



Vicente Luis Cebolla Burillo

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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.

Vicente L. Cebolla obtuvo el grado de Doctor en Química en la Universidad de Zaragoza en 1987, tras realizar el trabajo experimental sobre hidrolícuofacción catalítica del carbón en el Institut de Recherches sur la Catalyse del CNRS (Centre National de la Recherche Scientifique, Villeurbanne) y en el Departamento de Química Orgánica de la Universidad de Metz, ambos en Francia. Antes de obtener plaza en el Consejo Superior de Investigaciones Científicas en 1992, trabajó como investigador en el Departamento de R&D de Henkel Ibérica, en Montornés del Vallés (Barcelona). Actualmente, es Investigador Científico del CSIC en el Instituto de Carboquímica de Zaragoza, donde dirige un grupo de investigación dedicado a la tecnología química de la separación y detección. Sus áreas de interés incluyen la teoría y aplicación de la fluorescencia molecular y de técnicas cromatográficas para el análisis de mezclas complejas, tales como productos de conversión del petróleo, biocombustibles y muestras relacionadas con lípidos. Su trabajo ha contribuido a la explicación del efecto de las interacciones no-específicas en la emisión fluorescente, así como al desarrollo de métodos basados en la fluorescencia-inducida para detectar compuestos que no contienen cromóforos o tienen pobres propiedades de absorción. Actualmente está implicado en el desarrollo de sistemas ópticos originales de detección a partir de efectos de entorno molecular, y en el seguimiento por esta técnica de sistemas nanotransportadores de moléculas basados en el autoensamblado de oligoglicinas.

Fue premio "Richard H. Glenn" en 2002, concedido por la American Chemical Society (Division of Fuel Chemistry). Lideró entre 2008 y 2012 una acción de transferencia de know-how con el objetivo de implantar en los sistemas de calidad de TOTAL Raffinage et Marketing una técnica original de detección de moléculas sin cromóforos para la caracterización de moléculas de este tipo en productos de petróleo y biocombustibles. Es además coautor de varias patentes. Ha participado en proyectos públicos nacionales e internacionales, ha publicado en diferentes revistas científicas, presentado su investigación en numerosos congresos, y ha desarrollado contratos de investigación con diversas empresas.

Es promotor y socio de la spin-off ARCHENT NANO (del CSIC, Universidad de Zaragoza y University of Surrey, Reino Unido), que fue fundada en 2018.



Vicente Luis Cebolla Burillo

Surname(s): **Cebolla Burillo**
Name: **Vicente Luis**
ORCID: **0000-0002-9786-9217**
Contact aut. region/reg.: **Aragon**
Email: **vcebolla@icb.csic.es**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas

Department: Procesos Químicos y Nanotecnología, Instituto de Carboquímica

Professional category: Investigador Científico CSIC

Start date: 10/03/2010

Type of contract: Civil servant

Dedication regime: Full time

Primary (UNESCO code): 230000 - Chemistry

Performed tasks: BECARIO Min. Industria y Energía Instituto de Carboquímica (CSIC) Ene.1983-Jun.1984 CONTRATO ADMINISTRATIVO, CSIC: Instituto de Carboquímica (CSIC), Julio 1984-Noviembre 1984 BECARIO FPI-MRT en Francia, Institut de Recherches sur la Catalyse, CNRS (Villeurbanne) y Université de Metz, Francia (Laboratoire de Chimie et Synthèse Organique): Enero 1985-Abril 1987 Investigador I + D (contrato indefinido) en HENKEL IBERICA, S.A Octubre 1987-Abril 1988 CONTRATADO PROYECTO UE, Instituto de Carboquímica, Enero 1989-Diciembre 1990 BECARIO POSTDOCTORAL CSIC, Instituto de Carboquímica, Enero 1991-Junio 1992 CIENTIFICO TITULAR CSIC , Instituto de Carboquímica, Junio 1992-Marzo 2010

Previous positions and activities

	Employing entity	Professional category	Start date
1	CSIC	CIENTÍFICO TITULAR	06/06/1992
2	CSIC	Becario Postdoctoral	01/01/1991
3	CSIC	Contratado	01/01/1989
4	Henkel Ibérica, S.A.	Investigador	19/10/1987
5	FPI-Ministerio Francés de Investigación (MRT)	Becario Investigación	01/01/1985
6	CSIC	Contratado	01/06/1984
7	Ministerio Industria y Energía /CSIC	Becario investigación	01/01/1983

1 **Employing entity:** CSIC
Professional category: CIENTÍFICO TITULAR
Start-End date: 06/06/1992 - 09/03/2010

Type of entity: Public Research Body

Duration: 17 years - 8 months - 25 days

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- | | |
|---|---|
| <p>Employing entity: CSIC
Professional category: Becario Postdoctoral
Start-End date: 01/01/1991 - 05/06/1992</p> | <p>Type of entity: Public Research Body
Duration: 1 year - 5 months - 5 days</p> |
| <p>3 Employing entity: CSIC
Professional category: Contratado
Start-End date: 01/01/1989 - 31/12/1990</p> | <p>Type of entity: Public Research Body
Duration: 2 years</p> |
| <p>4 Employing entity: Henkel Ibérica, S.A.
Professional category: Investigador
Start-End date: 19/10/1987 - 30/04/1988</p> | <p>Type of entity: Business
Duration: 6 months - 11 days</p> |
| <p>5 Employing entity: FPI-Ministerio Francés de Investigación (MRT)
Professional category: Becario Investigación
Start-End date: 01/01/1985 - 01/05/1987</p> | <p>Type of entity: Ministerio de Educación Español
Duration: 2 years - 4 months</p> |
| <p>6 Employing entity: CSIC
Professional category: Contratado
Start-End date: 01/06/1984 - 01/09/1984</p> | <p>Duration: 3 months</p> |
| <p>7 Employing entity: Ministerio Industria y Energía /CSIC
Professional category: Becario investigación
Start-End date: 01/01/1983 - 31/12/1983</p> | <p>Type of entity: Public Research Body
Duration: 1 year</p> |



Education

University education

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

University degree: Higher degree

Name of qualification: Licenciado en Ciencias Químicas

Degree awarding entity: Facultad de Ciencias, Universidad de Zaragoza **Type of entity:** University

Date of qualification: 01/06/1982

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Ciencias Químicas

Degree awarding entity: Universidad de Zaragoza **Type of entity:** University

Date of degree: 27/04/1987

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	B2	C1	B2	B2	C1
French	C1	C2	C1	C2	C2

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- Project title:** Mass Spectrometry Application Strategies of Dried Blood Spot analysis
Type of project: Doctoral thesis
Entity: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Zaragoza, Spain
Student: Stefan Christian Gaugler
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 2019
European doctorate: 19/09/2019 **Date of recognition:** 19/09/2019
Quality recognition: Yes **Date of award:** 19/09/2019
- Project title:** Caracterización de biodiésel tipo Esteres Metílicos de Ácidos Grasos mediante una plataforma automatizada basada en Cromatografía en Capa Fina
Type of project: End of course project
Entity: Instituto de Carboquímica / Universidad de Zaragoza



City of entity: Zaragoza, Spain
Student: Jorge Bintanel Cenis
Date of reading: 06/2019

