort; J.-Pablo Salvador; Ramón Eritja; Marta Poch; Elena Martínez; Josep Samitier; M.-Pilar Marco. Fluorescence site-encoded DNA addressable hapten microarray for anabolic androgenic steroids. *TrAC Trends in Analytical Chemistry*. 28 - 6, pp. 718 - 728. Elsevier, 2009. ISSN 0165-9936

DOI: 10.1016/j.trac.2009.04.003**Type of production:** Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Science Edition - CHEMISTRY, ANALYTICAL**Impact index in year of publication:** 6.546**Journal in the top 25%:** Yes**Position of publication:** 1**No. of journals in the cat.:** 70

- 87** Javier Adrian; Héctor Font; Jean-Marc Diserens; Francisco Sánchez Baeza; M.-Pilar Marco. Generation of Broad Specificity Antibodies for Sulfonamide Antibiotics and Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for the Analysis of Milk Samples. *Journal of Agricultural and Food Chemistry*. 57 - 2, pp. 385 - 394. ACS Publications, 2009. ISSN 0021-8561

DOI: 10.1021/jf8027655**Type of production:** Scientific paper**Format:** Journal

- 88** A. Lermo; S. Fabiano; S. Hernández; R. Galve; M.-P. Marco; S. Alegret; M.I. Pividori. Immunoassay for folic acid detection in vitamin-fortified milk based on electrochemical magneto sensors. *Biosensors and Bioelectronics*. 24 - 7, pp. 2057 - 2063. Elsevier, 2009. ISSN 0956-5663

DOI: 10.1016/j.bios.2008.10.020**Type of production:** Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Science Edition - ELECTROCHEMISTRY**Impact index in year of publication:** 5.429**Journal in the top 25%:** Yes**Position of publication:** 1**No. of journals in the cat.:** 24



- 89** Fabien Giroud; Karine Gorgy; Chantal Gondran; Serge Cosnier; Daniel G. Pinacho; M.-Pilar Marco; Francisco J. Sanchez Baeza. Impedimetric Immunosensor Based on a Polypyrrole-Antibiotic Model Film for the Label-Free Picomolar Detection of Ciprofloxacin. *Analytical Chemistry*. 81 - 20, pp. 8405 - 8409. ACS Publications, 2009. ISSN 0003-2700
DOI: 10.1021/ac901290m
Type of production: Scientific paper **Format:** Journal
- 90** Mónica González; Núria Tort; Ana Maria Benito; Wolfgang Maser; Maria Pilar Marco; Maria Teresa Martínez. Non-Specific Adsorption of Streptavidin on Single Walled Carbon Nanotubes. *Journal of Nanoscience and Nanotechnology*. 9 - 10, pp. 6149 - 6156. American Scientific Publishers, 2009.
DOI: 10.1166/jnn.2009.1576
Type of production: Scientific paper **Format:** Journal
- 91** Javier Adrian; Marta Gratacós Cubarsí; Francisco Sanchez Baeza; Jose-Antonio Garcia Reguiero; Massimo Castellari; M.-Pilar Marco. Traceability of sulfonamide antibiotic treatment by immunochemical analysis of farm animal hair samples. *Analytical and Bioanalytical Chemistry*. 395 - 4, pp. 1009 - 1016. Springer, 2009.
DOI: 10.1007/s00216-009-2878-6
Type of production: Scientific paper **Format:** Journal
- 92** Javier Adrian; Stéphanie Pasche; Jean-Marc Diserens; Francisco Sánchez Baeza; Hui Gao; M.-Pilar Marco; Guy Voirin. Waveguide interrogated optical immunosensor (WIOS) for detection of sulfonamide antibiotics in milk. *Biosensors and Bioelectronics*. 24 - 11, pp. 3340 - 3346. Elsevier, 2009.
DOI: 10.1016/j.bios.2009.04.036
Type of production: Scientific paper **Format:** Journal
- 93** Javier Adrian; Stéphanie Pasche; Daniel G. Pinacho; Héctor Font; Jean-Marc Diserens; Francisco Sanchez Baeza; Benoit Granier; Guy Voirin; M.-Pilar Marco. Wavelength-interrogated optical biosensor for multi-analyte screening of sulfonamide, fluoroquinolone, [beta]-lactam and tetracycline antibiotics in milk. *TrAC Trends in Analytical Chemistry*. 28 - 6, pp. 769 - 777. Elsevier, 2009.
DOI: 10.1016/j.trac.2009.04.011
Type of production: Scientific paper **Format:** Journal
- 94** Javier Adrian; Daniel G. Pinacho; Benoit Granier; Jean-Marc Diserens; Francisco Sánchez Baeza; M.-Pilar Marco. A multianalyte ELISA for immunochemical screening of sulfonamide, fluoroquinolone and β -lactam antibiotics in milk samples using class-selective bioreceptors. *Analytical and Bioanalytical Chemistry*. 391 - 5, pp. 1703 - 1712. Springer, 2008.
DOI: 10.1007/s00216-008-2106-9
Type of production: Scientific paper **Format:** Journal
- 95** Javier Ramón Azcón; Enrique Valera; Angel Rodríguez; Alejandro Barranco; Begoña Alfaro; Francisco Sanchez Baeza; M.-Pilar Marco. An impedimetric immunosensor based on interdigitated microelectrodes (IDmicroE) for the determination of atrazine residues in food samples. *Biosensors and Bioelectronics*. 23 - 9, pp. 1367 - 1373. Elsevier, 2008.
DOI: 10.1016/j.bios.2007.12.010
Type of production: Scientific paper **Format:** Journal
- 96** Andrey Bratov; Natalia Abramova; Javier Ramón Azcón; Angel Merlos; Francisco Sanchez Baeza; Maria-Pilar Marco; Carlos Domínguez. Characterisation of the interdigitated electrode array with tantalum silicide electrodes separated by insulating barriers. *Electrochemistry Communications*. 10 - 10, pp. 1621 - 1624. Elsevier, 2008.
DOI: 10.1016/j.elecom.2008.07.037
Type of production: Scientific paper **Format:** Journal



- 97** Mark P. Kreuzer; Romain Quidant; J.Pablo Salvador; M.-Pilar Marco; Gonçal Badenes. Colloidal-based localized surface plasmon resonance (LSPR) biosensor for the quantitative determination of stanozolol. *Analytical and Bioanalytical Chemistry*. 391 - 5, pp. 1813 - 1820. Springer, 2008. ISSN 1618-2642
DOI: 10.1007/s00216-008-2022-z
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - CHEMISTRY, ANALYTICAL
Impact index in year of publication: 3.328 **Journal in the top 25%:** Yes
Position of publication: 9 **No. of journals in the cat.:** 70
- 98** Enrique Valera; Javier Ramón Azcón; Francisco Sanchez Baeza; M.-Pilar Marco; Angel Rodríguez. Conductimetric immunosensor for atrazine detection based on antibodies labelled with gold nanoparticles. *Sensors and Actuators B: Chemical*. 134 - 1, pp. 95 - 103. Elsevier, 2008.
DOI: 10.1016/j.snb.2008.04.023
Type of production: Scientific paper **Format:** Journal
- 99** Georgios Tsekenis; Goulielmos Garifallou; Frank Davis; Paul A. Millner; Daniel G. Pinacho; Francisco Sanchez Baeza; M.-Pilar Marco; Tim D. Gibson; Seamus P.J. Higson. Detection of Fluoroquinolone Antibiotics in Milk via a Labelless Immunoassay Based upon an Alternating Current Impedance Protocol. *Analytical Chemistry*. 80 - 23, pp. 9233 - 9239. ACS Publications, 2008.
DOI: 10.1021/ac8014752
Type of production: Scientific paper **Format:** Journal
- 100** M.-Carmen Estévez; Roger Galve; Francisco Sanchez Baeza; M.-Pilar Marco. Disulfide Symmetric Dimers as Stable Pre-Hapten Forms for Bioconjugation: A Strategy to Prepare Immunoreagents for the Detection of Sulfophenyl Carboxylate Residues in Environmental Samples. *Chemistry - A European Journal*. 14 - 6, pp. 1906 - 1917. Wiley, 2008.
DOI: 10.1002/chem.200701232
Type of production: Scientific paper **Format:** Journal
- 101** D.G. Pinacho; K. Gorgy; S. Cosnier; M.P. Marco; F.J. Sanchez Baeza. Electrogeneration of polymer films functionalized by fluoroquinolone models for the development of antibiotic immunosensor. *IRBM*. 29 - 2-3, pp. 181 - 186. Elsevier, 2008. ISSN 1959-0318
DOI: 10.1016/j.rbmret.2007.11.006
Type of production: Scientific paper **Format:** Journal
- 102** Mikaela Nichkova; Mark Germani; M.-Pilar Marco. Immunochemical Analysis of 2,4,6-Tribromophenol for Assessment of Wood Contamination. *Journal of Agricultural and Food Chemistry*. 56 - 1, pp. 29 - 34. ACS Publications, 2008.
DOI: 10.1021/jf0721848
Type of production: Scientific paper **Format:** Journal
- 103** Héctor Font; Javier Adrian; Roger Galve; M.-Carmen Estevez; Massimo Castellari; Marta Gratacós Cubarsí; Francisco Sanchez Baeza; M.-Pilar Marco. Immunochemical Assays for Direct Sulfonamide Antibiotic Detection In Milk and Hair Samples Using Antibody Derivatized Magnetic Nanoparticles. *Journal of Agricultural and Food Chemistry*. 56 - 3, pp. 736 - 743. ACS Publications, 2008.
DOI: 10.1021/jf072550n
Type of production: Scientific paper **Format:** Journal
- 104** Anisha KN. Thayil; Alejandro Muriano; J.-Pablo Salvador; Roger Galve; Maria Pilar Marco; Dobryna Zalvidea; Pablo Loza Alvarez; Tsvi Katchalski; Eran Grinvald; Asher A. Friesem; Silvia Soria. Nonlinear immunofluorescent assay for androgenic hormones based on resonant structures. *Optics Express*. 16 - 17, pp. 13315 - 13322. OSA, 2008.



DOI: 10.1364/OE.16.013315

Type of production: Scientific paper

Format: Journal

- 105** Sonia Herranz; Javier Ramón Azcón; Elena Benito Peña; Maria Marazuela; Maria Marco; Maria Moreno Bondi. Preparation of antibodies and development of a sensitive immunoassay with fluorescence detection for triazine herbicides. *Analytical and Bioanalytical Chemistry*. 391 - 5, pp. 1801 - 1812. Springer, 2008. ISSN 1618-2642

DOI: 10.1007/s00216-008-1895-1

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - CHEMISTRY, ANALYTICAL

Impact index in year of publication: 3.328

Journal in the top 25%: Yes

Position of publication: 9

No. of journals in the cat.: 70

- 106** J.-Pablo Salvador; Francisco Sanchez Baeza; M.-Pilar Marco. Simultaneous immunochemical detection of stanozolol and the main human metabolite, 3'-hydroxy-stanozolol, in urine and serum samples. *Analytical Biochemistry*. 376 - 2, pp. 221 - 228. Elsevier, 2008.

DOI: 10.1016/j.ab.2008.02.009

Type of production: Scientific paper

Format: Journal

- 107** Ángel Rodríguez; Enrique Valera; Javier Ramón Azcón; Francisco Sanchez Baeza; M.-Pilar Marco; Luis M. Castañer. Single frequency impedimetric immunosensor for atrazine detection. *Sensors and Actuators B: Chemical*. 129 - 2, pp. 921 - 928. Elsevier, 2008.

DOI: 10.1016/j.snb.2007.10.003

Type of production: Scientific paper

Format: Journal

- 108** Mark P. Kreuzer; Romain Quidant; J.-Pablo Salvador; M.-Pilar Marco; Gonçal Badenes. Studies on toxic oil syndrome: development of an enzyme-linked immunosorbent assay for 3-(N -phenylamino)propane-1,2-diol in human urine. *Analytical and Bioanalytical Chemistry*. 391 - 2, pp. 617 - 624. Springer, 2008.

DOI: 10.1007/s00216-008-2022-z

Type of production: Scientific paper

Format: Journal

- 109** Andrey Bratov; Javier Ramón Azcón; Natalia Abramova; Angel Merlos; Javier Adrian; Francisco Sanchez Baeza; M.-Pilar Marco; Carlos Domínguez. Three-dimensional interdigitated electrode array as a transducer for label-free biosensors. *Biosensors and Bioelectronics*. 24 - 4, pp. 729 - 735. Elsevier, 2008.

DOI: 10.1016/j.bios.2008.06.057

Type of production: Scientific paper

Format: Journal

- 110** J.-Pablo Salvador; M.-Carmen Estévez; M.-Pilar Marco; Francisco Sanchez Baeza. A New Methodology for the Rational Design of Molecularly Imprinted Polymers. *Analytical Letters*. 40 - 7, pp. 1294 - 1306. Taylor & Francis, 2007.

DOI: 10.1080/00032710701326668

Type of production: Scientific paper

Format: Journal

- 111** Emanuela Zacco; Roger Galve; M.-Pilar Marco; Salvador Alegret; M.-Isabel Pividori. Electrochemical biosensing of pesticide residues based on affinity biocomposite platforms. *Biosensors and Bioelectronics*. 22 - 8, pp. 1707 - 1715. Elsevier, 2007.

DOI: 10.1016/j.bios.2006.07.037

Type of production: Scientific paper

Format: Journal

- 112** Emanuela Zacco; Javier Adrian; Roger Galve; M.-Pilar Marco; Salvador Alegret; M.-Isabel Pividori. Electrochemical magneto immunosensing of antibiotic residues in milk. *Biosensors and Bioelectronics*. 22 - 9-10, pp. 2184 - 2191. Elsevier, 2007.

DOI: 10.1016/j.bios.2006.10.014



Type of production: Scientific paper

Format: Journal

- 113** Enrique Valera; Javier Ramón Azcón; Ángel Rodríguez; Luis M. Castañer; Francisco Sanchez Baeza; M.-Pilar Marco. Impedimetric immunosensor for atrazine detection using interdigitated micro-electrodes (IDmicroE's). *Sensors and Actuators B: Chemical*. 125 - 2, pp. 526 - 537. Elsevier, 2007.