- 3** **Project title:** Determinación de analitos de tipo alcano y fosfolípidos por HPTLC-fluorescencia inducida
Type of project: End of course project
Entity: Instituto de Carboquímica / Universidad de Zaragoza
City of entity: Zaragoza, Spain
Student: Rubén Tejel Puisac
Date of reading: 06/2019
- 4** **Project title:** Aportación de la Cromatografía en Capa Fina de Alta Eficacia acoplada a Espectrometría de Masas y de la Fluorescencia de Flavoenzimas a la Lipidómica y a otros problemas del análisis de lípidos
Type of project: Doctoral thesis
Co-director of thesis: Isabel Sanz Vicente
Entity: Instituto de Carboquímica / Dpto. Química Analítica Universidad de Zaragoza
City of entity: Zaragoza, Aragon, Spain
Student: María Pilar Lapieza Remón
Obtained qualification: Mención sum laude
Date of reading: 30/05/2018
European doctorate: 04/06/2018
Quality recognition: Yes
Type of entity: Public Research Body
Date of recognition: 04/06/2018
Date of award: 04/06/2018
- 5** **Project title:** Estudio y aplicaciones analíticas de los efectos del entorno molecular en la fluorescencia. Agregados moleculares auto-organizados
Type of project: Doctoral thesis
Co-director of thesis: Rosa Garriga Mateo
Entity: Instituto de Carboquímica
City of entity: Zaragoza, Aragon, Spain
Student: Elena Romero Giménez
Obtained qualification: Mención cum laude
Date of reading: 18/09/2015
European doctorate: 18/09/2015
Date of award: 18/09/2015
Type of entity: State agency
- 6** **Project title:** Desarrollo de (nano)biosensores enzimáticos de fluorescencia dirigidos a la monitorización mínimamente invasiva de glucosa
Type of project: Doctoral thesis
Co-director of thesis: Javier Galbán Bernal
Entity: Instituto de Carboquímica / Dpto. Química Analítica Universidad de Zaragoza
City of entity: Zaragoza, Aragon, Spain
Student: Melisa del Barrio Redondo
Obtained qualification: Mención cum laude
Date of reading: 07/10/2014
European doctorate: 07/10/2014
Quality recognition: Yes
Date of award: 07/10/2014
- 7** **Project title:** Determinación de lípidos de interés clínico en muestras biológicas. Posibilidades analíticas de la fluorescencia de flavoenzimas y de las técnicas analíticas combinadas.
Co-director of thesis: Isabel Sanz Vicente



Entity: Instituto de Carboquímica / Dpto. Química Analítica Universidad de Zaragoza
City of entity: Zaragoza, Aragon, Spain
Student: Andrés Domínguez Carrasco
Obtained qualification: Mención cum laude
Date of reading: 19/09/2014
European doctorate: 19/09/2014
Date of award: 19/09/2014

Type of entity: State agency

8 Project title: El efecto del entorno en la emisión de fluorescencia. Modelos teóricos y aplicaciones analíticas

Type of project: Doctoral thesis
Co-director of thesis: Javier Galbán Bernal
Entity: Instituto de Carboquímica /Dpto. Química Analítica Universidad de Zaragoza
City of entity: Zaragoza, Aragon, Spain
Student: María Arántzazu Delgado Camón
Obtained qualification: Mención cum laude
Date of reading: 16/10/2012
European doctorate: 16/10/2012
Date of award: 16/10/2012

Type of entity: State agency

9 Project title: Étude de la potentialité de l'HPTLC sur l'analyse de composés d'origine ex-biomasse

Type of project: Trabajos fin de Master II (francés)
Entity: Instituto de Carboquímica / Université Joseph Fourier-Grenoble (Francia)
City of entity: Grenoble, France
Student: Yamina de Laurentis
Obtained qualification: Apto
Date of reading: 06/2010

10 Project title: Analyse par familles de produits noirs par Chromatographie Couche Mince Haute Performance

Type of project: Trabajo Fin de Máster I (francés)
Entity: Instituto de Carboquímica / Ecole Nationale Supérieure Chimie de Paris (ENSCP)
City of entity: Paris, France
Student: Thomas Delaunay
Obtained qualification: Apto
Date of reading: 09/2009

11 Project title: Étude du comportement de la fluorescence de différents marqueurs du type alkylsulphonate-4-pyridyl-etheno p-diethylaniline lors de l'ajout de composés non fluorescents

Type of project: End of course project
Co-director of thesis: M. Matt
Entity: Instituto de Carboquímica / IUT Mesures Physiques, Université de Metz
City of entity: Metz, France
Student: Amélie Minot
Obtained qualification: Apto
Date of reading: 06/2008

12 Project title: Étude du comportement fluorescent du marqueur 4-pyridyl-etheno p-aniline

Type of project: End of course project
Co-director of thesis: M. Matt
Entity: Instituto de Carboquímica / IUT Mesures Physiques, Université de Metz



City of entity: Metz, France
Student: Martin Réault
Obtained qualification: Apto
Date of reading: 06/2008

- 13** **Project title:** Optimisation des conditions experimentales d'une technique chromatographique sur couche mince pour l'étude du cholestérol avec l'utilisation du cation coralyne comme sonde fluorescente
Type of project: End of course project
Co-director of thesis: M. Matt
Entity: Instituto de Carboquímica / IUT Mesures Physiques, Université de Metz (Francia)
City of entity: Metz, France
Student: Laura Günther
Obtained qualification: Apto
Date of reading: 06/2007
- 14** **Project title:** Étude du comportement de marqueurs fluorescents coralyne, berberine et indocyanine green et de la variation d'intensité lors de l'ajout d'alcools
Type of project: End of course project
Entity: Instituto de Carboquímica / IUT Mesures Physiques, Université de Metz
City of entity: Metz, France
Student: Ludivine Piedfer
Obtained qualification: Apto
Date of reading: 06/2007
- 15** **Project title:** Contribución general de las interacciones no-específicas a los procesos fotofísicos intermoleculares. Aplicación analítica
Type of project: Doctoral thesis
Entity: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Zaragoza, Aragon, Spain
Student: Elena Mateos Serrano
Obtained qualification: sobresaliente cum laude
Date of reading: 11/2006
European doctorate: 11/2006
Date of award: 11/2006
- 16** **Project title:** Développement d'une technique chromatographique sur couche mince basée sur l'utilisation du cation coralyne comme sonde fluorescente
Type of project: End of course project
Co-director of thesis: M. Matt
Entity: Instituto de Carboquímica / IUT Mesures Physiques, Université de Metz (Francia)
City of entity: Metz, France
Student: Remi Rattina
Obtained qualification: Apto
Date of reading: 06/2006
- 17** **Project title:** Spectres d'émission de fluorescence de la berberine, de la coralyne et du squarylium dans le dichlorométhane, solvant apolaire. Effect d'ajout d'alcanes
Type of project: End of course project
Entity: Instituto de Carboquímica / IUT Mesures Physiques, Université de Metz (Francia)
City of entity: Metz, France
Student: Amandine Araujo



Obtained qualification: Apto
Date of reading: 06/2006

- 18** **Project title:** Étude des propriétés fluorescentes d'un système nanotubes-tensioactif-sonde fluorescente
Type of project: End of course project
Co-director of thesis: M. Matt
Entity: Instituto de Carboquímica / IUT Mesures Physiques, Université de Metz
City of entity: Metz, France
Student: Nicolas Ledain
Obtained qualification: Apto
Date of reading: 06/2006
- 19** **Project title:** Développement d'une technique pour l'analyse compositionnelle de gazoil
Type of project: End of course project
Co-director of thesis: M. Matt
Entity: Instituto de Carboquímica / IUT Mesures Physiques, Université de Metz (Francia)
City of entity: Metz, France
Student: Armelle Cecchini
Obtained qualification: Apto
Date of reading: 06/2005
- 20** **Project title:** Étude d'une nouvelle sonde fluorescente pour la détermination des hydrocarbures saturés
Type of project: End of course project
Entity: Instituto de Carboquímica / IUT Mesures Physiques Université de Metz
City of entity: Metz, France
Student: Céline Munier
Obtained qualification: Apto
Date of reading: 06/2005
- 21** **Project title:** Nuevas sondas moleculares fluorescentes basadas en variaciones de la intensidad de emisión debidas a interacciones dipolares inducidas
Type of project: Doctoral thesis
Entity: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Zaragoza, Aragon, Spain
Student: Eva María Gálvez Buerba
Obtained qualification: Sobresaliente cum laude
Date of reading: 21/04/2004
European doctorate: 21/04/2004
Date of award: 21/04/2004
- 22** **Project title:** Nuevas técnicas de detección y cuantificación para el análisis cromatográfico de hidrocarburos saturados y otras moléculas de baja polaridad en diferentes matrices. Fenómeno de fluorescencia inducida por interacciones dipolares
Type of project: Doctoral thesis
Entity: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Zaragoza, Aragon, Spain
Student: María Pilar Domingo Regidor
Obtained qualification: Sobresaliente cum laude
Date of reading: 30/11/2001
European doctorate: 30/11/2001
Date of award: 30/11/2001



- 23** **Project title:** Prácticas fin grado ciclo superior, automatismo y control laboratorios
Type of project: Fin de grado ciclo superior
Entity: Instituto de Carboquímica / I.E. Corona de Aragón
City of entity: Zaragoza, Spain
Student: Ainara Ramos Aliaga
Date of reading: 06/2001
- 24** **Project title:** Prácticas fin grado ciclo superior, automatismo y control laboratorios
Type of project: Fin de grado ciclo superior
Entity: Instituto de Carboquímica / I.E. Corona de Aragón
City of entity: Zaragoza, Spain
Student: María Teresa Blasco Simón
Date of reading: 12/2000
- 25** **Project title:** Prácticas fin grado ciclo superior, automatismo y control laboratorios
Type of project: Fin grado ciclo superior
Entity: Instituto de Carboquímica / I.E. Corona de Aragón
City of entity: Zaragoza, Spain
Student: Vanesa Soria Hernández
Date of reading: 12/2000
- 26** **Project title:** HPTLC: applications à l'environnement
Type of project: End of course project
Entity: Instituto de Carboquímica / Université de Metz (Francia)
City of entity: Metz, France
Student: Corinne Buffoni
Obtained qualification: Apto
Date of reading: 06/2000
- 27** **Project title:** Prácticas fin grado ciclo superior, automatismo y control laboratorios
Type of project: Fin de Grado Ciclo Superior
Entity: Instituto de Carboquímica / I. E. Corona de Aragón
City of entity: Zaragoza, Spain
Student: Celia Barcelón Gómez
Date of reading: 06/2000

Teaching experience in courses and seminars for university teacher training

- 1** **Type of event:** Workshop en HPTLC ASIA 2018
Name of the event: Workshop on Lipid Characterization and Quantification by HPTLC
City organizing entity: Bangkok, Thailand
Organising entity: HPTLC ASIA 2018
Aims of the course: Avances en caracterización de lípidos por HPTLC
Target group profile: Profesionales y postgraduados
Hours of teaching: 3 **Teaching language:** English
Teaching date: 26/11/2018
Type of participation: Participatory - Plenary session
Corresponding author: Yes



- 2** **Type of event:** Seminar
Name of the event: One-day Seminar: Lipid Analysis by HPTLC
City organizing entity: Zaragoza, Spain
Organising entity: CAMAG-IZASA-ICB-CSIC
Aims of the course: Visión general instrumentación HPTLC y análisis lípidos
Target group profile: Postgraduados
Hours of teaching: 5 **Teaching language:** Spanish
Teaching date: 31/05/2018
Type of participation: Participatory - Plenary session
Corresponding author: Yes
- 3** **Type of event:** Workshop en Congreso
Name of the event: Lipid Analysis by HPTLC Workshop (HPTLC-2017)
City organizing entity: Berlin, Germany
Organising entity: HPTLC 2017 Meeting **Type of entity:** Associations and Groups
Aims of the course: Análisis de Lípidos por HPTLC
Target group profile: Postgraduados
Hours of teaching: 4 **Teaching language:** English
Teaching date: 03/07/2017
Type of participation: Organizational - Scientific and organizing committee
Corresponding author: Yes
- 4** **Type of event:** Seminar
Name of the event: Seminario ACS-CAMAG (250th ACS Meeting)
City organizing entity: Boston, United States of America
Organising entity: American Chemical Society **Type of entity:** Associations and Groups
Aims of the course: Técnicas acopladas con HPTLC para identificación de compuestos
Target group profile: Profesionales
Hours of teaching: 3 **Teaching language:** English
Teaching date: 20/08/2015
Type of participation: Participatory - Plenary session
Corresponding author: Yes
- 5** **Type of event:** Curso continuado
Name of the event: HPTLC-fluorescence induite
City organizing entity: Lyon, France
Organising entity: TOTAL Raffinage et Marketing
Aims of the course: Formación personal técnico TOTAL
Target group profile: Técnicos
Hours of teaching: 20 **Teaching language:** French
Teaching date: 2010
Type of participation: Curso continuo



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:** Stability evaluation of mixtures of distillate hydrocarbons and high molecular weight residuals
Entity where project took place: Instituto de Carboquímica
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): Carlos Alberto Prieto Velasco; Cebolla Burillo Vicente Luis; Luis Membrado
Nº of researchers: 3
Funding entity or bodies:
Compañía Española de Petróleos, S.A. **Type of entity:** Business
Start-End date: 01/07/2020 - 30/06/2021
Total amount: 89.953 €
- 2** **Name of the project:** Nanosensores y sistemas bioanalíticos (N&SB). Grupo DGA E25_17R
Entity where project took place: Universidad de Zaragoza / CSIC
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): Javier Galbán Bernal
Nº of researchers: 9
Funding entity or bodies:
Departamento de Medio Ambiente de la Diputación General de Aragón **Type of entity:** Entidad Autónoma
City funding entity: Zaragoza, La Rioja, Spain
Start-End date: 2017 - 2019
- 3** **Name of the project:** Desarrollo de un sistema de diagnóstico y monitorización del tratamiento de las enfermedades de depósito lisosomal (EDL) basado en separación por desarrollo múltiple automático. Plan Nacional I+D+i CTQ2012-35535
Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo
Nº of researchers: 7
Funding entity or bodies:
Plan Nacional de I+D+i **Type of entity:** State agency
City funding entity: Madrid, Spain
Start-End date: 2013 - 2015
- 4** **Name of the project:** Nuevas aplicaciones del efecto del entorno molecular en la fluorescencia. Proyecto Intramural del CSIC
Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency



City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

N° of researchers: 5

Funding entity or bodies:

CSIC

Type of entity: State agency

City funding entity: Madrid, Spain

Start-End date: 2013 - 2015

5 Name of the project: Fibras de nanotubos y nanofibras de grafeno: procesado, funcionalización y aplicaciones como supercondensadores y músculos artificiales

Entity where project took place: Instituto de Carboquímica

Type of entity: State agency

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Edgar Manuel Muñoz de Miguel

N° of researchers: 5

Funding entity or bodies:

FUNDACION DOMINGO MARTINEZ

City funding entity: Spain

Start-End date: 2013 - 2014

6 Name of the project: Grupo de Tecnología Química de la Separación y Detección. Grupo consolidado de investigación aplicada DGA (Ref. T08)

Entity where project took place: Instituto de Carboquímica

Type of entity: State agency

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

N° of researchers: 9

Funding entity or bodies:

Diputación General de Aragón

Type of entity: Entidad Autonómica

City funding entity: Zaragoza, Aragon, Spain

Start-End date: 2010 - 2013

7 Name of the project: Estudio del alcaloide berberina como marcador de procesos de transformación celular: una alternativa segura para la determinación precoz y el tratamiento del cáncer” ARAID-IberCaja “Proyecto Jóvenes Investigadores 2010

Entity where project took place: Instituto de Carboquímica

Type of entity: State agency

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Eva María Gálvez Buerba

N° of researchers: 6

Funding entity or bodies:

Iberbaja-ARAID

Type of entity: Business

City funding entity: Zaragoza, Spain

Start-End date: 2010 - 2012

8 Name of the project: Research & Development of Novel Film-Based Fluorescence Sensors for Analyte Detection and Biomedical Applications”. Programa Formosa (Colaboración CSIC-NSC Taiwán, ref. 2009TW0034)

Entity where project took place: NSC Taiwan /Instituto de Carboquímica CSIC

City of entity: Zaragoza, Spain



Name principal investigator (PI, Co-PI....): Arthur Chiou; Eva María Gálvez Buerba

Nº of researchers: 6

Funding entity or bodies:

CSIC

Type of entity: State agency

City funding entity: Madrid, Spain

NSC

City funding entity: Tapiei, Taiwan

Start-End date: 2010 - 2012

9 Name of the project: Diseño y construcción de biosensores de fluorescencia basados en proteínas de transporte para la determinación de Mensajeros Químicos . Gobierno de Aragón. Proyectos Multidisciplinares (PM044/2007)