DOI: 10.1016/j.snb.2007.02.048

Type of production: Scientific paper

Format: Journal

- 114** Rodica E. Ionescu; Nicole Jaffrezic Renault; Laurent Bouffier; Chantal Gondran; Serge Cosnier; Daniel G. Pinacho; M.-Pilar Marco; Francisco J. Sanchez Baeza; Thomas Healey; Claude Martelet. Impedimetric immunosensor for the specific label free detection of ciprofloxacin antibiotic. *Biosensors and Bioelectronics*. 23 - 4, pp. 549 - 555. Elsevier, 2007.

DOI: 10.1016/j.bios.2007.07.014

Type of production: Scientific paper

Format: Journal

- 115** Goulielmos Garifallou; Georgios Tsekenis; Frank Davis; Seamus P.J. Higson; Paul A. Millner; Daniel G. Pinacho; Francisco Sanchez Baeza; M.-Pilar Marco; Timothy D. Gibson. Labelless Immunosensor Assay for Fluoroquinolone Antibiotics based upon an AC Impedance Protocol. *Analytical Letters*. 40, pp. 1412 - 1422. Taylor & Francis, 2007.

DOI: 10.1080/00032710701327070

Type of production: Scientific paper

Format: Journal

- 116** Marinella Farré; Elena Martínez; Javier Ramón; Jalena Radjenovic; Elba Mauriz; Laura Lechuga; M.-Pilar Marco; Damià Barcelo. Part per trillion determination of atrazine in natural water samples by a surface plasmon resonance immunosensor. *Analytical and Bioanalytical Chemistry*. 388 - 1, pp. 207 - 214. Springer, 2007.

DOI: 10.1007/s00216-007-1214-2

Type of production: Scientific paper

Format: Journal

- 117** J.-Pablo Salvador; Francisco Sanchez Baeza; M.-Pilar Marco. Preparation of Antibodies for the Designer Steroid Tetrahydrogestrinone and Development of an Enzyme-Linked Immunosorbent Assay for Human Urine Analysis. *Analytical Chemistry*. 79 - 10, pp. 3734 - 3740. 2007.

DOI: 10.1021/ac061757x

Type of production: Scientific paper

Format: Journal

- 118** K. Kramer; A. Hubauer; R. Lausterer; J.-P. Salvador; M.-P. Marco. Production of Antibodies for the Quantitative Detection of the Anabolically Active Androgens 17 β -Boldenone and Methylboldenone. *Analytical Letters*. 40 - 7, pp. 1461 - 1472. Taylor & Francis, 2007.

DOI: 10.1080/00032710701327112

Type of production: Scientific paper

Format: Journal

- 119** M.-Carmen Estévez; Mark Kreuzer; Francisco Sanchez Baeza; M.-Pilar Marco. Analysis of Nonylphenol: Advances and Improvements in the Immunochemical Determination Using Antibodies Raised against the Technical Mixture and Hydrophilic Immunoreagents. *Environmental Science & Technology*. 40 - 2, pp. 559 - 568. ACS Publications, 2006.

DOI: 10.1021/es050984y

Type of production: Scientific paper

Format: Journal

- 120** Mikaela Nickkova; M.-Pilar Marco. Biomonitoring Human Exposure to Organohalogenated Substances by Measuring Urinary Chlorophenols Using a High-Throughput Screening (HTS) Immunochemical Method. *Environmental Science & Technology*. 40 - 7, pp. 2469 - 2477. ACS Publications, 2006.

DOI: 10.1021/es0518629

Type of production: Scientific paper

Format: Journal



- 121** Nuria Sanvicens; Eric J. Moore; George G. Guilbert; M.-Pilar Marco. Determination of Haloanisols in White Wine by Immunosorbent Solid-Phase Extraction Followed by Enzyme-Linked Immunosorbent Assay. *Journal of Agricultural and Food Chemistry*. 54 - 24, pp. 9176 - 9183. ACS Publications, 2006. ISSN 0021-8561
DOI: 10.1021/jf0612373
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY
Impact index in year of publication: 2.322 **Journal in the top 25%:** Yes
Position of publication: 1 **No. of journals in the cat.:** 31
- 122** Javier Ramon Azcon; Roger Galve; Francisco Sanchez Baeza; M.-Pilar Marco. Development of an Enzyme-Linked Immunosorbent Assay for the Determination of the Linear Alkylbenzene Sulfonates and Long-Chain Sulfophenyl Carboxylates Using Antibodies Generated by Pseudoheterologous Immunization. *Analytical Chemistry*. 78 - 1, pp. 71 - 81. ACS Publications, 2006.
DOI: 10.1021/ac051141s
Type of production: Scientific paper **Format:** Journal
- 123** Emanuela Zacco; M.-Isabel Pividori; Salvador Alegret. Electrochemical Magnetoimmunosensing Strategy for the Detection of Pesticides Residues. *Analytical Chemistry*. 78 - 6, pp. 1780 - 1788. ACS Publications, 2006.
DOI: 10.1021/ac0512610
Type of production: Scientific paper **Format:** Journal
- 124** Marinella Farre; Javier Ramon; M.-Pilar Marco; Damia Barcelo. Evaluation of a Newly Developed Enzyme-Linked Immunosorbent Assay for Determination of Linear Alkyl Benzenesulfonates in Wastewater Treatment Plants. *Environmental Science & Technology*. 40 - 16, pp. 5064 - 5070. ACS Publications, 2006.
DOI: 10.1021/es060662
Type of production: Scientific paper **Format:** Journal
- 125** Mark P. Kreuzer; Romain Quidant; Gonçal Badenes; M.-Pilar Marco. Quantitative detection of doping substances by a localised surface plasmon sensor. *Biosensors and Bioelectronics*. 21 - 7, pp. 1345 - 1349. Elsevier, 2006.
DOI: 10.1016/j.bios.2005.04.019
Type of production: Scientific paper **Format:** Journal
- 126** Sara Rodríguez Mozaz; Maria J. Lopez de Alda; Maria-Pilar Marco; Damià Barceló. Biosensors for environmental monitoring: A global perspective. *Talanta*. 65 - 2, pp. 291 - 297. Elsevier, 2005.
DOI: 10.1016/j.talanta.2004.07.006
Type of production: Scientific paper **Format:** Journal
- 127** Mikaela Nichkova; M.-Pilar Marco. Development and evaluation of C18 and immunosorbent solid-phase extraction methods prior immunochemical analysis of chlorophenols in human urine. *Analytica Chimica Acta*. 533 - 1, pp. 67 - 82. Elsevier, 2005.
DOI: 10.1016/j.aca.2004.10.068
Type of production: Scientific paper **Format:** Journal
- 128** M.-Carmen Estevez; Roger Galve; Francisco Sanchez Baeza; M.-Pilar Marco. Direct Competitive Enzyme-Linked Immunosorbent Assay for the Determination of the Highly Polar Short-Chain Sulfophenyl Carboxylates. *Analytical Chemistry*. 77 - 16, pp. 5283 - 5293. ACS Publications, 2005. ISSN 0003-2700
DOI: 10.1021/ac0502910
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - CHEMISTRY, ANALYTICAL
Impact index in year of publication: 5.635 **Journal in the top 25%:** Yes
Position of publication: 1 **No. of journals in the cat.:** 70



- 129** M.-Carmen Estevez Alberola; M.-Pilar Marco. Immunochemical determination of xenobiotics with endocrine disrupting effects. *Analytical and Bioanalytical Chemistry*. 378 - 3, pp. 563 - 575. Springer, 2004.
DOI: 10.1007/s00216-003-2228-z
Type of production: Scientific paper **Format:** Journal
- 130** Roberto Alzaga; Laura Ortiz; Francisco Sanchez Baeza; M.-Pilar Marco; Josep Maria Bayona. Accurate Determination of 2,4,6-Trichloroanisole in Wines at Low Parts Per Trillion by Solid-Phase Microextraction Followed by GC-ECD. *Journal of Agricultural and Food Chemistry*. 51 - 12, pp. 3509 - 3514. ACS Publications, 2003.
DOI: 10.1021/jf0211682
Type of production: Scientific paper **Format:** Journal
- 131** Mikaela Nichkova; Jun Feng; Francisco Sanchez Baeza; M.-Pilar Marco; Bruce D. Hammock; Ian M. Kennedy. Competitive Quenching Fluorescence Immunoassay for Chlorophenols Based on Laser-Induced Fluorescence Detection in Microdroplets. *Analytical Chemistry*. 75 - 1, pp. 83 - 90. ACS Publications, 2003.
DOI: 10.1021/ac025933n
Type of production: Scientific paper **Format:** Journal
- 132** Pilar Bou Carrasco; Sergi Diez; Jasmina Jiménez; M.-Pilar Marco; Josep M. Bayona. Determination of Irgarol 1051 in Western Mediterranean sediments. Development and application of supercritical fluid extraction-immunoaffinity chromatography procedure. *Water Research*. 37 - 15, pp. 3658 - 3665. Elsevier, 2003.
DOI: 10.1016/S0043-1354(03)00242-2
Type of production: Scientific paper **Format:** Journal
- 133** Ralph Lausterer; Nuria Sanvicens; M. Pilar Marco; Bertold Hock. Enzyme Immunoassay for 2,4,6-Trichloroanisole Based on Monoclonal Antibodies. *Analytical Letters*. 36 - 4, pp. 713 - 729. Taylor & Francis, 2003. ISSN 0003-2719
DOI: 10.1081/AL-120018795
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - CHEMISTRY, ANALYTICAL
Impact index in year of publication: 0.929 **Journal in the top 25%:** No
Position of publication: 46 **No. of journals in the cat.:** 67
- 134** Berta Ballesteros; Damià Barceló; Andrea Dankwardt; Peter Schneider; M.-Pilar Marco. Evaluation of a field-test kit for triazine herbicides (SensioScreen® TR500) as a fast assay to detect pesticide contamination in water samples. *Analytica Chimica Acta*. 475 - 1-2, pp. 105 - 115. Elsevier, 2003.
DOI: 10.1016/S0003-2670(02)01026-7
Type of production: Scientific paper **Format:** Journal
- 135** Nuria Sanvicens; Francisco Sanchez Baeza; M.-Pilar Marco. Immunochemical Determination of 2,4,6-Trichloroanisole as the Responsible Agent for the Musty Odor in Foods. 1. Molecular Modeling Studies for Antibody Production. *Journal of Agricultural and Food Chemistry*. 51 - 14, pp. 3924 - 3931. ACS Publications, 2003.
DOI: 10.1021/jf034003h
Type of production: Scientific paper **Format:** Journal
- 136** Nuria Sanvicens; Begoña Varela; M.-Pilar Marco. Immunochemical Determination of 2,4,6-Trichloroanisole as the Responsible Agent for the Musty Odor in Foods. 2. Immunoassay Evaluation. *Journal of Agricultural and Food Chemistry*. 51 - 14, pp. 3932 - 3939. ACS Publications, 2003.
DOI: 10.1021/jf034001x
Type of production: Scientific paper **Format:** Journal



- 137** Nuria Sanvicens; Valeria Pichon; Marie-Claire Hennion; M.-Pilar Marco. Preparation of Antibodies and Development of an Enzyme-Linked Immunosorbent Assay for Determination of Dealkylated Hydroxytriazines. *Journal of Agricultural and Food Chemistry*. 51 - 1, pp. 156 - 164. ACS Publications, 2003.
DOI: 10.1021/jf025640v
Type of production: Scientific paper **Format:** Journal
- 138** Francesc Iglesias; M.-Pilar Marco; Marie-Christine François; Francisco Camps; Gemma Fabrias; Emmanuelle Jacquin Joly. A new member of the PBAN family in *Spodoptera littoralis*: molecular cloning and immunovisualisation in scotophase hemolymph. *Insect Biochemistry and Molecular Biology*. 32 - 8, pp. 901 - 908. Elsevier, 2002.
DOI: 10.1016/S0965-1748(01)00179-5
Type of production: Scientific paper **Format:** Journal
- 139** Mikaela Nichkova; Roger Galve; M.-Pilar Marco. Biological Monitoring of 2,4,5-Trichlorophenol (I): Preparation of Antibodies and Development of an Immunoassay Using Theoretical Models. *Chemical Research in Toxicology*. 15 - 11, pp. 1360 - 1370. ACS Publications, 2002.
DOI: 10.1021/tx025555h
Type of production: Scientific paper **Format:** Journal
- 140** Mikaela Nichkova; Roger Galve; M.-Pilar Marco. Biological monitoring of 2,4,5-trichlorophenol (II): Evaluation of an enzyme-linked immunosorbent assay for the analysis of water, urine, and serum samples. *Chemical Research in Toxicology*. 15 - 11, pp. 1371 - 1379. ACS Publications, 2002.
DOI: 10.1021/tx025556
Type of production: Scientific paper **Format:** Journal
- 141** Roger Galve; Francisco Sanchez Baeza; Francisco Camps; M.-Pilar Marco. Indirect competitive immunoassay for trichlorophenol determination: Rational evaluation of the competitor heterology effect. *Analytica Chimica Acta*. 452 - 2, pp. 191 - 206. Elsevier, 2002.
DOI: 10.1016/S0003-2670(01)01452-0
Type of production: Scientific paper **Format:** Journal
- 142** Catalin Nistor; Anna Oubiña; M.-Pilar Marco; Damià Barceló; Jenny Emnéus. Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol. *Analytica Chimica Acta*. 426 - 2, pp. 185 - 195. Elsevier, 2001.
DOI: 10.1016/S0003-2670(00)00825-4
Type of production: Scientific paper **Format:** Journal
- 143** Roger Galve; Mikaela Nichkova; Francisco Camps; Francisco Sanchez Baeza; M.-Pilar Marco. Development and Evaluation of an Immunoassay for Biological Monitoring Chlorophenols in Urine as Potential Indicators of Occupational Exposure. *Analytical Chemistry*. 74 - 2, pp. 468 - 478. ACS Publications, 2001.
DOI: 10.1021/ac010419n
Type of production: Scientific paper **Format:** Journal
- 144** Pilar Bou Carrasco; Roger Escolà; M.-Pilar Marco; Josep M. Bayona. Development and application of immunoaffinity chromatography for the determination of the triazinic biocides in seawater. *Journal of Chromatography A*. 909 - 1, pp. 61 - 72. Elsevier, 2001.
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Type of production: Scientific paper **Format:** Journal
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Type of production: Scientific paper

Format: Journal

- 146** Ana Oubiña; Berta Ballesteros; Roger Galve; Damià Barceló; M.-Pilar Marco. Development and optimization of an indirect enzyme-linked immunosorbent assay for 4-nitrophenol. Application to the analysis of certified water samples. *Analytica Chimica Acta*. 387 - 3, pp. 255 - 266. Elsevier, 1999.