Entity where project took place: Universidad de Zaragoza /Instituto de Carboquímica

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Javier Galbán Bernal; Vicente Luis Cebolla Burillo

Nº of researchers: 7

Funding entity or bodies:

Diputación General de Aragón

Type of entity: Entidad Autonómica

City funding entity: Zaragoza, Aragon, Spain

Start-End date: 2007 - 2009

10 Name of the project: Nueva tecnología para la determinación de colesterol en muy bajos niveles de concentración para la industria alimentaria (re 230137 UNIZAR)

Entity where project took place: Instituto de Carboquímica /EUITII Universidad de Zaragoza

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Jesús Vela Rodrigo

Nº of researchers: 3

Funding entity or bodies:

Universidad de Zaragoza

Type of entity: University

City funding entity: Zaragoza, Aragon, Spain

Start-End date: 2007 - 2008

11 Name of the project: Desarrollo de un nuevo sistema de detección para la caracterización de toda clase de polímeros y biopolímeros basado en fluorescencia generada por interacciones no-covalentes. Plan Nacional de I+D+i (CTQ2005-00227 / PPQ)

Entity where project took place: Instituto de Carboquímica

Type of entity: State agency

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

Nº of researchers: 6

Funding entity or bodies:

Plan Nacional de I+D+i

Type of entity: State agency

City funding entity: Madrid, Spain

Start-End date: 2005 - 2008

12 Name of the project: Grupo de Tecnología Química de la Separación y Detección. Grupo reconocido DGA (Ref. T08)

Entity where project took place: Instituto de Carboquímica

Type of entity: State agency



Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

Nº of researchers: 6

Funding entity or bodies:

Diputación General de Aragón

Type of entity: Entidad Autónoma

City funding entity: Zaragoza, Aragon, Spain

Start-End date: 2005 - 2007

- 13 Name of the project:** Detección genérica de sustancias de interés bioquímico en fluidos biológicos mediante nuevos sensores fluorescentes sonda-proteína basados en interacciones no covalentes. Validación del modelo teórico del mecanismo genérico de dicha fluorescencia. DGA (Gobierno de Aragón), ref. PM010

Entity where project took place: Instituto de Carboquímica y Dpto. Química Analítica Universidad de Zaragoza

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Javier Galbán Bernal; Vicente Luis Cebolla Burillo

Nº of researchers: 7

Funding entity or bodies:

Diputación General de Aragón

Type of entity: Entidad Autónoma

City funding entity: Zaragoza, Aragon, Spain

Start-End date: 2004 - 2006

- 14 Name of the project:** Development of Plastic and Natural Organic Polymers Co-processing by means of Waster Utilization. NATO Science Programme, Project EST CLG 980562

Entity where project took place: IUT Chimie, Université de Metz

City of entity: Saint-Avold, France

Name principal investigator (PI, Co-PI....): Jean-Victor Weber

Nº of researchers: 20

Funding entity or bodies:

OTAN (EST CLG 980562)

Start-End date: 2004 - 2005

- 15 Name of the project:** Análisis Cuantitativo de hidrocarburos aromáticos en gasoil (CNRS-CSIC 2002FR0006)

Entity where project took place: Instituto de Carboquímica / Institut de Recherches sur la Catalyse

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo; Robert Bacaud

Nº of researchers: 3

Funding entity or bodies:

CSIC

Type of entity: State agency

City funding entity: Madrid, Spain

CNRS

Type of entity: Public Research Body

City funding entity: Paris, France

Start-End date: 2002 - 2004

- 16 Name of the project:** Grupo consolidado de investigación aplicada del Gobierno de Aragón

Entity where project took place: Instituto de Carboquímica

Type of entity: State agency

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo



Nº of researchers: 6

Funding entity or bodies:

Diputación General de Aragón

Type of entity: Entidad Autonómica

City funding entity: Zaragoza, Aragon, Spain

Start-End date: 2002 - 2004

17 Name of the project: Desarrollo de nuevas tecnologías para controlar la distribución de pesos moleculares en un sistema de producción industrial de poliésteres y poliamidas" Ministerio de Ciencia y Tecnología ref. PPQ2000 0173 P4 02)

Entity where project took place: Instituto de Carboquímica

Type of entity: State agency

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

Nº of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia y Tecnología

Type of entity: Ministerio

City funding entity: Madrid, Spain

Start-End date: 2001 - 2004

18 Name of the project: Técnicas avanzadas de separación y detección para el control del refino del gasóleo y otros problemas de la industria petroquímica" PN I+D (PPQ2001- 2388)

Entity where project took place: Instituto de Carboquímica

Type of entity: State agency

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

Nº of researchers: 5

Funding entity or bodies:

Plan Nacional de I+D+i

Type of entity: Agencia Investigación

City funding entity: Madrid, Spain

Start-End date: 2001 - 2004

19 Name of the project: Wood biomass and wastes upgrading: development and application of clean processes for fine chemicals, oils and carbon sorbents production" INCO-COPERNICUS (UE DGXII, ERBIC15 CT98 0804)

Entity where project took place: Universidad de Metz

Type of entity: University

City of entity: Metz, France

Name principal investigator (PI, Co-PI....): René Gruber; Boris Nicolaievich Kutnezsov

Nº of researchers: 50

Funding entity or bodies:

UE DGXII (ERBIC15CT98 0804)

Start-End date: 1998 - 2002

20 Name of the project: Análisis cuantitativo de hidrocarburos aromáticos en gasoil

Entity where project took place: Instituto de Carboquímica /Institut de Recherches sur la Catalyse

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo; Robert Bacaud

Nº of researchers: 3

Funding entity or bodies:

CNRS

Type of entity: Public Research Body



City funding entity: Paris, France

Start-End date: 2000 - 2001

21 Name of the project: Desarrollo de nuevas técnicas cromatográficas para la industria petrolera CICYT, PN I+D (QUI98-0852)

Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

Nº of researchers: 4

Funding entity or bodies:

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

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 1998 - 2001

22 Name of the project: Low cost catalytic sorbents for NOx reduction based on coal chars doped with transition metals CECA, DG XVII (7220-EC/042)

Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Rafael Moliner Alvarez

Nº of researchers: 5

Funding entity or bodies:

CECA, DG XVII (7220-EC/042) **Type of entity:** Unión Europea

City funding entity: Bruselas, Belgium

Start-End date: 1997 - 2000

23 Name of the project: Desarrollo de catalizadores de alta especificidad para la hidrogenación selectiva de dobles enlaces C=C y C=O

Entity where project took place: CSIC Instituto de Carboquímica/ Instituto de Catálisis y Petroleoquímica

City of entity: Zaragoza / Madrid, Spain

Name principal investigator (PI, Co-PI....): José Manuel Andrés Gimeno

Nº of researchers: 5

Funding entity or bodies:

DGICYT **Type of entity:** Dirección General Investigación Científica y Técnica

City funding entity: Madrid, Spain

Start-End date: 1995 - 1998

24 Name of the project: Nuevas técnicas cromatográficas para la determinación rápida de compuestos policíclicos aromáticos. Aplicación a productos de carbón y petróleo

Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency

City of entity: Zaragoza, Spain

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

Nº of researchers: 3

Funding entity or bodies:

DGICYT (PB93-0100)

Start-End date: 1994 - 1997



- 25** **Name of the project:** Licuefacción de carbones en atmósferas con bajo contenido en hidrógeno” CECA, DG XVII (7220-EC/765)
Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Luis Membrado Giner
Nº of researchers: 3
Funding entity or bodies: CECA, DGXVII (7220-EC/756) **Type of entity:** Unión Europea
City funding entity: Bruselas, Belgium
Start-End date: 1993 - 1996
- 26** **Name of the project:** Influencia de catalizadores dispersos sobre las características analíticas de los productos de hidroconversión de un aceite pesado desasfaltado de petróleo
Entity where project took place: Instituto de Carboquímica
City of entity: Zaragoza, Aragon, Spain
Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo; Robert Bacaud
Nº of researchers: 3
Funding entity or bodies: CNRS **Type of entity:** Public Research Body
City funding entity: Paris, France
CSIC **Type of entity:** Public Research Body
City funding entity: Madrid, Spain
Start-End date: 1993 - 1995
- 27** **Name of the project:** Nuevas técnicas de aporte energético aplicadas al desarrollo de procesos alternativos de gasificación y licuefacción de carbón” CECA, DG XVII (7220-EC-759)
Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): José Manuel Andrés Gimeno
Nº of researchers: 3
Funding entity or bodies: CECA, DG XVII (7220-EC-759) **Type of entity:** Unión Europea
City funding entity: Bruselas, Belgium
Start-End date: 1992 - 1994
- 28** **Name of the project:** Nuevas técnicas de aporte energético aplicadas al desarrollo de procesos alternativos de gasificación y licuefacción de carbón CICYT (AMB-1221/92-CE)
Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): José Manuel Andrés Gimeno
Nº of researchers: 3
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Agencia EStatal
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 1992 - 1993



- 29** **Name of the project:** Obtención de combustibles sintéticos mediante licuefacción de carbón en dos etapas (CICYT,CE89-0007)
Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): María Teresa Martínez Fernández de Landa
Nº of researchers: 4
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Agencia Estatal
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 1989 - 1992
- 30** **Name of the project:** Transportation Fuels From Two-Stage Coal Liquefaction (EN3V-0055-E)
Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): María Teresa Martínez Fernández de Landa
Nº of researchers: 4
Funding entity or bodies: Comunidad Europea (CEE, DG XVII)
City funding entity: Bruselas, Belgium
Start-End date: 1989 - 1990
- 31** **Name of the project:** Hydroliquefaction Catalytique du Charbon GRECO CHARBON CNRS
Entity where project took place: CNRS
City of entity: Villeurbanne, France
Name principal investigator (PI, Co-PI....): Henri Charcosset
Nº of researchers: 50
Funding entity or bodies: CNRS **Type of entity:** Public Research Body
City funding entity: Paris, France
Start-End date: 1985 - 1987
- 32** **Name of the project:** Naturaleza de los aceites de un lignito de Utrillas obtenidos por despolimerización química
Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Zaragoza, Aragon, Spain
Nº of researchers: 4
Funding entity or bodies: CAICYT **Type of entity:** State agency
City funding entity: Madrid, Spain
Start-End date: 1983 - 1984
- 33** **Name of the project:** Estrategias para el desarrollo de nuevos sensores laminares de fluorescencia con transducción por fibra óptica para la detección general y específica de analitos. Plan Nacional de I+D+I (CTQ2008-00959)
Entity where project took place: Instituto de Carboquímica **Type of entity:** State agency
City of entity: Zaragoza, Spain



Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

Nº of researchers: 9

Funding entity or bodies:

Plan Nacional de I+D+i

Type of entity: State agency

City funding entity: Madrid, Spain

Start date: 2009

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

- 1 Name of the project:** Materiales híbridos a base de nanohilos conductores para aplicaciones en nanoelectrónica

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Edgar Manuel Muñoz de Miguel; Vicente Luis Cebolla Burillo

Nº of researchers: 4

Funding entity or bodies: ARCHENT NANOTECHNOLOGIES, S.L.

City funding entity: Madrid, Spain

Type of entity: Business

Start date: 2018

Duration: 1 year

Total amount: 6.607 €
- 2 Name of the project:** Addendum to Academic consulting in HPTLC of petroleum and lipid-related products

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo; Markus Wyss

Nº of researchers: 5

Funding entity or bodies: CAMAG

City funding entity: Muttenz, Switzerland

Type of entity: Business

Start date: 2017

Duration: 2 years

Total amount: 16.118 €
- 3 Name of the project:** Quantification of phospholipids using High-Performance Thin-Layer Chromatography and induced fluorescence detection by intensity changes

Degree of contribution: Scientific coordinator

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo

Nº of researchers: 3

Participating entity/entities: Instituto de Carboquímica

Funding entity or bodies: CHROMACIM

City funding entity: Pommiers-la-Placette, France

Type of entity: Business

Start date: 2017

Duration: 1 year

Total amount: 10.752 €
- 4 Name of the project:** Academic consulting in HPTLC of petroleum and lipid-related products

Degree of contribution: Scientific coordinator

Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo; Markus Wyss

Nº of researchers: 5

Funding entity or bodies: CAMAG

City funding entity: Muttenz, Switzerland

Type of entity: Business

**Start date:** 2015**Duration:** 2 years**Total amount:** 16.118 €

- 5 Name of the project:** Addendum U11-006 to Application of AMD (HPTLC) with Fluorescence Detection by Intensity Changes (FDIC), a technique of fluorescence induction, and UV for the analysis of petroleum products and biofuels

Degree of contribution: Scientific coordinator**Name principal investigator (PI, Co-PI....):** Vicente Luis Cebolla Burillo; Maha Bahi**N° of researchers:** 5**Funding entity or bodies:**

TOTAL RAFFINAGE & MARKETING

Type of entity: Business**City funding entity:** Paris, France**Start date:** 2011**Duration:** 1 year**Total amount:** 80.000 €

- 6 Name of the project:** Addendum UO8-018 Application of AMD (HPTLC) with Fluorescence Detection by Intensity Changes (FDIC), a technique of fluorescence induction, and UV for the analysis of petroleum products and biofuels

Degree of contribution: Scientific coordinator**Name principal investigator (PI, Co-PI....):** Vicente Luis Cebolla Burillo; Pierre Giusti**N° of researchers:** 5**Funding entity or bodies:**

TOTAL RAFFINAGE ET MARKETING

Type of entity: Business**City funding entity:** Paris, France**Start date:** 2010**Duration:** 1 year**Total amount:** 80.000 €

- 7 Name of the project:** Application of High Performance Thin Layer Chromatography (HPTLC) with Fluorescence Detection by Intensity Changes (FDIC), a technique of fluorescence induction, for the analysis of petroleum products (PC08-022)

Degree of contribution: Scientific coordinator**Name principal investigator (PI, Co-PI....):** Vicente Luis Cebolla Burillo; Katell LeMapihan**N° of researchers:** 5**Funding entity or bodies:**

TOTAL FRANCE

Type of entity: Business**City funding entity:** Paris, France**Start date:** 2008**Duration:** 1 year - 6 months**Total amount:** 147.240 €

- 8 Name of the project:** Relación entre variables de producción de poliamidas y sus características estructurales

Degree of contribution: Scientific coordinator**Name principal investigator (PI, Co-PI....):** Vicente Luis Cebolla Burillo**N° of researchers:** 5**Funding entity or bodies:**

NUREL, S.A.

City funding entity: Spain**Start date:** 2003**Duration:** 1 year - 3 months**Total amount:** 13.286 €



- 9** **Name of the project:** Determinación y cuantificación de los componentes traza en gas natural
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo; Angel Benito
Nº of researchers: 5
Funding entity or bodies:
Empresa Nacional del Gas, S.A. **Type of entity:** Business
City funding entity: Zaragoza, Aragon, Spain
Start date: 2002 **Duration:** 3 years
Total amount: 64.075 €
- 10** **Name of the project:** Investigación sobre moléculas potencialmente inhibidoras de la corrosión del zinc en la fabricación de pilas sin mercurio y estudio de los mecanismos de dicha corr
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo
Nº of researchers: 3
Funding entity or bodies:
Celaya, Empananza y Galdos Internacional, S.A. **Type of entity:** Business
Departamento para la Investigación y el Desarrollo
City funding entity: Vitoria-Gazteiz, Basque Country, Spain
Start date: 2001 **Duration:** 6 months
Total amount: 2.000 €
- 11** **Name of the project:** Desarrollo de metodologías analíticas para la determinación de impurezas y trazas de azufre en productos finales
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo
Nº of researchers: 2
Funding entity or bodies:
INTERQUISA **Type of entity:** Business
City funding entity: Cadiz, Andalusia, Spain
Start date: 2000 **Duration:** 1 year
Total amount: 3.500 €
- 12** **Name of the project:** Análisis de la fracción pesada del gas natural
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Angel Benito; Vicente Luis Cebolla Burillo
Nº of researchers: 5
Participating entity/entities: Instituto de Carboquímica
Funding entity or bodies:
Empresa Nacional del Gas, S.A. **Type of entity:** Business
City funding entity: Zaragoza, Aragon, Spain
Start date: 1999 **Duration:** 1 year
Total amount: 6.000 €
- 13** **Name of the project:** Desarrollo de una metodología basada en el uso de cromatografía en capa fina con detección ultravioleta de barrido para determinación de impurezas en ácido tereftálico
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Vicente Luis Cebolla Burillo
Nº of researchers: 2

**Funding entity or bodies:**

BRILEN

Type of entity: Business**City funding entity:** Barbastro, Aragon, Spain**Start date:** 1997**Duration:** 3 months**Total amount:** 3.000 €**14 Name of the project:** Investigación y Desarrollo, Departamento de Cosmética HENKEL IBERICA**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Miracle Pujol**N° of researchers:** 3**Participating entity/entities:** Henkel Ibérica, S.A.**Funding entity or bodies:**

Henkel Ibérica, S.A.