DOI: 10.1016/S0003-2670(98)00775-2

Type of production: Scientific paper

Format: Journal

- 147** Gilvanda Silva Nunes; M.-Pilar Marco; Marinel·la Farré; Damià Barceló. Direct application of an enzyme-linked immunosorbent assay method for carbaryl determination in fruits and vegetables. Comparison with a liquid chromatography–postcolumn reaction fluorescence detection method. *Analytica Chimica Acta*. 387 - 3, pp. 245 - 253. Elsevier, 1999.

DOI: 10.1016/S0003-2670(98)00733-8

Type of production: Scientific paper

Format: Journal

- 148** Anna Oubiña; Damià Barceló; Maria-Pilar Marco. Effect of competitor design on immunoassay specificity: Development and evaluation of an enzyme-linked immunosorbent assay for 2,4-dinitrophenol. *Analytica Chimica Acta*. 387 - 3, pp. 267 - 279. Elsevier, 1999.

DOI: 10.1016/S0003-2670(98)00826-5

Type of production: Scientific paper

Format: Journal

- 149** Marinel·la Farré; Anna Oubiña; M.-Pilar Marco; Antoni Ginebreda; Lluís Tirapu; Damià Barceló. Evaluation of 4-Nitrophenol ELISA Kit for Assessing the Origin of Organic Pollution in Wastewater Treatment Works. *Environmental Science & Technology*. 33 - 21, pp. 3898 - 3904. ACS Publications, 1999.

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Type of production: Scientific paper

Format: Journal

- 150** José Penalva; Miguel A. González Martínez; Rosa Puchades; Angel Maquieira; M.-Pilar Marco; Damià Barceló. Immunosensor for trace determination of Irgarol 1051 in seawater using organic media. *Analytica Chimica Acta*. 387 - 3, pp. 227 - 233. Elsevier, 1999.

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Type of production: Scientific paper

Format: Journal

- 151** Miguel-Angel González Martínez; Rosa Puchades; Angel Maquieira; Inmaculada Ferrer; M.-Pilar Marco; Damià Barceló. Reversible immunosensor for the automatic determination of atrazine. Selection and performance of three polyclonal antisera. *Analytica Chimica Acta*. 386 - 3, pp. 201 - 210. Elsevier, 1999.

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- 152** Francisco Iglesias; Emmanuelle Jacquin Joly; M.-Pilar Marco; Francisco Camps; Gemma Fabrias. Temporal distribution of PBAN-like immunoreactivity in the hemolymph of *Mamestra brassicae* females in relation to sex pheromone production and calling behavior. *Archives of Insect Biochemistry and Physiology*. 40 - 2, pp. 80 - 87. Wiley, 1999.

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- 153** Miguel Angel González Martínez; José Penalva; Rosa Puchades; Angel Maquieira; Berta Ballesteros; M.-Pilar Marco; Damià Barceló. An immunosensor for the automatic determination of the antifouling agent Irgarol 1051 in natural waters. *Environmental Science & Technology*. 32 - 21, pp. 3442 - 3447. ACS Publications, 1998.

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Format: Journal



- 154** Ilda Toscano; Jordi Gascon; M.-Pilar Marco; Julio César Rocha; Damià Barceló. Atrazine interaction with tropical humic substances by Enzyme Linked Immunosorbent Assay. *Analisis*. 26 - 3, pp. 130 - 134. EDP Sciences, 1998.
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- 155** Miguel Ángel González Martínez; Sergi Morais; Rosa Puchades; Ángel Maquieira; M.-Pilar Marco; Damià Barceló. Automation of a heterogeneous enzyme immunoassay for atrazine. Comparison of three immobilization supports. *Fresenius' Journal of Analytical Chemistry*. 361 - 2, pp. 179 - 184. Springer, 1998.
Type of production: Scientific paper **Format:** Journal
- 156** Berta Ballesteros; Damià Barceló; Francisco Sanchez Baeza; Francisco Camps; M.-Pilar Marco. Influence of the Hapten Design on the Development of a Competitive ELISA for the Determination of the Antifouling Agent Irgarol 1051 at Trace Levels. *Analytical Chemistry*. 70 - 19, pp. 4004 - 4014. ACS Publications, 1998.
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Type of production: Scientific paper **Format:** Journal
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Type of production: Scientific paper **Format:** Journal
- 158** Gilvanda Silva Nunes; M.-Pilar Marco; Maria Lucia Ribeiro; Damià Barceló. Validation of an immunoassay method for the determination of traces of carbaryl in vegetable and fruit extracts by liquid chromatography with photodiode array and mass spectrometric detection. *Journal of Chromatography A*. 823 - 1-2, pp. 109 - 120. Elsevier, 1998.
DOI: 10.1016/s0021-9673(98)00111-3
Type of production: Scientific paper **Format:** Journal
- 159** Jordi Gascón; Anna Oubiña; Berta Ballesteros; Damià Barceló; Francisco Camps; M.-Pilar Marco; Miguel Angel González Martínez; Sergi Morais; Rosa Puchades; Angel Maquieira. Development of a highly sensitive enzyme-linked immunosorbent assay for atrazine - Performance evaluation by flow injection immunosay. *Analytica Chimica Acta*. 347 - 1, pp. 149 - 162. Elsevier, 1997.
DOI: 10.1016/S0003-2670(97)00269-9
Type of production: Scientific paper **Format:** Journal
- 160** Imma Ferrer; Berta Ballesteros; M.-Pilar Marco; Damià Barceló. Pilot survey for determination of the antifouling agent Irgarol 1051 in enclosed seawater samples by a direct enzyme-linked immunosorbent assay and solid-phase extraction followed by liquid chromatography diode array detection. *Environmental Science & Technology*. 31 - 12, pp. 3530 - 3535. ACS Publications, 1997.
DOI: 10.1021/es970292c
Type of production: Scientific paper **Format:** Journal
- 161** Berta Ballesteros; Damià Barceló; Francisco Camps; M.-Pilar Marco. Preparation of antisera and development of a direct enzyme-linked immunosorbent assay for the determination of the antifouling agent Irgarol 1051. *Analytica Chimica Acta*. 347 - 1-2, pp. 139 - 147. Elsevier, 1997.
DOI: 10.1016/S0003-2670(97)00317-6
Type of production: Scientific paper **Format:** Journal
- 162** M.-Pilar Marco; Gemma Fabriàs; Germán Lázaro; Francisco Camps. Evidence for both humoral and neural regulation of sex pheromone biosynthesis in *Spodoptera littoralis*. *Archives of Insect Biochemistry and Physiology*. 31 - 2, pp. 157 - 167. Wiley, 1996.
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- 163** Jordi Gascón; Anna Oubiña; Imma Ferrer; Patrik Önerfjord; Gyorgy Marko Varga; Bruce D. Hammock; M.-Pilar Marco; Damià Barceló. Performance of two immunoassays for the determination of atrazine in sea water samples as compared with online solid phase extraction-liquid chromatography-diode array detection. *Analytica Chimica Acta*. 330 - 1, pp. 41 - 51. Elsevier, 1996.
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- 164** M.-Pilar Marco; Gemma Fabriás; Francisco Camps. Development of a highly sensitive ELISA for the determination of PBAN and its application to the analysis of hemolymph in *Spodoptera littoralis*. *Archives of insect biochemistry and physiology*. 30 - 4, pp. 369 - 381. Wiley, 1995.
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- 165** M.-Pilar Marco; Shirley Gee; Bruce D. Hammock. Immunochemical techniques for environmental analysis II. Antibody production and immunoassay development. *TrAC Trends in Analytical Chemistry*. 14 - 9, pp. 415 - 425. Elsevier, 1995.
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- 166** M.-Pilar Marco; Serge Chiron; Jordi Gascón; Bruce D. Hammock; Damià Barceló. Validation of two immunoassay methods for environmental monitoring of carbaryl and 1-naphthol in ground water samples. *Analytica Chimica Acta*. 311 - 3, pp. 319 - 329. Elsevier, 1995.
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- 167** Petra M. Kramer; M.-Pilar Marco; Bruce D. Hammock. Development of a Selective Enzyme-Linked Immunosorbent Assay for 1-Naphthol-the Major Metabolite of Carbaryl (1-Naphthyl N-Methylcarbamate). *Journal of Agricultural and Food Chemistry*. 42 - 4, pp. 934 - 943. ACS Publications, 1994.
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- 169** Maria Pilar Marco; Shirley J. Gee; Hong M. Cheng; Zeng Y. Liang; Bruce D. Hammock. Development of an enzyme-linked immunosorbent assay for carbaryl. *Journal of Agricultural and Food Chemistry*. 41, pp. 423 - 430. ACS Publications, 1993. Available on-line at: <<http://pubs.acs.org/doi/pdf/10.1021/jf00027a015>>. ISSN 0021-8561
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- 170** M.-Pilar Marco; Melekeh Nasiri; Mark J. Kurth; Bruce D. Hammock. Enzyme-linked immunosorbent assay for the specific detection of the mercapturic acid metabolites of naphthalene. *Chemical Research in Toxicology*. 6 - 3, pp. 284 - 293. ACS Publications, 1993.
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- 171** M.-Pilar Marco; Bruce D. Hammock; Mark J. Kurth. Hapten design and development of an ELISA (enzyme-linked immunosorbent assay) for the detection of the mercapturic acid conjugates of naphthalene. *The Journal of Organic Chemistry*. 58 - 26, pp. 7548 - 7556. ACS Publications, 1993.
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- 172** M.-Pilar Marco; Francisco J. Sánchez Baeza; Francisco Camps; José Coll. Phytoecdysteroid analysis by high-performance liquid chromatography-thermospray mass spectrometry. *Journal of Chromatography A*. 641 - 1, pp. 81 - 87. Elsevier, 1993.
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- 174** Mario Rubiralta; M.P. Marco; Jordi Bolos; Jaume Trape. Synthetic applications of 2-aryl-4-piperidones. VI. Synthesis of the fundamental tetracyclic skeleton of ervitsine and its 20-deethylidene-6,16-dihydro analogue. *Tetrahedron*. 47 - 29, pp. 5585 - 5602. Elsevier, 1991.
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Type of production: Scientific paper **Format:** Journal
- 176** M.-Pilar Marco; Nuria Pascual; Xavier Bellés; Francisco Camps; Angel Messeguer. Ecdysteroid depletion by azadirachtin in *Tenebrio molitor* pupae. *Pesticide Biochemistry and Physiology*. 38 - 1, pp. 60 - 65. Elsevier, 1990.
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- 177** Francisco Camps; Elisabet Claveria; Josep Coll; M.-Pilar Marco; Joaquina Messeguer; Enric Mela. Ecdysteroid production in tissue cultures of *Polypodium vulgare*. *Phytochemistry*. 29 - 12, pp. 3819 - 3821. Elsevier, 1990.
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Type of production: Scientific paper **Format:** Journal
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Type of production: Book chapter **Format:** Book
- 182** J.-Pablo Salvador; Mark P. Kreuzer; Romain Quidant; Gonçal Badenes; M.-Pilar Marco. Nanobiosensors for In Vitro and In Vivo Analysis of Biomolecules. *Nanotechnology in Regenerative Medicine*. 811, pp. 207 - 221. Humana Press, 2012. ISBN 978-1-6177-9387-5
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Type of production: Book chapter **Format:** Book
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Type of production: Book chapter **Format:** Book
- 184** Alejandro Muriano; J.-Pablo Salvador; Roger Galve; M.-Pilar Marco; Anisha Thayil K.N.; Pablo Loza Alvarez; Silvia Soria. High sensitive non-linear detection of steroids by resonant double grating waveguide structures based immunosensors. *Integrated Optics: Devices, Materials, and Technologies Xv*. 7941, Spie-Int Soc Optical Engineering, 2011. ISBN 978-0-8194-8478-9
Type of production: Book chapter **Format:** Book
- 185** Javier Adrián; Fátima Fernández; Alejandro Muriano; Raquel Obregón; Javier Ramon; Nuria Tort; M.-Pilar Marco. Immunochemical Analytical Methods for Monitoring the Aquatic Environment. *Analytical Measurements in Aquatic Environments*. pp. 139 - 187. Taylor & Francis, 2010. ISBN 978-1-8433-9306-1
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Type of production: Book chapter **Format:** Book
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DOI: 10.1007/978-3-540-36253-1_3
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- 187** J.-Pablo Salvador; Javier Adrian; Roger Galve; Daniel G. Pinacho; Mark Kreuzer; Francisco Sanchez Baeza; M.-Pilar Marco. Chapter 2.8 Application of bioassays/biosensors for the analysis of pharmaceuticals in environmental samples. *Analysis, Fate and Removal of Pharmaceuticals in the Water Cycle: Comprehensive Analytical Chemistry*. 50, pp. 279 - 334. Elsevier, 2007. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0166526X07500097>>. ISBN 978-0-444-53052-3
DOI: 10.1016/S0166-526X(07)50009-7
Type of production: Book chapter **Format:** Book
- 188** Emanuela Zacco; Roger Galve; Francisco Sánchez Baeza; María Pilar Marco; Salvador Alegret; Maria Isabel Pividori. Procedure 33 Electrochemical determination of atrazine in orange juice and bottled water samples based on Protein A biocomposite electrodes. *Electrochemical Sensor Analysis: Comprehensive Analytical Chemistry*. 49, pp. 233 - 236. Elsevier, 2007. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0166526X06490760>>. ISBN 978-0-4445-3053-0
DOI: 10.1016/S0166-526X(06)49076-0
Type of production: Book chapter **Format:** Book



- 189** Emanuela Zacco; Roger Galve; Javier Adrian; Francisco Sanchez Baeza; María Pilar Marco; Salvador Alegret; María Isabel Pividori. Procedure 34 Electrochemical determination of sulfonamide antibiotics in milk samples using a class-selective antibody. *Electrochemical Sensor Analysis: Comprehensive Analytical Chemistry*. 49, pp. 237 - 241. Elsevier, 2007. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0166526X06490772>>. ISBN 978-0-4445-3053-0
DOI: 10.1016/S0166-526X(06)49077-2
Type of production: Book chapter **Format:** Book
- 190** Mikaela Nichkova; M.-Pilar Marco. A high-throughput Screening Immunochemical Protocol for Biological Exposure Assessment of Chlorophenols in Urine Samples. *Pesticide Protocols*. 19, pp. 133 - 145. Humana Press Inc., 2006. ISBN 978-1-58829-410-4
Type of production: Book chapter **Format:** Book
- 191** M.-Carmen Estevez; Héctor Font; Mikaela Nichkova; J.-Pablo Salvador; Begoña Varela; Francisco Sanchez Baeza; M.-Pilar Marco. Immunochemical Determination of Industrial Emerging Pollutants. *Water Pollution: The Handbook of Environmental Chemistry*. 2, pp. 119 - 180. Springer, 2005. ISBN 978-3-540-22229-3
DOI: 10.1007/b98609
Type of production: Book chapter **Format:** Book
- 192** M.-Carmen Estevez; Héctor Font; Mikaela Nichkova; J.Pablo Salvador; Begoña Varela; Francisco Sanchez Baeza; M.-Pilar Marco. Immunochemical Determination of Pharmaceuticals and Personal Care Products as Emerging Pollutants. *Water Pollution: The Handbook of Environmental Chemistry*. 2, pp. 181 - 244. Springer, 2005. ISBN 978-3-540-22229-3
DOI: 10.1007/b98616
Type of production: Book chapter **Format:** Book
- 193** M.-Pilar Marco; Damià Barceló. Chapter 22 Fundamentals and applications of biosensors for environmental analysis. *Techniques and Instrumentation in Analytical Chemistry: Sample handling and trace analysis of pollutants - Techniques, applications and quality assurance*. 21, pp. 1075 - 1105. Elsevier, 2000. Available on-line at: <<http://www.scopus.com/record/display.url?eid=2-s2.0-0012852453&origin=inward&txGid=0DF68A77D725B2D1C8B7AFAAC6374DFA.CnvicAmOODVwpVrjSeqQ%3a11>>. ISBN 978-0-444-82831-6
DOI: 10.1016/S0167-9244(00)80028-1
Type of production: Book chapter **Format:** Book
- 194** Ana Oubiña; Berta Ballesteros; Pilar Bou Carrasco; Roger Galve; Jordi Gascón; Francisco Iglesias; Núria Sanvicens; M.-Pilar Marco. Chapter 7 Immunoassays for environmental analysis. *Techniques and Instrumentation in Analytical Chemistry*. 21 - C, pp. 287 - 339. Elsevier, 2000. Available on-line at: <<http://www.scopus.com/record/display.url?eid=2-s2.0-77956696320&origin=inward&txGid=0DF68A77D725B2D1C8B7AFAAC6374DFA.CnvicAmOODVwpVrjSeqQ%3a16>>. ISBN 978-0-444-82831-6
DOI: 10.1016/S0167-9244(00)80013-X
Type of production: Book chapter **Format:** Book
- 195** M.A. Concejero; Roger Galve; E. Abad; B. Herradon; M.-Pilar Marco; J. Rivera; M.J. González; M. de Frutos. Immunoaffinity Chromatography as an Isolation Method for PCBs and other Dioxin-Like Compounds. *Organohalogen Compounds*. 45, pp. 35 - 40. 2000. ISBN 0-97033-150-9
Type of production: Book chapter **Format:** Book
- 196** M.-P. Marco; S.J. Gee; B.D. Hammock. Determination of 1-Naphtol in Well Water Samples by ELISA. *Current Protocols in Field Analytical Chemistry*. 2C.9, Wiley, 1998. ISBN 0-471-17609-5
Type of production: Book chapter **Format:** Book



- 197** M.-P. Marco; S.J. Gee; B.D. Hammock. Determination of Carbaryl in Well Water Samples by ELISA. Current Protocols in Field Analytical Chemistry. 2C.8, Wiley, 1998. ISBN 0-471-17609-5
Type of production: Book chapter **Format:** Book
- 198** M.-P. Marco; B. Ballesteros; I. Ferrer; J. Casas; D. Barceló. Development of an enzyme-linked immunosorbent assay for the determination of Irgarol 1051. Biosensors for environmental diagnostics. pp. 52 - 63. Teuber-Reihe UMWELT, 1998. ISBN 978-3-8154-3540-3
Type of production: Book chapter **Format:** Book
- 199** M.-Pilar Marco; Gemma Fabriàs; Francisco Camps. PBAN Regulation of Sex Pheromone Biosynthesis in *Spodoptera littoralis*. Insect Pheromone Research: New Directions. pp. 46 - 53. Springer, 1997. ISBN 978-0-412-99611-5
Type of production: Book chapter **Format:** Book
- 200** Damià Barceló; Jordi Gascón; M.-Pilar Marco. Evaluation of the RAPID ELISA assay for the determination of Atrazine and Alachlor in natural waters, influence of common cross-reactants present in these natural waters: deethylatrazine, deisopropylatrazine, simazine and metolachlor. Proceedings of the 4th European Workshop on Biosensors for Environmental Monitoring. European Commission, 1996.
Type of production: Book chapter **Format:** Book
- 201** F. Szurdoki; H.K.M. Bekheit; M.-Pilar Marco; M.H. Goodrow; B.D. Hammock. Chapter 4: Important Factors in Hapten Design and Enzyme-Linked Immunosorbent Assay Development. New frontiers in agrochemical immunoassay. pp. 39 - 63. AOAC International, 1995. ISBN 978-0-9355-8458-5
Type of production: Book chapter **Format:** Book
- 202** Francisco Camps; Gemma Fabriàs; M.-Pilar Marco. Studies on the Biosynthesis of Female Sex Pheromones of the Egyptian Armyworm, *Spodoptera littoralis*, and the Processionary moth, *Thaumetopoea pityocampa*. Insects: Chemical Physiological and Environmental Aspects. pp. 78 - 85. University of Wroclaw, 1995. ISBN 978-8-3229-1303-1
Type of production: Book chapter **Format:** Book
- 203** Francisco Camps; Gemma Fabrias; M.-Pilar Marco. Studies on the biosynthesis of female sex pheromones of the Egyptian Armyworm *Spodoptera littoralis* and the Processionary moth, *Thaumeopoea pityocampa*. Insects: Chemical Physiological and Environmental Aspects. Wroclaw University Press, 1995. ISBN 978-8322917831
Type of production: Book chapter **Format:** Book
- 204** A.S. Harris; A.D. Lucas; P.M. Kramer; M.-Pilar Marco; S.S. Gee; B.D. Hammock. The Use of Immunoassay for the Detection of Urinary Biomarkers of Exposure. New frontiers in agrochemical immunoassay. pp. 217 - 235. AOAC International, 1995. ISBN 978-0-9355-8458-5
Type of production: Book chapter **Format:** Book
- 205** P.G. Schneider; S.J. Gee; S. Kreissig; A.S. Harris; P. Kramer; M.-Pilar Marco; A.D. Lucas; B.D. Hammock. Troubleshooting During the Development and Use of Immunoassays for Environmental Monitoring. New frontiers in agrochemical immunoassay. pp. 103 - 122. AOAC International, 1995. ISBN 978-0-9355-8458-5
Type of production: Book chapter **Format:** Book
- 206** M.-Pilar Marco; J. Tomás. Hormonas de muda y antagonistas. Insecticidas biorracionales. pp. 179 - 226. Consejo Superior de Investigaciones Científicas, 1988. ISBN 978-84-00-06930-8
Type of production: Book chapter **Format:** Book

- 207** Safiye Jafari; Julian Guercetti; Ariadni Geballa-Koukoula; Aristeidis S. Tsagkaris; Joost Laurus Dinant Nelis; M.-Pilar Marco; J.-Pablo Salvador; Arjen Gerssen; Jana Hajslova; Chris T. Elliot; Katrina Campbell; Davide Magliorelli; Loïc Burr; Silvia Generelli; Michel W.F. Nielen; Shana J. Sturla. ASSURED Point-of-Need Food Safety Screening: A Critical Assessment of Portable Food Analyzers. *Foods*. 10 - 6, pp. 1399. MDPI, 2021.
DOI: 10.3390/foods10061399.
Type of production: Review **Format:** Journal
Corresponding author: No
- 208** Enrique; M.-Pilar. Biological and Clinical Significance of Quorum Sensing Alkylquinolones: Current Analytical and Bioanalytical Methods for their Quantification. *Analytical and Bioanalytical Chemistry*. 413 - 18, pp. 4599 - 4618. Springer, 2021.
DOI: 10.1007/s00216-021-03356-x
Type of production: Review **Format:** Journal
Corresponding author: Yes
- 209** Jiri Dietvorst; Lluïsa Vilaplana; Naroa Uría; M.-Pilar Marco. Current and near-future technologies for antibiotic susceptibility testing and resistant bacteria detection. *TrAC Trends in Analytical Chemistry*. 127, pp. 115891. Elsevier, 2020.
DOI: 10.1016/j.trac.2020.115891
Type of production: Review **Format:** Journal
- 210** Lluïsa Vilaplana; M.-Pilar Marco. Phenazines as potential biomarkers of *Pseudomonas aeruginosa* infections: synthesis regulation, pathogenesis and analytical methods for their detection. *Analytical and Bioanalytical Chemistry*. 412 - 24, pp. 5897 - 5912. Springer, 2020. Available on-line at: <<https://doi.org/10.1007/s00216-020-02696-4>>.
DOI: 10.1007/s00216-020-02696-4
Type of production: Review **Format:** Journal
- 211** Ana Sanchis; J.-Pablo Salvador; M.-Pilar Marco. *Colloids and Surfaces B: Biointerfaces*. Light-induced mechanisms for nanocarrier's cargo release. 173, pp. 825 - 832. Elsevier, 2019.
DOI: 10.1016/j.colsurfb.2018.10.056
Type of production: Review **Format:** Journal
- 212** Aristeidis Tsagkaris; Joost L.D. Nelis; Georgina Ross; Safiye Jafari; Julián Guercetti; Klaudia Kopper; Yunfeng Zhao; Karen Rafferty; J.-Pablo Salvador; Davide Magliorelli; Gert Ij Salentijn; Katrina Campbell; M.-Pilar Marco; Christopher T. Elliot; Michel W.F. Nielen; Jana Pulkrábová; Jana Hajslova. Critical assessment of recent trends related to screening and confirmatory analytical methods for selected food contaminants and allergens. *TrAC Trends in Analytical Chemistry*. 121, pp. 115688. Elsevier, 2019.
DOI: 10.1016/j.trac.2019.115688
Type of production: Review **Format:** Journal
Corresponding author: No
- 213** J.-Pablo Salvador; Lluïsa Vilaplana; M.-Pilar Marco. Nanobody: outstanding features for diagnostic and therapeutic applications. *Analytical and Bioanalytical Chemistry*. 411 - 9, pp. 1703 - 1713. Springer, 2019.
DOI: 10.1007/s00216-019-01633-4
Type of production: Review **Format:** Journal
Corresponding author: No
- 214** Ana Sanchis; J.-Pablo Salvador; M.-Pilar Marco. Multiplexed immunochemical techniques for the detection of pollutants in aquatic environments. *TrAC Trends in Analytical Chemistry*. 106, pp. 1 - 10. Elsevier, 2018.
DOI: 10.1016/j.trac.2018.06.015
Type of production: Review **Format:** Journal



- 215** Marta Broto; Roger Galve; M.-Pilar Marco. Bioanalytical Methods For Cytostatic Therapeutic Drug Monitoring and Occupational Exposure Assessment. *TrAC - Trends in Analytical Chemistry*. 93, pp. 152 - 170. Elsevier, 2017.
DOI: 10.1016/j.trac.2017.05.005
Type of production: Review **Format:** Journal
Corresponding author: Yes
- 216** Enrique Valera; Alejandro Hernández Albors; M.-Pilar Marco. Electrochemical coding strategies using metallic nanoprobe for biosensing applications. *TrAC - Trends in Analytical Chemistry*. 79, pp. 9 - 22. Elsevier, 2016.
DOI: 10.1016/j.trac.2015.12.014
Type of production: Review **Format:** Journal
- 217** A. Lapresta Fernández; A. Salinas Castillo; S.A. de la Llana; J.M. Costa Fernandez; S. Dominguez Meister; R. Cecchini; L.F. Capitan Vallvey; M.C. Moreno Bondi; M.P. Marco; J.C. Sanchez Lopez; I.S. Anderson. A general perspective of the characterization and quantification of nanoparticles: imaging, spectroscopic and separation techniques. *Critical Reviews in Solid State and Material Sciences*. 39 - 6, pp. 423 - 458. Taylor & Francis, 2014.
DOI: 10.1080/10408436.2014.899890
Type of production: Review **Format:** Journal
- 218** Ruth Babington; Sonia Matas; M.-Pilar Marco; Roger Galve. Current bioanalytical methods for detection of penicillins. *Analytical and Bioanalytical Chemistry*. 403 - 6, pp. 1549 - 1566. Springer, 2012.
DOI: 10.1007/s00216-012-5960-4
Type of production: Review **Format:** Journal
- 219** Nuria Sanvicens; Ilaria Mannelli; J.-Pablo Salvador; Enrique Valera; M.-Pilar Marco. Biosensors for pharmaceuticals based on novel technology. *TrAC Trends in Analytical Chemistry*. 30 - 3, pp. 541 - 553. Elsevier, 2011.
DOI: 10.1016/j.trac.2011.01.006
Type of production: Review **Format:** Journal
- 220** Ilaria Mannelli; M.-Pilar Marco. Recent advances in analytical and bioanalysis applications of noble metal nanorods. *Analytical and Bioanalytical Chemistry*. 398 - 6, pp. 2451 - 2469. Springer, 2010.
DOI: 10.1007/s00216-010-3937-8
Type of production: Review **Format:** Journal
- 221** Nuria Sanvicens; Carme Pastells; Nuria Pascual; M.-Pilar Marco. Nanoparticle-based biosensors for detection of pathogenic bacteria. *TrAC Trends in Analytical Chemistry*. 28 - 11, pp. 1243 - 1252. Elsevier, 2009.
DOI: 10.1016/j.trac.2009.08.002
Type of production: Review **Format:** Journal
- 222** Nuria Sanvicens; M.-Pilar Marco. Multifunctional nanoparticles - properties and prospects for their use in human medicine. *Trends in Biotechnology*. 26 - 8, pp. 425 - 433. Cell Press, 2008.
DOI: 10.1016/j.tibtech.2008.04.005
Type of production: Review **Format:** Journal
- 223** Sara Rodríguez Mozaz; M.-Pilar Marco; Maria Lopez de Alda; Damià Barceló. Biosensors for environmental applications: Future development trends. *Pure and Applied Chemistry*. 76 - 4, pp. 723 - 752. IUPAC, 2004.
DOI: 10.1351/pac200476040723
Type of production: Review **Format:** Journal
- 224** Sara Rodríguez Mozaz; M.-Pilar Marco; Maria J. Lopez de Alda; Damià Barceló. Biosensors for environmental monitoring of endocrine disruptors: a review article. *Analytical and Bioanalytical Chemistry*. 378 - 3, pp. 588 - 598. Springer, 2004.