Type of entity: Business**City funding entity:** Barcelona, Catalonia, Spain**Start date:** 1987**Duration:** 1 year**15 Name of the project:** GECH (Group d'Etudes de Conversion par Hydrogénation)**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Henri Charcosset**N° of researchers:** 50**Funding entity or bodies:**

CNRS

Type of entity: Public Research Body**City funding entity:** Paris, France

Charbonnages de France

Type of entity: Business**City funding entity:** Paris, France

Gaz de France

Type of entity: Business**City funding entity:** Paris, France

Institut Français du Pétrole

Type of entity: Business**City funding entity:** Rueil-Malmaison, France**Start date:** 1985**Duration:** 3 years

Results

Industrial and intellectual property

1 Title registered industrial property: USO DE TECTOMEROS DE OLIGOGLICINAS COMO TRANSPORTADORES MULTIFUNCIONALES**Inventors/authors/obtainers:** Vicente Luis Cebolla Burillo; Edgar Manuel Muñoz de Miguel; Rosa Garriga Mateo; Alan Brian Dalton; Izabela Jurewicz**Entity holder of rights:** CSIC/Universidad de Zaragoza/Univversidad de Surrey**N° of application:** P201530765**Country of inscription:** Spain**Date of register:** 01/06/2015**Conferral date:** 04/10/2017**Operating aut.region/region:** Spain



- 2 Title registered industrial property:** USO DE TECTOMEROS DE OLIGOGLICINAS COMO TRANSPORTADORES MULTIFUNCIONALES
Inventors/authors/obtainers: Vicente Luis Cebolla Burillo; Edgar Manuel Muñoz de Miguel; Rosa Garriga Mateo; Alan Brian Dalton; Izabela Jurewicz
Entity holder of rights: CSIC/Universidad de Zaragoza/Universidad de Surrey
N° of application: PCT/ES2016/070410
Country of inscription: Spain
Date of register: 31/05/2016
- 3 Title registered industrial property:** DETECTOR UNIVERSAL Y CUANTITATIVO DE MOLECULAS ORGANICAS POR FLUORESCENCIA
Inventors/authors/obtainers: Vicente Luis Cebolla Burillo; Luis Membrado Giner; María Pilar Domingo Regidor; Eva María Gálvez Buerba; Fernando Pedro Cossío Mora; Ana Arrieta; Muriel Matt; René Gruber
Entity holder of rights: CSIC /Universidad del Pais Vasco/Universidad de Metz
N° of application: P200201377
Country of inscription: Spain
Date of register: 14/06/2002
Conferral date: 16/10/2005
Operating aut.region/region: Spain
- 4 Title registered industrial property:** DETECTOR UNIVERSAL Y CUANTITATIVO DE MOLECULAS ORGANICAS POR FLUORESCENCIA
Inventors/authors/obtainers: Vicente Luis Cebolla Burillo; Luis Membrado Giner; Maria Pilar Domingo Regidor; Eva María Gálvez Buerba; Fernando Pedro Cossío Mora; Ana Arrieta; Muriel Matt; René Gruber
Entity holder of rights: CSIC/Universidad del Pais Vasco/Universidad de Metz
N° of application: PCT/ES2003/00296
Country of inscription: Spain
Date of register: 13/06/2003
- 5 Title registered industrial property:** Procedimiento para la conversión de lignitos en aceites y productos solubles
Inventors/authors/obtainers: Ana María Mastral Lamarca; Luis Membrado Giner; Begoña Rubio Villa; Vicente Luis Cebolla Burillo; José María Gavilán
Entity holder of rights: CSIC
N° of application: 529194
Country of inscription: Spain
Date of register: 26/01/1983
Operating aut.region/region: Spain

Technological results derived from specialized and transfer activities, not included in previous sections

Description: Creación de la SPIN-OFF ARCHENT NANOTECHNOLOGIES S.L.

Name of the principal Investigator (PI): Edgar Manuel Muñoz de Miguel

Name of the Co-principal investigator (Co-PI): Vicente Luis Cebolla Burillo

Degree of contribution: Researcher

Spin-off R&D companies: Yes

Geographical area: European Union

Collaborating entity or bodies:

CSIC

Type of entity: State agency

City collaborating entity: Madrid, Spain



Start date: 27/08/2018

Relevant results: Participacion de varios socios que aportan capital a la spin-off

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Jarne Carmen; Membrado Luis; Savirón María; Orduna Jesús; Garriga Rosa; Galbán Javier; Cebolla Vicente Luis. Globotriaosylceramide-related biomarkers of fabry disease identified in plasma by high-performance thin-layer chromatography-densitometry-mass spectrometry. *Journal of Chromatography A*. 1638, pp. 461895. (Spain): Elsevier, 08/02/2021.

Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 2** Cebolla Vicente L.; Jarne Carmen; Vela Jesús; Garriga Rosa; Membrado Luis; Galbán Javier. Scanning densitometry and mass spectrometry for HPTLC analysis of lipids: The last 10 years. *Journal of Liquid Chromatography & Related Technologies*. pp. DOI: 10.1080/10826076.2020.1866600. (Spain): Taylor & Francis, 11/01/2021.

Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 3** Rosa Garriga; Tania Herrero-Continente; Miguel Palos; Vicente L. Cebolla; Jesús Osada; Edgar Muñoz; María Jesús Rodríguez-Yoldi. Toxicity of Carbon Nanomaterials and Their Potential Application as Drug Delivery Systems: In Vitro Studies in Caco-2 and MCF-7 Cell Lines. *Nanomaterials*. 10, pp. 1617 - 1638. MDPI, 18/08/2020.

Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 4** Stefan Gaugler; Jana Rykl; Mathias Grill; Vicente Luis Cebolla Burillo. Automated Drug Screening of Dried Blood Spots Using Online LC-MS/MS Analysis. *The Column*. 15 - 4, pp. 26 - 30. MultiMedia Healthcare LLC, 09/04/2019.

Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 5** Rosa Garriga Mateo; Izabella Jurewicz; S. Seyedin; M. Tripathi; J.R. Pearson; Vicente Luis Cebolla Burillo; Alan Dalton; Joselito Razal; Edgar Muñoz de Miguel. Two-dimensional oligoglycine tectomer adhesives for graphene oxide fiber functionalization. *CARBON*. 147 - 6, pp. 460 - 475. Elsevier, 20/03/2019.

Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 6** María Pilar Lapieza Remón; Colette Jungas; María Savirón; Carmen Jarne Lardiés; Luis Membrado Giner; Jesús Vela Rodrigo; Jesús Orduna Catalán; Rosa Garriga Mateo; Javier Galbán Bernal; Vicente Luis Cebolla Burillo. HPTLC coupled to ESI-Tandem MS for identifying phospholipids associated to membrane proteins in photosynthetic purple bacteria. *JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES*. 42 - 1-2, pp. 1 - 8. Taylor & Francis, 01/2019. Available on-line at: <<https://doi.org/10.1080/10826076.2018.1561465>>.