**DOI:** 10.1007/s00216-003-2385-0**Type of production:** Review**Format:** Journal

- 225** Berta Ballesteros; M.-Pilar Marco. Basic principles of the use of immunoaffinity chromatography for environmental analysis. Food Technology and Biotechnology. 36 - 2, pp. 145 - 155. 1998.

Type of production: Review**Format:** Journal

- 226** M.-P. Marco; D. Barceló. Environmental applications of analytical biosensors. Measurement Science and Technology. 7 - 11, pp. 1547 - 1562. Elsevier, 1996.

Type of production: Review**Format:** Journal

- 227** M.-Pilar Marco; Shirley Gee; Bruce D. Hammock. Immunochemical techniques for environmental analysis I. Immunosensors. TrAC Trends in Analytical Chemistry. 14 - 7, pp. 341 - 350. Elsevier, 1995.

DOI: 10.1016/0165-9936(95)97062-6**Type of production:** Review**Format:** Journal

- 228** David E. Morgan; M.-Pilar Marco. Advances in techniques for ecdysteroid analysis. Invertebrate Reproduction & Development. 18 - 1-2, pp. 55 - 66. Taylor & Francis, 1990.

DOI: 10.1080/07924259.1990.9672128**Type of production:** Review**Format:** Journal

- 229** Enrique Valera; Ángel Rodríguez; Javier Ramon Azcon; Francisco Sanchez; M.-Pilar Marco. Immunosensors for atrazine detection in red wine samples. Biodevices 2009: Proceedings of the International Conference on Biomedical Electronics and Devices. pp. 226 - 230. Insticc-Inst Syst Technologies Information Control & Communication, 2009. Available on-line at: <<https://upcommons.upc.edu/handle/2117/12012?show=full>>. ISBN 978-9-8981-1164-7

Type of production: Biodevices 2009: Proceedings of the International Conference on Biomedical Electronics and Devices**Format:** Scientific and technical document or report

- 230** Enrique Valera; Javier Ramón Azcón; Francisco Sanchez Baeza; M.-Pilar Marco; Angel Rodríguez; Luis M. Castañer. Interdigitated mu-electrodes for development of an impedimetric immunosensor for atrazine detection. Proceedings of the 2009 Spanish Conference on Electron Devices. pp. 278 - 280. IEEE, 2009. ISBN 978-1-4244-2838-0

DOI: 10.1109/SCED.2009.4800485**Type of production:** Proceedings of the 2009 Spanish Conference on Electron Devices**Format:** Scientific and technical document or report

Works submitted to national or international conferences

- 1** **Title of the work:** INVITED SPEAKER: Nano(Bio)technological Perspectives for Infectious Diseases

Name of the conference: 1st International Meeting in Innovation & Sepsis: TECNOSEPSIS**Type of event:** Conference**Type of participation:** Participatory - invited/keynote talk**City of event:** Palma, Spain**Date of event:** 10/11/2021**End date:** 12/11/2021

M.-Pilar Marco.

- 2** **Title of the work:** INVITED SPEAKER: Oportunidades de la Micro y Nano(bio)tecnología para una Nueva Generación de Dispositivos para el Diagnóstico

Name of the conference: Webinar at IQOG-CSIC



Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
City of event: Madrid, Spain
Date of event: 05/05/2021
End date: 05/05/2021
M.-Pilar Marco.

3 Title of the work: INVITED SPEAKER: Antibody-based approaches to respond to the environmental challenges

Name of the conference: ACS Fall National Meeting / Division of Analytical Chemistry

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

City of event: San Diego, United States of America

Date of event: 25/08/2019

End date: 29/08/2019

M.-Pilar Marco.

4 Title of the work: INVITED SPEAKER: Site-encoded DNA strategies for optical multiplexed platforms

Name of the conference: Photonics & Electromagnetics Research Symposium (PIERS 2019)

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Rome, Italy

Date of event: 17/06/2019

End date: 20/06/2019

Núria Tort; J.-Pablo Salvador; M.-Pilar Marco.

5 Title of the work: KEYNOTE SPEAKER: Can nanobiotechnology fulfill diagnostic challenges in food safety?

Name of the conference: Pittcon 2019 / Symposium IAEAC-Nanosensors for Food Safety

Type of participation: Participatory - invited/keynote talk

City of event: Philadelphia, United States of America

Date of event: 17/03/2019

End date: 21/03/2019

M.-Pilar Marco.

6 Title of the work: KEYNOTE SPEAKER: Micro & Nano(bio)technology for Diagnostics: Chances and Challenges

Name of the conference: 2nd European Biosensor Symposium

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Florence, Italy

Date of event: 18/02/2019

End date: 21/02/2019

7 Title of the work: INVITED SPEAKER: Nanobiotechnological approaches for multiplexed bioanalysis

Name of the conference: UNISENSOR SCIENTIFIC DAY: Innovation in Point of Care Diagnostic

Type of event: Workshop

Type of participation: Participatory - invited/keynote talk

Date of event: 15/03/2018

End date: 15/03/2018



- 8** **Title of the work:** INVITED SPEAKER: Challenging Diagnostic Multiplexation Threats through Nanobiotechnological
Name of the conference: 16th Iberian Peptide Meeting/4th ChemBio Group Meeting
Type of event: Conference **Geographical area:** Internacional
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: Barcelona, Spain
Date of event: 05/02/2018
End date: 07/02/2018
M.-Pilar Marco.
- 9** **Title of the work:** INVITED SPEAKER: Challenging the Threats of Multiplexation through Nanobiotechnological Approaches
Name of the conference: 12th Workshop on Biosensor&Bioanalytical Microtechniques in Environmental, Food and Clinical Analysis
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Rome, Italy
Date of event: 25/09/2017
End date: 29/09/2017
M.-Pilar Marco.
- 10** **Title of the work:** PLENARY SPEAKER: Overcoming the challenges of the multiplexed bioanalytical methods
Name of the conference: XI International Workshop on Sensors and Molecular Recognition
Type of event: Conference
Type of participation: Participatory - Plenary session
City of event: Valencia, Spain
Date of event: 06/07/2017
End date: 07/07/2017
M Pilar Marco.
- 11** **Title of the work:** KEYNOTE SPEAKER: Nanobiotechnology: An Open Window to Face Diagnostic Challenges?
Name of the conference: 28th International Symposium on Pharmaceutical and Biomedical Analysis
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Madrid, Spain
Date of event: 02/07/2017
End date: 05/07/2017
M.-Pilar Marco.
- 12** **Title of the work:** KEYNOTE SPEAKER: Nanobiotechnology for In-vitro Diagnostics in Food Safety
Name of the conference: ECsafeSEAFOOD
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Brussels, Belgium
Date of event: 25/01/2017
End date: 26/01/2017
M.-Pilar Marco.



- 13** **Title of the work:** PLENARY SPEAKER:Using DDI for site-encoded optical multiplexed platform
Name of the conference: The Singlet Oxygen Strategy (SO2S) Conference
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Ghent, Belgium
Date of event: 15/06/2016
Organising entity: Universiteit Gent **Type of entity:** University
M.-Pilar Marco.
- 14** **Title of the work:** KEYNOTE SPEAKER: Site-encoded DNA strategies for residue analysis
Name of the conference: EuroResidue VIII
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - invited/keynote talk
City of event: Egmond aan Zee, Holland
Date of event: 23/05/2016
End date: 25/05/2016
M.-Pilar Marco.
- 15** **Title of the work:** INVITED SPEAKER:Can nanobiotechnology fulfill in vitro diagnostic challenges
Name of the conference: PACIFICHEM 2015 - The International Chemical Congress on Pacific Basin Societies
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Honolulu, United States of America
Date of event: 15/12/2015
End date: 20/12/2015
Organising entity: American Chemical Society **Type of entity:** Associations and Groups
M.-Pilar Marco.
- 16** **Title of the work:** PLENARY SPEAKER: DNA-directed strategies for multiplexed diagnostic platforms
Name of the conference: Spanish-Italian Medicinal Chemistry Congress (SIMCC 2015)
Type of event: Conference
Type of participation: Participatory - Plenary session
Corresponding author: Yes
City of event: Barcelona, Spain
Date of event: 12/07/2015
End date: 15/07/2015
M.-Pilar Marco.
- 17** **Title of the work:** INVITED TALK: Nanobiotechnologic perspectives for in vitro diagnostics
Name of the conference: Sesión científica del Centro de Tecnología Biomédica de la Universidad Politécnica de Madrid
Type of event: Scientific session
Type of participation: Participatory - invited/keynote talk
City of event: Madrid, Spain
Date of event: 10/04/2015
End date: 10/04/2015
M.-Pilar Marco.



- 18** **Title of the work:** KEYNOTE SPEAKER: Biofunctional surfaces for multiplexed diagnostic platforms using Site-Encoded DNA strategies
Name of the conference: NanoBio&Med 2014
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Barcelona, Catalonia, Spain
Date of event: 18/11/2014
End date: 21/11/2014
M.-Pilar Marco.
- 19** **Title of the work:** INVITED SPEAKER: Biofunctional surfaces for multiplexed diagnostic platforms using Site-Encoded DNA strategies
Name of the conference: ICMAB-CSIC Seminar
Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
City of event: Barcelona, Catalonia, Spain
Date of event: 06/10/2014
End date: 06/10/2014
M.-Pilar Marco.
- 20** **Title of the work:** INVITED TALK: Nano(micro)biotechnological perspectives for in vitro diagnostics
Name of the conference: Summer school "Magnetic particle based biosensing of proteins and nucleic acids"
Type of event: Summer School
Type of participation: Participatory - invited/keynote talk
City of event: Barcelona, Spain
Date of event: 02/07/2014
End date: 02/07/2014
- 21** **Title of the work:** INVITED TALK: Perspectivas nanobiotecnológicas del inmunodiagnóstico
Name of the conference: XXVII Congreso Nacional de AETEL Curso Previo "Técnicas de Inmunodiagnóstico"
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Cordoba, Spain
Date of event: 22/05/2014
End date: 22/05/2014
- 22** **Title of the work:** INVITED TALK: Investigación diagnóstica CV. El papel de la nanotecnología
Name of the conference: III Reunión de investigadores de la Red de Investigación Cardiovascular (RIC)
Type of event: Scientific meeting
Type of participation: Participatory - invited/keynote talk
City of event: Madrid, Spain
Date of event: 21/05/2014
End date: 21/05/2014
M.-Pilar Marco.
- 23** **Title of the work:** INVITED TALK: Plataformas de multiplexado de diagnóstico basadas en superficies biohíbridas molecularmente ensambladas
Name of the conference: IOBA Research Seminar



Type of event: Seminar
Type of participation: Participatory - oral communication
City of event: Valladolid, Spain
Date of event: 26/02/2014
End date: 26/02/2014

- 24** **Title of the work:** INVITED TALK: Tecnologías en nanomedicina
Name of the conference: Foro clínico CIBER-BBN-RIC en Cardiología
Type of event: Clinician Forum
City of event: Barcelona, Spain
Date of event: 16/12/2013
End date: 16/12/2013
- 25** **Title of the work:** INVITED TALK: Optical multiplexed diagnostic platform based on site-encoded DNA strategies
Name of the conference: Seminarios BIONAND Centro Andaluz de Nanomedicina y Biotecnología
Type of event: Seminar
Type of participation: Participatory - oral communication
Date of event: 13/09/2013
End date: 13/09/2013
- 26** **Title of the work:** INVITED TALK: Retos y perspectivas nanobiotecnológicas del diagnóstico in vitro
Name of the conference: Foro científico-tecnológico de la Catedra Samca de Nanotecnología
Type of event: Scientifico-technic forum
City of event: Zaragoza, Spain
Date of event: 04/06/2013
End date: 04/06/2013
- 27** **Title of the work:** INVITED TALK: Nanobiotechnology for Diagnostics Group Presentation
Name of the conference: Future Trends in Nanomedicine for Diagnostics and Therapy in Oncology
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Date of event: 25/10/2012
End date: 25/10/2012
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
M.-Pilar Marco.
- 28** **Title of the work:** INVITED TALK: Tienes una infección aunque no lo parezca
Name of the conference: 45º Congreso Nacional SEPAR
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Madrid, Spain
Date of event: 08/06/2012
End date: 11/06/2012
M.-Pilar Marco.
- 29** **Title of the work:** INVITED TALK: Site-encoded DNA Strategies for Optical Multiplexed Diagnostic Platforms
Name of the conference: EUROPT(R)ODE
Type of event: Conference
Type of participation: Participatory - invited/keynote talk



City of event: Barcelona, Spain

Date of event: 01/04/2012

End date: 04/04/2012

Organising entity: CENTRO DE INVESTIGACION EN NANOCIENCIA Y NANOTECNOLOGIA

Type of entity: State agency

M.-Pilar Marco.

30 Title of the work: INVITED TALK: Biohybrid materials and biofunctional surfaces: recent progress towards improved diagnostics

Name of the conference: Seminar for the Organic Chemistry Doctorate Program

Type of event: Seminar

Type of participation: Participatory - invited/keynote talk

City of event: Barcelona, Spain

Date of event: 02/11/2011

End date: 02/11/2011

31 Title of the work: KEYNOTE TALK: New Nanobiotechnological approaches for the diagnosis of infectious and cardiovascular diseases

Name of the conference: Imaginenano 2011

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Bilbao, Basque Country, Spain

Date of event: 11/04/2011

End date: 14/04/2011

Organising entity: ASOCIACION CIC NANOGUNE

M.-Pilar Marco; Carme Pastells; J.-Pablo Salvador; Gloria Colom; Nuria Sanvicens; Nuria Pascual.

32 Title of the work: INVITED TALK: Can nanobiotechnology fulfill in vitro clinical diagnostic challenges?

Name of the conference: Seminar in the Institut de Recerca Hospital Universitari Vall d'Hebron

Type of event: Seminar

Type of participation: Participatory - invited/keynote talk

City of event: Barcelona, Spain

Date of event: 11/02/2011

End date: 11/02/2011

33 Title of the work: INVITED TALK: Biofunctional Surfaces: Selective Sensing Units for Diagnostics

Name of the conference: Barcelona Innovation Workshop: NanoBiotechnology & IT for Health

Type of event: Workshop

Type of participation: Participatory - invited/keynote talk

City of event: Barcelona, Spain

Date of event: 04/10/2010

End date: 06/10/2010

Organising entity: Universitat Autònoma de Barcelona

Type of entity: University

M.-Pilar Marco.

34 Title of the work: INVITED TALK: Nuevas Estrategias para el Análisis De Residuos en Alimentos Utilizando Anticuerpos y Micro(Nano)Sistemas

Name of the conference: KAUSAL 2010: 4º Congreso Internacional de Autocontrol y Alimentos Inócuos para Proteger la Salud

Type of event: Conference



Type of participation: Participatory - invited/keynote talk
City of event: Bilbao, Spain
Date of event: 07/05/2010

- 35** **Title of the work:** INVITED TALK: Nuevas aproximaciones Micro(Nano)Biotecnológicas y Biosensores para Incrementar la Seguridad Alimentaria
Name of the conference: AZTI-Tecnalia
Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
City of event: Bizkaia, Spain
Date of event: 06/05/2010
Organising entity: AZTI Tecnalia
Type of entity: Technological Centre
M.-Pilar Marco.
- 36** **Title of the work:** KEYNOTE TALK: New Opportunities for Diagnostics using Nanobiotechnological Approaches
Name of the conference: NanoSpain 2010
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Malaga,
Date of event: 24/03/2010
Organising entity: FUNDACION PHANTOMS
M.-Pilar Marco.
- 37** **Title of the work:** INVITED TALK: New Developments and Opportunities for Cancer Diagnostics Using Biosensors
Name of the conference: Workshop on Clinical Applications of Nanotechnologies in the Field of Cancer
Type of event: Workshop
Type of participation: Participatory - invited/keynote talk
City of event: Montpellier, France
Date of event: 28/01/2010
End date: 29/01/2010
M.-Pilar Marco.
- 38** **Title of the work:** INVITED TALK: Novel approaches for food residue analysis using antibodies and micro(nano)systems
Name of the conference: Workshop on Nanodiagnostic and Emerging Research (WONDER)
Type of event: Workshop
Type of participation: Participatory - invited/keynote talk
City of event: Milan, Italy
Date of event: 19/11/2009
Organising entity: Politecnico di Milano
Type of entity: University
City organizing entity: Italy
M.-Pilar Marco.
- 39** **Title of the work:** INVITED TALK: New opportunities for diagnostics using biosensors
Name of the conference: Seminar in the Institute of Photonics and Electronics
Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
City of event: Prague, Czech Republic
Date of event: 04/06/2009



- 40** **Title of the work:** INVITED TALK: New Developments and Opportunities for Diagnostics using Biosensors
Name of the conference: CIC-BIOMAGUNE
Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
City of event: San Sebastian, Basque Country, Spain
Date of event: 22/05/2009
Organising entity: CIC bioGUNE, Centro de Investigación Cooperativa en Biociencias
M.-Pilar Marco. **Type of entity:** Innovation and Technology Centres
- 41** **Title of the work:** INVITED TALK: Waveguide interrogated optical sensor (WIOS) for multianalyte screening of antibiotics in milk samples
Name of the conference: Seminar in IRB-PCB
Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
City of event: Barcelona, Spain
Date of event: 05/03/2009
- 42** **Title of the work:** INVITED TALK: Immunodiagnostics: New trends based on novel nano(micro)biotechnological approaches
Name of the conference: Seminar in IBEC
Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
City of event: Barcelona, Spain
Date of event: 06/02/2009
- 43** **Title of the work:** INVITED TALK: Use of Antibodies as Biosensors in Nanomedicine
Name of the conference: ESF-UB Conference in Biomedicine: Nanomedicine 2008
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Sant Feliu de Guíxols, Spain
Date of event: 09/2008
- 44** **Title of the work:** INVITED TALK: Immunosensors: Novel Diagnostic Tools based on Bio-hybrid Materials
Name of the conference: NanoBioEurope 2008
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Barcelona, Spain
Date of event: 09/06/2008
Organising entity: FUNDACION PHANTOMS
M.-Pilar Marco; Javier Adrian; Javier Ramón; Daniel G. Pinacho; J.-Pablo Salvador; Francisco Sanchez Baeza.
- 45** **Title of the work:** INVITED TALK: Bioanalytical Platforms for Residue analysis Based on Different Transducer Principles
Name of the conference: Rapid Methods Europe
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Amsterdam, Holland
Date of event: 21/01/2008



M.-Pilar Marco.

- 46** **Title of the work:** INVITED TALK: Nanobioanalytical Platforms for the Detection of Bioactive Substances
Name of the conference: Nanobiosensors for Biomedical Applications
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Bellaterra, Catalonia, Spain
Date of event: 12/2007
Organising entity: NanoAraCat **Type of entity:** Associations and Groups
M.-Pilar Marco.
- 47** **Title of the work:** INVITED TALK: Brief Overview on Biosensors and Nanobiotechnologies
Name of the conference: XX Reunión Nacional de Espectroscopia/ IV Congreso Ibérico de Espectroscopia
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Ciudad Real, Spain
Date of event: 10/09/2006
End date: 14/09/2006
Organising entity: Universidad de Castilla-La Mancha **Type of entity:** University
M.-Pilar Marco.
- 48** **Title of the work:** INVITED TALK: Immunochemical Techniques for Biological and Environmental Monitoring
Name of the conference: 1st SWIFT-WFD Workshop: Validation of Robustness of Sensors and Bioassays for Screening Pollutants
Type of event: Workshop
Type of participation: Participatory - invited/keynote talk
City of event: Mao, Spain
Date of event: 02/12/2004
End date: 03/12/2004
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
M.-Pilar Marco.
- 49** **Title of the work:** INVITED TALK: Principios y Aplicaciones de los Biosensores en el Sector Industrial, Medioambiental y Biomédico
Name of the conference: Congreso Nacional de Biotecnología (Biotec 2002)
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Sevilla, Spain
Date of event: 07/2002
Organising entity: Sociedad Española en Biotecnología **Type of entity:** Associations and Groups
- 50** **Title of the work:** INVITED TALK: Development of Immunochemical Methods for Trichlorophenol Analysis in Environmental and Biological Samples
Name of the conference: Seminar in University College Cork
Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
Date of event: 03/2001



- 51** **Title of the work:** INVITED TALK: Principis i aplicacions dels biosensors en l'anàlisi de compostos d'interès industrial, mediambiental i biomèdic
Name of the conference: Seminar in Societat Catalana de Química
Type of event: Seminar
Type of participation: Participatory - invited/keynote talk
Date of event: 30/11/2000

Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** Nanobiotechnological approaches for multiplexed bioanalysis
Name of the event: UNISENSOR Scientific Day "Innovation in Point of Care Diagnostic"
City of event: Liège, Belgium
Date of event: 03/2018
- 2** **Title of the work:** A microplate based immunoassay for kynurenic acid in clinical samples
Name of the event: 10th CIBER-BBN Annual Conference
Type of event: Workshop
Corresponding author: Yes
City of event: Sevilla, Andalusia, Spain
Date of event: 28/11/2016
End date: 29/11/2016
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Montserrat Rodríguez Núñez; Lluïsa Vilaplana; Roger Galve; Francisco Sánchez Baeza; M.-Pilar Marco.
- 3** **Title of the work:** Chair: Cancer Research Projects in Collaboration with ECO Foundation
Name of the event: 10th CIBER-BBN Annual Conference
Type of event: Workshop
Corresponding author: Yes
City of event: Sevilla, Andalusia, Spain
Date of event: 28/11/2016
End date: 29/11/2016
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
M.-Pilar Marco.
- 4** **Title of the work:** Platform for Biomolecules Production
Name of the event: 10th CIBER-BBN Annual Conference
Type of event: Workshop
Corresponding author: Yes
City of event: Sevilla, Andalusia, Spain
Date of event: 28/11/2016
End date: 29/11/2016
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
M.-Pilar Marco.
- 5** **Title of the work:** Nanophotonic interferometric immunosensor for label-free and real time monitoring of Irgarol 1051 in sea water
Name of the event: BRAAVOO Marine Biosensors Workshop
Type of event: Workshop
City of event: Villars sur Ollon, Switzerland



Date of event: 24/11/2016

End date: 25/11/2016

B. Chocarro; S. Herranz; A. Fernández; M.-Pilar Marco; J. Sanchis; Marinel·la Farre; Laura Lechuga.

- 6** **Title of the work:** NanoBioSepRes Project
Name of the event: Jornadas Docencia CIBERES
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: National
City of event: Madrid, Community of Madrid, Spain
Date of event: 29/09/2016
Organising entity: CIBER ENFERMEDADES RESPIRATORIAS (CIBERES)
M.-Pilar Marco.
- 7** **Title of the work:** SPR-based immunoassay for quantification of Sintrom in serum
Name of the event: JPHD2016 - 2nd Scientific Meeting of BNC-b PhD Students in Nanoscience
Type of event: Workshop
Date of event: 29/06/2016
End date: 30/06/2016
Organising entity: Universitat Autònoma de Barcelona
Type of entity: University
E.-Cristina Peláez; M.-Carmen Estevez; J.-Pablo Salvador; M.-Pilar Marco; Laura M. Lechuga.
- 8** **Title of the work:** Competitive barcode assay for detection of small analytes
Name of the event: 11th Workshop on Biosensors & Bioanalytical Microtechniques in Environmental, Food and Clinical Analysis
Corresponding author: Yes
City of event: Regensburg, Germany
Date of event: 26/09/2015
End date: 30/09/2015
Organising entity: Institute of Analytical Chemistry, Chemo- and Biosensors University of Regensburg
Type of entity: University
City organizing entity: Regensburg, Germany
Marta Broto; Lorena Garcia; J.-Pablo Salvador; Roger Galve; M.-Pilar Marco.
- 9** **Title of the work:** Specific immunochemical diagnosis of infections caused by Pseudomonas aeruginosa
Name of the event: 11th Workshop on Biosensors & Bioanalytical Microtechniques in Environmental, Food and Clinical Analysis
Corresponding author: Yes
City of event: Regensburg, Germany
Date of event: 26/09/2015
End date: 30/09/2015
Organising entity: Institute of Analytical Chemistry, Chemo- and Biosensors University of Regensburg
Type of entity: University
City organizing entity: Regensburg, Germany
Carme Pastells; Javier Ramón Azcón; Nuria Pascual; Francisco Jose Sanchez Baeza; M.-Pilar Marco.
- 10** **Title of the work:** Optical Multiplexed Diagnostic Platforms based on Site-encoded DNA Strategies
Name of the event: 250th American Chemical Society National Meeting & Exposition "Innovation from Discovery to Application".
Corresponding author: Yes



City of event: Boston, United States of America

Date of event: 16/08/2015

End date: 20/08/2015

Organising entity: American Chemical Society
M.-Pilar Marco.

Type of entity: Associations and Groups

11 Title of the work: Development of immunochemical techniques for the determination of environmental pollutants

Name of the event: 1st Progress Workshop & 1st Case Study of the SEA-on-a-CHIP project

City of event: Sivota, Greece

Date of event: 27/05/2015

End date: 29/04/2015

Organising entity: University of Ioannina

Type of entity: University

A. Sanchis; J.P. Salvador; C. Bosch Orea; M. Farre; M.P. Marco.

12 Title of the work: Investigation of the role of neuroactive tryptophan metabolites in the development of neurodegenerative and metabolic diseases (NEUROTRYP)

Name of the event: Ageing with a Healthy Brain: EIT Health Thematic Matchmaking Workshop

City of event: Leuven, Belgium

Date of event: 28/04/2015

End date: 29/04/2015

Organising entity: EIT Health

Type of entity: Associations and Groups

M. Rodriguez; M.P. Marco.

13 Title of the work: Analysis of sulphonamide antibiotics in seawater by enzyme-linked immunosorbent assay (ELISA)

Name of the event: 1st Progress Workshop & 1st Case Study of the SEA-on-a-CHIP project

City of event: Sivota, Greece

Date of event: 27/04/2015

End date: 29/04/2015

Organising entity: University of Ioannina

Type of entity: University

C. Bosch Orea; J.P. Salvador; M.P. Marco; M. Farre; D. Barceló.

14 Title of the work: Development of a Surface Plasmon Immunosensor (SPR) for the detection of sulfonamide antibiotics in marine environments and seafood

Name of the event: 1st Progress Workshop & 1st Case Study of the SEA-on-a-CHIP project

City of event: Sivota, Greece

Date of event: 27/04/2015

End date: 29/04/2015

Organising entity: University of Ioannina

Type of entity: University

M. Farre; C. Bosch Orea; M. Llorca; J.P. Salvador; M.P. Marco; S.R. Mozaz; D. Barceló.

15 Title of the work: Irgarol detection based on the new portable impedance measurement device and FTT analysis

Name of the event: 1st Progress Workshop & 1st Case Study of the SEA-on-a-CHIP project