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



- 7** Stefan Christian Gaugler; Jana Rykl; Vicente Luis Cebolla Burillo. Validation of an Automated Extraction Procedure for Amino Acids and Acylcarnitines for Use with Tandem Mass Spectrometry for Newborn Screening. *Endocrinology, Diabetes and Metabolism Journal*. 3 - 1, pp. 1 - 9. Research Open, 01/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 8** Stefan Gaugler; Maha K. Al-Mazroua; Sahar Y. Issa; Jana Rykl; Matthias Grill; Asem Qanair; Vicente Luis Cebolla Burillo. Fully Automated Forensic Routine Dried Blood Spot Screening for Workplace Testi. *JOURNAL OF ANALYTICAL TOXICOLOGY*. 1, pp. 1 - 9. Oxford, 2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 9** Stefan Gaugler; Jana Rykl; Matthias Grill; Vicente Luis Cebolla Burillo. Fully automated drug screening of dried blood spots using online LC-MS/MS analysis. *JOURNAL OF APPLIED BIOANALYSIS*. 4 - 1, pp. 7 - 15. Betasciencepress, 2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 10** Andrés Domínguez Carrasco; Carmen Jarne Lardiés; Vicente Luis Cebolla Burillo; Javier Galbán Bernal; María Savirón; Jesús Orduna Catalán; Luis Membrado Giner; María Pilar Lapieza Remón; Elena Romero Giménez; Isabel Sanz Vicente; Susana de Marcos Ruiz; Rosa Garriga Mateo. A hyphenated technique based on high-performance thin layer chromatography for determining neutral sphingolipids. *Chromatography*. 2, pp. 167 - 187. MDPI, 2015.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 11** V.L. Cebolla; L. Membrado; J. Vela; A.C. Ferrando. Understanding Evaporative Light Scattering Detection for High Performance Liquid Chromatography. *Seminars in Food Analysis*. 2, pp. 171 - 189. 1997.
Type of production: Scientific paper
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- 82** Bacaud, R; Cebolla, VL; Membrado, L; Matt, M; Pessayre, S; Galvez, EM. Evolution of sulfur compounds and hydrocarbons classes in diesel fuels during hydrodesulfurization. Combined use of thin-layer chromatography and GC-sulfur-selective chemiluminescence detection. INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. 41, 2002. ISSN 0888-5885
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**Source of citations:** WOS**Citations:** 23

- 83** Membrado, L; Cebolla, VL; Matt, M; Galvez, EM; Domingo, MP; Vela, J; Beregovtsova, N. Hydrocarbon group-type analysis by thin layer chromatography and scanning densitometry. JPC-JOURNAL OF PLANAR CHROMATOGRAPHY-MODERN TLC. 15, 2002. ISSN 0933-4173
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DOI: 10.1016/S0378-3820(02)00011-5
Source of citations: WOS **Citations:** 11
- 85** Matt, M; Galvez, E; Cebolla, VL; Membrado, L; Vela, J; Bacaud, R; Pessayre, S. Quantitative determination of alkanes, naphthenes, total aromatics and heavy PACs in gas oil by normal phase HPTLC with UV and fluorescence scanning densitometry. ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY. 224, 2002. ISSN 0065-7727
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DOI: 10.1021/ac010415i
PMID: 11432704
Source of citations: WOS **Citations:** 22
- 87** Cagniant, D; Nosyrev, I; Cebolla, V; Vela, J; Membrado, L; Gruber, R. Structural modifications of petroleum asphaltenes by reductive alkylation investigated by TLC-FID. FUEL. 80, 2001. ISSN 0016-2361
DOI: 10.1016/S0016-2361(00)00041-7
Source of citations: WOS **Citations:** 8
- 88** Cossio, FP; Arrieta, A; Cebolla, VL; Membrado, L; Vela, J; Garriga, R; Domingo, MP. Berberine cation: A fluorescent chemosensor for alkanes and other low-polarity compounds. An explanation of this phenomenon. ORGANIC LETTERS. 2, 2000. ISSN 1523-7060
DOI: 10.1021/ol006075p
Source of citations: WOS **Citations:** 25
- 89** Barman, BN; Cebolla, VL; Membrado, L. Chromatographic techniques for petroleum and related products. CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY. 30, 2000. ISSN 1040-8347
DOI: 10.1080/10408340091164199
Source of citations: WOS **Citations:** 69
- 90** Cebolla, VL; Membrado, L; Vela, J; Garriga, R; Henrion, P; Domingo, MP; Gonzalez, P. Determination of hydrocarbon types in petroleum and coal-derived products by thin-layer chromatography/densitometry. JOURNAL OF AOAC INTERNATIONAL. 83, 2000. ISSN 1060-3271
PMID: 11128156
Source of citations: WOS **Citations:** 7
- 91** Cossio, FP; Arrieta, A; Cebolla, VL; Membrado, L; Domingo, MP; Henrion, P; Vela, J. Enhancement of fluorescence in thin-layer chromatography induced by the interaction between n-alkanes and an organic cation. ANALYTICAL CHEMISTRY. 72, 2000. ISSN 0003-2700
DOI: 10.1021/ac991302q