City of event: Sivota, Greece

Date of event: 27/04/2015

End date: 29/04/2015

Organising entity: University of Ioannina

Type of entity: University

R. Pruna; F. Palacio; M. Martinez; M. Lee; A. Baraket; A. Errachid; J.P. Salvador; M.P. Marco.



- 16** **Title of the work:** Nanobiotechnologic Perspectives for In Vitro Diagnostics
Name of the event: Sesión Científico Semanal
City of event: Madrid, Spain
Date of event: 10/04/2015
Organising entity: Centro de Tecnología Biomédica, **Type of entity:** University Centres and Structures and Associated Bodies
Universidad Politécnica de Madrid
M.-Pilar Marco.
- 17** **Title of the work:** Noves tecnologies per afavorir la salut: el CIBER-BBN (Bioenginyeria, Biomaterials i Nanomedicina), una estratègia per afavorir l'impacte de la investigació del CSIC en la societat
Name of the event: CIÈNCIA D'AVUI PER UN DEMÀ MILLOR 75è aniversari del CSIC. Cicle de conferències
City of event: Barcelona,
Date of event: 09/12/2014
Organising entity: Consejo Superior de **Type of entity:** State agency
Investigaciones Científicas
M.-Pilar Marco.
- 18** **Title of the work:** Custom Antibody Service: From the molecule to the bioassay
Name of the event: VIII Jornadas Anuales CIBER-BBN
City of event: Girona,
Date of event: 10/11/2014
End date: 11/11/2014
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Nuria Pascual; Ana Gonzalez Gonzalez; M.-Pilar Marco.
- 19** **Title of the work:** Host Presentation
Name of the event: Forum on Brain Health and Neurorestoration
City of event: Barcelona, Spain
Date of event: 10/09/2014
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
M.-Pilar Marco.
- 20** **Title of the work:** Nano(micro)biotechnological perspectives for in vitro diagnostics
Name of the event: Summer School "Magnetic Particle based Biosensing of Proteins and Nucleic Acids" part of the training activities of BIO-MAX network on novel diagnostic bio-assays based on magnetic particles
Date of event: 02/07/2014
Organising entity: Universitat Autònoma de **Type of entity:** University
Barcelona
M.-Pilar Marco.
- 21** **Title of the work:** Perspectivas nanobiotechnológicas del inmunodiagnóstico
Name of the event: XXVII Congreso Nacional de AETEL Curso previo "Técnicas de inmunodiagnóstico"
City of event: Cordoba, Spain
Date of event: 22/05/2014
Organising entity: Asociación Española de **Type of entity:** Associations and Groups
Técnicos de Laboratorio
M.-Pilar Marco.



- 22** **Title of the work:** Investigación Diagnóstica CV. El papel de la nanotecnología
Name of the event: III Reunión de Investigadores del Red de Investigación Cardiovascular (RIC)
City of event: Madrid,
Date of event: 21/05/2014
Organising entity: Red de Investigación Cardiovascular
M.-Pilar Marco. **Type of entity:** Associations and Groups
- 23** **Title of the work:** Plataformas de multiplexado de diagnóstico basadas en superficies biohíbridas molecularmente ensambladas
Name of the event: Seminario de Investigación IOBA
City of event: Valladolid,
Date of event: 26/02/2014
Organising entity: Instituto Universitario de Oftalmobiología Aplicada (IOBA)
M.-Pilar Marco. **Type of entity:** University Research Institute
- 24** **Title of the work:** Immunoassay for rapid diagnosis of infectious diseases caused by Pseudomonas aeruginosa
Name of the event: Foro innovación en tecnología para el diagnóstico de enfermedades infecciosas
City of event: Madrid,
Date of event: 21/01/2014
Organising entity: Instituto de Salud Carlos III
Carme Pastells; Enrique Valera; Nuria Pascual; M.-Pilar Marco. **Type of entity:** Public Research Body
- 25** **Title of the work:** Tecnologías en Nanomedicina
Name of the event: Foro Clínico CIBER-BBN - RIC en Cardiología
City of event: Barcelona,
Date of event: 16/12/2013
Organising entity: Hospital Universitario Vall d'Hebron
M.-Pilar Marco. **Type of entity:** Healthcare Institutions
- 26** **Title of the work:** Señalización celular y nanoconjugados
Name of the event: Reunión TERCEL - CIBER-BBN
City of event: Murcia,
Date of event: 13/12/2013
Organising entity: Instituto de Salud Carlos III
M.-Pilar Marco. **Type of entity:** Public Research Body
- 27** **Title of the work:** A novel immunochemical approach for the diagnosis of infectious diseases caused by Pseudomonas aeruginosa
Name of the event: VII Jornadas Anuales CIBER-BBN
City of event: Malaga,
Date of event: 21/11/2013
End date: 22/11/2013
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
C. Pastells; N. Pascual; F.J. Sanchez Baeza; M.P. Marco.



- 28** **Title of the work:** Development of a multiplexed fluorescent microarray for the cardiovascular biomarkers detection
Name of the event: VII Jornadas Anuales CIBER-BBN
City of event: Malaga,
Date of event: 21/11/2013
End date: 22/11/2013
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Glòria Colom; J.-Pablo Salvador; M.-Pilar Marco.
- 29** **Title of the work:** NanBioSepRes Project (a CIBER-BBN, CIBERES and SEPAR initiative): A novel impedimetric immunosensor for the detection of Pseudomonas aeruginosa
Name of the event: VII Jornadas Anuales CIBER-BBN
City of event: Malaga,
Date of event: 21/11/2013
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Enrique Valera; Carme Pastells; Elisa Martró; Elena Jordana; Ignasi Garcia; Montserrat Giménez; Alicia Marin; Carlos Martínez; Cristina Prats; Marisol Prats; Juan Ruiz Manzano; Vicente Ausina; M.P. Marco.
- 30** **Title of the work:** A novel immunochemical approach for the diagnosis of infectious diseases caused by Pseudomonas aeruginosa
Name of the event: V Workshop CBN'13
City of event: Barcelona,
Date of event: 17/10/2013
Organising entity: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
Carme Pastells; Nuria Pascual; Francisco Sanchez Baeza; M.-Pilar Marco.
- 31** **Title of the work:** Development and validation of a microplate-based ELISA for the detection of chloramphenicol in food samples
Name of the event: V Workshop CBN'13
City of event: Barcelona,
Date of event: 17/10/2013
Organising entity: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
Alex Hernandez Albors; A. Muriano; F. Sanchez Baeza; M.-Pilar Marco.
- 32** **Title of the work:** Development of an immunoassay for the detection of penicillin hypersensitivity reactions
Name of the event: V Workshop CBN'13
City of event: Barcelona,
Date of event: 17/10/2013
Organising entity: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
Sonia Matas; Marta Broto; M.-Pilar Marco; Roger Galve.
- 33** **Title of the work:** Optical Multiplexed Diagnostic Platform based on Site-Encoded DNA strategies
Name of the event: Seminarios del BIONAND
City of event: Malaga,
Date of event: 13/09/2013
Organising entity: Centro Andaluz de Nanomedicina y Biotecnología BIONAND
Type of entity: Innovation and Technology Centres
M.-Pilar Marco.



- 34** **Title of the work:** Retos y Perspectivas Nanobiotecnologicas del Diagnostico In Vitro
Name of the event: Foro Científico Tecnológico Cátedra SAMCA de Nanotecnología: NANOMEDICINA
City of event: Zaragoza,
Date of event: 04/06/2013
Organising entity: Universidad de Zaragoza **Type of entity:** University
M.-Pilar Marco.
- 35** **Title of the work:** Nanomedicine Session
Name of the event: VI Jornadas Anual CIBER-BBN
Date of event: 19/11/2012
End date: 20/11/2012
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
M.-Pilar Marco.
- 36** **Title of the work:** DNA-Directed Immobilization of Gold Nanoparticle-Oligonucleotide Bioconjugates as a Strategy to Develop LSPR Biosensors
Name of the event: IV Workshop CBN'12
City of event: Barcelona,
Date of event: 18/10/2012
Organising entity: INSTITUTO DE QUIMICA **Type of entity:** State agency
AVANZADA DE CATALUÑA
Nuria Tort; J.-Pablo Salvador; M.-Pilar Marco.
- 37** **Title of the work:** Development of an Amperometric/Columbimetric Multi-analyte Immunosensor based on Specific Antibodies Labelled with CdS and PbS Nanoparticles
Name of the event: IV Workshop CBN'12
City of event: Barcelona,
Date of event: 18/10/2012
Organising entity: INSTITUTO DE QUIMICA **Type of entity:** State agency
AVANZADA DE CATALUÑA
Enrique Valera; Raul Garcia Febrero; Chris Elliott; Francisco Sanchez Baeza; M.-Pilar Marco.
- 38** **Title of the work:** Development of an Electrochemical Magneto Immunosensor for Determination of Paraquat Residues in Potato Samples
Name of the event: IV Workshop CBN'12
City of event: Barcelona,
Date of event: 18/10/2012
Organising entity: INSTITUTO DE QUIMICA **Type of entity:** State agency
AVANZADA DE CATALUÑA
Raul Garcia Febrero; E. Valera; A. Muriano; M.I. Pividori; Francisco Sanchez Baeza; M.-Pilar Marco.
- 39** **Title of the work:** Tienes una infección aunque no lo parezca
Name of the event: 45º Congreso Nacional SEPAR
Date of event: 08/06/2012
End date: 11/06/2012
Organising entity: Sociedad Española de **Type of entity:** Associations and Groups
Neumología y Cirugía Torácica
M.-Pilar Marco.



- 40** **Title of the work:** Debate: Fomentar la cooperación Farma/ Medtech-Nano/ Biotech
Name of the event: V Conferencia Anual de las Plataformas Tecnológicas de Investigación Biomédica: Medicamentos Innovadores, Nanomedicina Tecnología Sanitaria y Mercados Biotecnológicos Formentando la Open Innovation
City of event: Barcelona,
Date of event: 14/02/2012
M.-Pilar Marco.
- 41** **Title of the work:** Disposable Multiplexed Microsensor for Direct Detection of BNP and Troponin by Impedance Measurements
Name of the event: V Jornadas Anuales CIBER-BBN
City of event: Zaragoza,
Date of event: 12/09/2011
End date: 13/09/2011
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
E. Prats; A. Guimerà; L. Abad; F.J. del Campo; F.J. Muñoz; R. Vila; J. Alguiló; M. Royo; F. Albericio; J.P. Salvador; M.P. Marco; J.L. Fernandez; M. Doblaré; J.L. Pomar; M. Sabate.
- 42** **Title of the work:** Can Nanobiotechnology Fulfill In Vitro Clinical Diagnostic Challenges?
Name of the event: Nano Seminars CIBBIM - Nanomedicina.
City of event: Barcelona,
Date of event: 11/02/2011
Organising entity: Hospital Universitario Vall d'Hebron
M.-Pilar Marco. **Type of entity:** Healthcare Institutions
- 43** **Title of the work:** In Vitro Diagnostics: Challenges and Nanobiotechnological Perspectives
Name of the event: Reunión de la Plataforma Española de Nanomedicina
Date of event: 01/02/2011
Organising entity: Nanomed Spain
M.-Pilar Marco. **Type of entity:** Associations and Groups
- 44** **Title of the work:** Gold nanorods for LSPR based biosensors
Name of the event: 3rd Workshop of the Sensors Divisional Group of the Italian Chemical Society (GS2010)
City of event: Florencia, Italy
Date of event: 26/10/2010
End date: 28/10/2010
Organising entity: Italian Chemical Society
Ilaria Mannelli; Nuria Tort; Fatima Fernandez; J.-Pablo Salvador; Borja Sepulveda; Laura Lechuga; M.-Pilar Marco. **Type of entity:** Associations and Groups
- 45** **Title of the work:** Quantum dot-based antibody array for single-cell detection of Escherichia coli
Name of the event: IV Jornadas Anuales CIBER-BBN
City of event: Barcelona,
Date of event: 06/05/2010
End date: 07/05/2010
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Nuria Sanvicens; Nuria Pascual; M.T. Fernandez Argüelles; J.M. Costa Fernandez; F. Sanchez Baeza; A. Sanz Mendel; M.-Pilar Marco.



- 46** **Title of the work:** New Opportunities for Diagnostics Using Biosensors
Name of the event: Seminario Institute of Photonics and Electronics
City of event: Prague, Czech Republic
Date of event: 04/06/2009
Organising entity: Institute of Photonics and Electronics
Type of entity: University Research Institute
M.-Pilar Marco.
- 47** **Title of the work:** Biosensores: Nuevas Tendencias en Química Clínica
Name of the event: Curso precongreso: Aspectos Fundamentales y Aplicaciones de la Nanomedicina y la Nanotecnología en Biomedicina
City of event: Barcelona,
Date of event: 30/04/2009
Organising entity: Hospital Universitario Vall d'Hebron
Type of entity: Healthcare Institutions
M.-Pilar Marco.
- 48** **Title of the work:** Nanobiosensor multi-analyte platform for simultaneous detection of three different steroid hormones
Name of the event: Nanobiosensor multi-analyte platform for simultaneous detection of three different steroid hormones
City of event: Barcelona,
Date of event: 14/04/2009
End date: 15/04/2009
Organising entity: FUNDACIO PRIVADA INSTITUT DE BIOENGINYERIA DE CATALUNYA
S. Oberhansl; J. Comelles; N. Tort; A. Lagunas; M.P. Marco; E. Martinez; J. Samitier.
- 49** **Title of the work:** Waveguide Interrogated Optical Sensor (WIOS) for Multianalyte Screening of Antibiotics in Milk Samples
Name of the event: Seminarios IRB-PCB
City of event: Barcelona,
Date of event: 19/03/2009
Organising entity: Instituto de Investigación Biomédica
Type of entity: University Research Institute
M.-Pilar Marco.
- 50** **Title of the work:** Strategies for antibody-based site and optically encoded microarrays
Name of the event: III Jornadas Anuales CIBER
City of event: Barcelona,
Date of event: 17/02/2009
End date: 18/02/2009
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
J.-Pablo Salvador; Nuria Tort; Ester Vila; Gloria Colom; Ilaria Mannelli; M.-Pilar Marco.
- 51** **Title of the work:** Immunodiagnostics: New Trends based on Novel Nano(micro)biotechnological Approaches
Name of the event: Seminario IBEC
City of event: Barcelona,
Date of event: 06/02/2009
Organising entity: FUNDACIO PRIVADA INSTITUT DE BIOENGINYERIA DE CATALUNYA
M.-Pilar Marco.



- 52** **Title of the work:** Development of an enzyme-linked immunosorbent assay (ELISA) for detection of sulfonamide antibiotics in feed resources for pigs.
Name of the event: 12^a Jornadas de Analisis Instrumental
Date of event: 21/10/2008
End date: 23/10/2008
Organising entity: SOCIEDAD ESPAÑOLA DE CROMATOGRFÍA Y TÉCNICAS AFINES
V. Jimenez; Javier Adrian; J. Guiteras; M.-Pilar Marco; Ramon Companyó.
- 53** **Title of the work:** Quasi-reagentless amperometric immunosensors for the detection of antibiotic residues
Name of the event: 12^a Jornadas de Analisis Instrumental
Date of event: 21/10/2008
Organising entity: SOCIEDAD ESPAÑOLA DE CROMATOGRFÍA Y TÉCNICAS AFINES
J. Jimenez; A. Narvaez; J. Adrian; F. Sanchez Baeza; M.-Pilar Marco; E. Domínguez.
- 54** **Title of the work:** Use of antibodies as biosensors in nanomedicine
Name of the event: ESF-UB Conference in Biomedicine: Nanomedicine 2008
Date of event: 19/09/2008
End date: 24/09/2008
Organising entity: European Science Foundation **Type of entity:** Foundation
M.-Pilar Marco.
- 55** **Title of the work:** Two-photon immunofluorescent assay for androgenic hormones using resonant grating waveguide structures
Name of the event: Seminarios European Optical Society
Date of event: 06/2008
Organising entity: European Optical Society **Type of entity:** Associations and Groups
A. Thayil; A. Muriano; J.P. Salvador; R. Galve; M.P. Marco; P. Loza Alvarez; S. Soria.
- 56** **Title of the work:** Biosensors: Una alternativa per l'analisi química
Name of the event: Curs d'Introducció a la Recerca
City of event: Barcelona,
Date of event: 2008
Organising entity: Universitat de Barcelona **Type of entity:** University
M.-Pilar Marco.
- 57** **Title of the work:** Capteur biomimétique pour la détection de l'atrazine par Spectroscopie d'Impédance
Name of the event: Seminarios Groupe Français de Bioélectrochimie
City of event: Ceret, France
Date of event: 2006
Organising entity: Groupe Français de Bioélectrochimie
C. Gondran; K. Gorgy; A. le Pellec; M.P. Dubois; S. Cosnier; J. Wiebe; C. Kraft; K. Kramer; J. Ramon; F. Sanchez Baeza; M.P. Marco.
- 58** **Title of the work:** Principis i Aplicacions dels Biosensors a l'Anàlisi de Compostos d'Interès Mediambiental, Agroalimentari i Biomèdic
Name of the event: Jornada sobre Biosensors i Bio-xips: Programa de Jornades de Gestió de Qualitat de Productes Agroalimentaris
City of event: Barcelona,
Date of event: 04/2005
Organising entity: Generalitat de Catalunya **Type of entity:** Gobierno
M.-Pilar Marco.



- 59** **Title of the work:** Competitive quenching fluorescence immunoassay for chlorophenols based on laser-induced fluorescence detection in microdroplets
Name of the event: VII Trobada Transfrontera sobre Sensors i Biosensors
City of event: Barcelona,
Date of event: 09/2002
Organising entity: Universitat Rovira i Virgili **Type of entity:** University
Mikaela Nickkova; Jun Feng; Ian M. Kennedy; Bruce D. Hammock; Francisco Sanchez Baeza; M.-Pilar Marco.
- 60** **Title of the work:** Natural and synthetic selective molecular receptors applied to the analysis of biocides and surfactants
Name of the event: VII Trobada Transfrontera sobre Sensors i Biosensors
City of event: Barcelona,
Date of event: 09/2002
Organising entity: Universitat Rovira i Virgili **Type of entity:** University
M-Carmen Estevez; Francisco Sanchez Baeza; M.-Pilar Marco.
- 61** **Title of the work:** Preparation of antibodies and development of an ELISA for 2,4,6-trichloroanisole
Name of the event: VII Trobada Transfrontera sobre Sensors i Biosensors
City of event: Barcelona,
Date of event: 09/2002
Organising entity: Universitat Rovira i Virgili **Type of entity:** University
Nuria Sanvicens; Hector Font; Begoña Varela; Francisco Sanchez Baeza; M.-Pilar Marco.
- 62** **Title of the work:** Preparation of natural (antibodies) and synthetic selective receptors
Name of the event: VII Trobada Transfrontera sobre Sensors i Biosensors
City of event: Barcelona,
Date of event: 09/2002
Organising entity: Universitat Rovira i Virgili **Type of entity:** University
M.-Pilar Marco.
- 63** **Title of the work:** Development of immunochemical methods for trichlorophenol analysis in environmental and biological samples
Name of the event: Seminario University College Cork
City of event: Cork, Ireland
Date of event: 05/2001
Organising entity: University College Cork **Type of entity:** University
M.-Pilar Marco.
- 64** **Title of the work:** Principis i aplicacions dels biosensors en l'anàlisi de compostos d'interès industrial, mediambiental i biomèdic
Name of the event: Seminar Societat Catalana de Química
City of event: Barcelona,
Date of event: 30/11/2000
Organising entity: Societat Catalana de Química **Type of entity:** Associations and Groups
M.-Pilar Marco.
- 65** **Title of the work:** Miniaturised immunosensor based on integrated Mach-Zehnder interferometers for environmental evaluation
Name of the event: BIOSET Concerted Action on Biosensors for Environmental Monitoring.



City of event: Cascais, Portugal

Date of event: 09/2000

L.M. Lechuga; F. Prieto; A. Calle; A. Lloveras; C. Dominguez; B. Ballesteros; M.-Pilar Marco; F. Sanchez.

66 Title of the work: Immunochromatography for fast, unexpensive and environmentally friendly analysis of PCBs

Name of the event: XXIX Scientific Meeting of the Group of Chromatography and Related Techniques, Universidad de Alcalá

City of event: Alcalá de Henares,

Date of event: 07/2000

Organising entity: Universidad de Alcalá de Henares

Type of entity: University

M.A. Concejero; R. Galve; B. Herradón; M.P. Marco; M.J. Gonzalez; M. de Frutos.

67 Title of the work: Enzimoimmunoassaig i detecció de microorganismes

Name of the event: Curs al Centre de Formació i Estudis Agrorurals

City of event: Cambrils,

Date of event: 03/2000

Organising entity: Generalitat de Catalunya

Type of entity: Gobierno

M.-Pilar Marco.

68 Title of the work: Entwicklyng Eines Detektors Für Elektrochemische Enzymeimmunoassays

Name of the event: Bioanalytik für Junge Wissenschaftler (Bioanalítica pare Jovenes Científicos)

City of event: Marburg, Germany

Date of event: 11/1999

Organising entity: GBM Gesellschaft für Biochemie und Molekularbiologie e.V.

Type of entity: Innovation and Technology Centres

City organizing entity: Germany

C. Nistor; J. Emnéus; M.P. Marco; A. Makower; D. Pfeiffer; F. Scheller; U. Wolleenberger.

69 Title of the work: Aplicació de les Tècniques Inmunoquímiques a l'Anàlisi de Productes Natural

Name of the event: Curs: Assaigs Biològics en Investigació de Productes Naturals

City of event: Barcelona,

Date of event: 01/1998

Organising entity: Universitat de Barcelona

Type of entity: University

M.-Pilar Marco.

70 Title of the work: Pheromone production in two lepidopteran species: *Manestra brassicae* and *Spodoptera littoralis* (Noctuidae): evidence for both humoral and neural regulation?

Name of the event: Jacques Monod Conference. Chemical Communication in vertebrates and invertebrates: Nature, Neuroregulation and Molecular Receptors of Pheromones.

City of event: Paris, France

Date of event: 04/1997

Organising entity: Centre National de la Recherche Scientifique

Type of entity: Public Research Body

E. Jacquin Joly; M.P. Marco; N. Le Meillour; G. Fabrias.

71 Title of the work: Caracterisation biochimique et moleculaire de neurpeptide MAb-PBAN, inducteur de la production pheromonale chez la Noctuelle du Chou, *Mamestra brassica* (Lepidoptera: Nocutidae)

Name of the event: XII Colloque de Physiologie de l'Insecte

City of event: Nice, France

Date of event: 1997



E. Jacquin Joly; M. Burnet; M.C. François; M.C. Ammar; G. Fabrias; M.P. Marco; F. Iglesias; P. Nagman Le Meillour.

- 72** **Title of the work:** Chemical communications in vertebrates and invertebrates: Nature, neuroregulation and molecular receptors of pheromones
Name of the event: Jacques Monod Conference. Chemical communication in vertebrates and invertebrates: Nature, Neuroregulation and Molecular Receptors of Pheromones.
City of event: Aussois, France
Date of event: 10/1994
Organising entity: Centre National de la Recherche Scientifique **Type of entity:** Public Research Body
M.P. Marco; G. Fabrias.
- 73** **Title of the work:** Comparison of two enzyme-linked immunosorbent assays and US EPA Method 531.1 for the determination of carbaryl in ground water
Name of the event: Workshop on Biosensors and Biological Techniques in Environmental Analysis
City of event: Paris, France
Date of event: 09/1994
M.P. Marco; S. Chiron; D. Barceló.
- 74** **Title of the work:** Development of an enzyme-linked immunosorbent assay for atrazine and carbaryl
Name of the event: Pesticide Residue Workshop
City of event: Sacramento, United States of America
Date of event: 02/1991
Organising entity: Californian Department of Food and Agriculture **Type of entity:** State agency
P. Schneider; M.P. Marco; B.D. Hammock.
- 75** **Title of the work:** Producción de beta-ecdisona a partir de *Polypodium vulgare*
Name of the event: Conference of Vegetal Physiology organised between Spain and Portugal
City of event: Barcelona,
Date of event: 09/1989
E. Melé; F. Camps; E. Clavería; J. Coll; M.-Pilar Marco; J. Messeguer.
- 76** **Title of the work:** Análisis Térmico Diferencial de los Cristales del Ácido Colánico
Name of the event: XII Reunión Bienal de la Real Sociedad de Química
City of event: Murcia,
Date of event: 09/1988
Organising entity: Real Sociedad de Química **Type of entity:** Associations and Groups
F. Camps; J. Coll; M.P. Marco.
- 77** **Title of the work:** Optimización de la separación de ecdisteroides por HPLC
Name of the event: XII Reunión Bienal de la Real Sociedad de Química
City of event: Murcia,
Date of event: 09/1988
Organising entity: Real Sociedad de Química **Type of entity:** Associations and Groups
F. Camps; J. Coll; M.P. Marco; J. Tomás.
- 78** **Title of the work:** Síntesis de Alcaloides Indólicos
Name of the event: XI Reunión Bienal de Química Orgánica
City of event: Valladolid,



Date of event: 1985

Organising entity: Real Sociedad de Química

Type of entity: Associations and Groups

M.P. Marco; E. Zulaica; J. Bolós; M. Rubiralta; M.L. Bannasar; J. Bosch.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Scientific Advisory Board
Affiliation entity: University of Natural Resources and Life Sciences Vienna- BOKU
City affiliation entity: Viena, Austria
Start date: 07/05/2020
- 2** **Committee title:** Comisión Gestora de la Sociedad Catalana de Biotecnología Medica
Primary (UNESCO code): 230200 - Biochemistry; 320000 - Medical Science
Affiliation entity: Academia de Ciencias Medicas de Cataluña y Baleares
City affiliation entity: Barcelona, Spain
Start date: 01/10/2016
- 3** **Committee title:** Scientific Advisory Board
Primary (UNESCO code): 320000 - Medical Science; 330000 - Technological Science.
Affiliation entity: BIONAND
City affiliation entity: Málaga, Spain
Start date: 01/03/2016
Type of entity: Innovation and Technology Centres

R&D management

- 1** **Name of the activity:** Coordinadora del Área de Diagnóstico y Contención de la PTI Salud Global
Performed tasks: Coordinadora
Entity: Consejo Superior de Investigaciones Científicas
Type of entity: State agency
Start date: 01/04/2020
- 2** **Name of the activity:** Coordinadora del Área de Terapia y Vacunas de la PTI Salud Global
Performed tasks: Coordinadora
Entity: Consejo Superior de Investigaciones Científicas
Type of entity: State agency
Start date: 01/04/2020
- 3** **Name of the activity:** Vicedirectora del Insituto de Quimica Avanzada de Cataluña
Type of management: Management of body
Performed tasks: Vicedirectora
Entity: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA
Type of entity: State agency
Start date: 16/01/2017
- 4** **Name of the activity:** Miembro del Comité de Dirección del CIBER-BBN
Type of management: Management of body
Performed tasks: Colaborar en la gestión del Centro



Entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)

Start date: 01/05/2011

Duration: 6 years

- 5 Name of the activity:** Coordinador del Programa de Investigación en Nanomedicina
Type of management: Management of R&D&I actions and projects
Performed tasks: Coordinar las actividades científicas en el área de la Nanomedicina
Entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Start date: 01/05/2011
Duration: 6 years

- 6 Name of the activity:** Coordinator of the Biosensors and Molecular Diagnostic Research Line
Type of management: Management of R&D&I actions and projects
Performed tasks: Coordinar actividades científicas
Entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Start date: 01/01/2009
Duration: 3 years

- 7 Name of the activity:** Head of the Chemical and Biomolecular Nanotechnology Department
Type of management: Management of body
Performed tasks: Dirección del Departamento
Entity: Consejo Superior de Investigaciones Científicas
Start date: 01/01/2007
Type of entity: State agency
Duration: 5 years

Other achievements

Scientific societies and professional associations

- 1 Name of the society:** BioNanoNet (BNN)
Start date: 06/2019
- 2 Name of the society:** Xarxa de Referencia d'R+D+I en Biotecnologia
Start date: 03/12/2018
- 3 Name of the society:** American Chemical Society
Affiliation entity: American Chemical Society
City affiliation entity: United States of America
Start date: 2006
- 4 Name of the society:** European Technology Platform on Nanomedicine (ETPN)
Start date: 2005
- 5 Name of the society:** Plataforma Española de Nanomedicina (NANOMED SPAIN)
Affiliation entity: FUNDACIO PRIVADA INSTITUT DE BIOENGINYERIA DE CATALUNYA
City affiliation entity: Spain