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- 92** Cebolla, VL; Membrado, L; Domingo, MP; Cossio, FP; Arrieta, A; Vela, J. Fluorescent chemosensor for saturated hydrocarbons and other petroleum-related molecules. Its application using a chromatographic system: Berberine-induced fluorescence detection. ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY. 220, 2000. ISSN 0065-7727
- 93** Cebolla, VL; Galvez, EM; Membrado, L; Domingo, MP; Asensio, A; Vela, J. Improved analysis of a gas oil using a high-performance thin-layer chromatographic system. JOURNAL OF CHROMATOGRAPHIC SCIENCE. 38, 2000. ISSN 0021-9665
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- 94** Cebolla, VL; Membrado, L; Domingo, MP; Garriga, R; Galvez, EM; Cossio, FP; Arrieta, A. Sensitive and quantitative group-type analysis (alkanes-naphthenes-aromatics-polars) of a wide range of petroleum products using berberine-induced fluorescence densitometry in thin-layer chromatographic systems. ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY. 220, 2000. ISSN 0065-7727
- 95** Cebolla, VL; Membrado, L; Domingo, MP; Henrion, P; Garriga, R; Gonzalez, P; Cossio, FP; Arrieta, A; Vela, J. Quantitative applications of fluorescence and ultraviolet scanning densitometry for compositional analysis of petroleum products in thin-layer chromatography. JOURNAL OF CHROMATOGRAPHIC SCIENCE. 37, 1999. ISSN 0021-9665
DOI: 10.1093/chromsci/37.6.219
Source of citations: WOS **Citations:** 24
- 96** Bacaud, R; Rouleau, L; Cebolla, VL; Membrado, L; Vela, J. Evaluation of hydroconverted residues. Rationalization of analytical data through hydrogen transfer balance. CATALYSIS TODAY. 43, 1998. ISSN 0920-5861
DOI: 10.1016/S0920-5861(98)00147-3
Source of citations: WOS **Citations:** 9
- 97** Vela, J; Membrado, L; Cebolla, VL; Ferrando, AC. Suitability of thin-layer chromatography flame ionization detection with regard to quantitative characterization of different fossil fuel products. II. Calibration methods concerning quantitative hydrocarbon group type analysis. JOURNAL OF CHROMATOGRAPHIC SCIENCE. 36, 1998. ISSN 0021-9665
DOI: 10.1093/chromsci/36.10.487
Source of citations: WOS **Citations:** 9
- 98** Cebolla, VL; Vela, J; Membrado, L; Ferrando, AC. Suitability of thin-layer chromatography-flame ionization detection with regard to quantitative characterization of different fossil fuel products. I. FID performances and response of pure compounds related to fossil fuel products. JOURNAL OF CHROMATOGRAPHIC SCIENCE. 36, 1998. ISSN 0021-9665
DOI: 10.1093/chromsci/36.10.479
Source of citations: WOS **Citations:** 8
- 99** Vela, J; Cebolla, VL; Membrado, L; Ferrando, AC. Thin-layer chromatography with UV-scanning detection for quantitative analysis of coal-derived products. JPC-JOURNAL OF PLANAR CHROMATOGRAPHY-MODERN TLC. 11, 1998. ISSN 0933-4173
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- 100** Cebolla, VL; Membrado, L; Vela, J; Ferrando, AC. Evaporative light-scattering detection in the quantitative analysis of semivolatile polycyclic aromatic compounds by high-performance liquid chromatography. JOURNAL OF CHROMATOGRAPHIC SCIENCE. 35, 1997. ISSN 0021-9665
DOI: 10.1093/chromsci/35.4.141
Source of citations: WOS **Citations:** 15
- 101** Bacaud, R; Rouleau, L; Cebolla, VL; Membrado, L. Hydrogen transfer in the hydroconversion of a vacuum residue. An analytical approach. ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY. 213, 1997. ISSN 0065-7727
- 102** Cebolla, VL; Vela, J; Membrado, L; Ferrando, AC. TLC-FID in quantitative hydrocarbon group type analysis (HGTA) of asphaltenes and other heavy fossil fuels. ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY. 213, 1997. ISSN 0065-7727
- 103** Cebolla, VL; Vela, J; Membrado, L; Ferrando, AC. Coal-tar pitch characterization by thin-layer chromatography with flame ionization detection. CHROMATOGRAPHIA. 42, 1996. ISSN 0009-5893
DOI: 10.1007/BF02290312
Source of citations: WOS **Citations:** 12
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DOI: 10.1016/0008-6223(96)00044-9
Source of citations: WOS **Citations:** 23
- 106** CEBOLLA, VL; MEMBRADO, L; VELA, J; BACAUD, R; ROULEAU, L. CATALYTIC SELECTIVITY AND H-TRANSFER IN THE HYDROCONVERSION OF A PETROLEUM RESIDUE USING DISPERSED CATALYSTS. ENERGY & FUELS. 9, 1995. ISSN 0887-0624
DOI: 10.1021/ef00053a024
Source of citations: WOS **Citations:** 9
- 107** VELA, J; CEBOLLA, VL; MEMBRADO, L; ANDRES, JM. QUANTITATIVE HYDROCARBON GROUP TYPE ANALYSIS OF PETROLEUM HYDROCONVERSION PRODUCTS USING AN IMPROVED TLC-FID SYSTEM. JOURNAL OF CHROMATOGRAPHIC SCIENCE. 33, 1995. ISSN 0021-9665
DOI: 10.1093/chromsci/33.8.417
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- 108** Membrado, L; Cebolla, VL; Vela, J. Quantitative group-type analysis of coal-tar pitches. COAL SCIENCE, VOLS I AND II. 24, 1995. ISSN 0167-9449, ISBN 0-444-82227-5
- 109** Cebolla, VL; Membrado, L; Vela, J; Andres, JM. Thin-layer chromatography with characterization of pitches. COAL SCIENCE, VOLS I AND II. 24, 1995. ISSN 0167-9449, ISBN 0-444-82227-5
Source of citations: WOS **Citations:** 2



- 110** CEBOLLA, VL; DIACK, M; CAGNIANT, D; OBERSON, M; BACAUD, R; NICKELPEPINDONAT, B. EVALUATION OF THE EFFECT OF A NONPOROUS ULTRAFINE IRON CATALYST ON THE HYDROLIQUEFACTION OF A HIGHLY VOLATILE BITUMINOUS COAL. ENERGY & FUELS. 8, 1994. ISSN 0887-0624
DOI: 10.1021/ef00043a013
Source of citations: WOS **Citations:** 5
- 111** CEBOLLA, VL; MARTINEZ, MT; PRADO, JG; MIRANDA, JL; FERNANDEZ, I; BENITO, AM. INVESTIGATION OF THE EXISTENCE OF COAL MATRIX EFFECTS ON THE HYDROLIQUEFACTION OF VITRINITES DERIVED FROM LOW-RANK SPANISH COALS. FUEL SCIENCE & TECHNOLOGY INTERNATIONAL. 12, 1994. ISSN 0884-3759
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DOI: 10.1016/0016-2361(94)90293-3
Source of citations: WOS **Citations:** 10
- 113** BENITO, A; CEBOLLA, V; FERNANDEZ, I; MARTINEZ, MT; MIRANDA, JL; OELERT, H; PRADO, JG. TRANSPORT FUELS FROM 2-STAGE COAL-LIQUEFACTION. INTERNATIONAL JOURNAL OF ENERGY RESEARCH. 18, 1994. ISSN 0363-907X
DOI: 10.1002/er.4440180225
Source of citations: WOS **Citations:** 5
- 114** MARTINEZ, MT; FERNANDEZ, I; BENITO, AM; CEBOLLA, V; MIRANDA, JL; OELERT, HH. 2-STAGE LIQUEFACTION OF A SPANISH SUBBITUMINOUS COAL. FUEL PROCESSING TECHNOLOGY. 33, 1993. ISSN 0378-3820
DOI: 10.1016/0378-3820(93)90075-F
Source of citations: WOS **Citations:** 14
- 115** WEBER, JV; KRZTON, A; CEBOLLA, V; SWISTEK, M. CHROMATOGRAPHIC-SEPARATION OF HEAVY ORGANIC RESIDUES - TLC-FID - A USEFUL MONITORING TOOL. ERDOL & KOHLE ERDGAS PETROCHEMIE. 46, 1993. ISSN 0014-0058
Source of citations: WOS **Citations:** 2
- 116** CEBOLLA, VL; DIACK, M; OBERSON, M; BACAUD, R; CAGNIANT, D; NICKELPEPINDONAT, B. EFFECT OF A SULFIDED, NONPOROUS AEROSOL FE₂O₃ CATALYST ON THE CHEMICAL-STRUCTURE OF COAL LIQUIDS FROM THE HYDROLIQUEFACTION OF A HIGHLY VOLATILE BITUMINOUS COAL. ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY. 205, 1993. ISSN 0065-7727
- 117** BENITO, AM; MARTINEZ, MT; CEBOLLA, V; FERNANDEZ, I; MIRANDA, JL. HYDROTREATING OF DISTILLATES FROM SPANISH COAL-LIQUEFACTION. ERDOL & KOHLE ERDGAS PETROCHEMIE. 46, 1993. ISSN 0014-0058
Source of citations: WOS **Citations:** 2
- 118** CEBOLLA, VL; MARTINEZ, MT; MIRANDA, JL; FERNANDEZ, I. EFFECTS OF PETROGRAPHIC COMPOSITION AND SULFUR IN LIQUEFACTION OF SPANISH LIGNITES. FUEL. 71, 1992. ISSN 0016-2361
DOI: 10.1016/0016-2361(92)90196-U
Source of citations: WOS **Citations:** 3



- 119** MIRANDA, JL; AGUILAR, F; JUAN, R; MARTINEZ, MT; CEBOLLA, VL. EFFECT OF MINERAL MATTER ON THE HYDROGENATION OF SPANISH COALS. ERDOL & KOHLE ERDGAS PETROCHEMIE. 44, 1991. ISSN 0014-0058
- 120** CEBOLLA, VL; DIACK, M; OBERSON, M; BACAUD, R; CAGNIANT, D; NICKELPEPINDONAT, B. EFFECT OF VARIOUS CATALYSTS ON THE CHEMICAL-STRUCTURE OF OILS AND ASPHALTENES OBTAINED FROM THE HYDROLIQUEFACTION OF A HIGHLY VOLATILE BITUMINOUS COAL. FUEL PROCESSING TECHNOLOGY. 28, 1991. ISSN 0378-3820
- 121** CEBOLLA, VL; BACAUD, R; BESSON, M; CAGNIANT, D; CHARCOSSET, H; OBERSON, M. ANALYTICAL METHODS FOR THE STUDY OF THE INFLUENCE OF CATALYSTS ON THE NATURE OF LIQUEFACTION PRODUCTS OF A BITUMINOUS COAL. BULLETIN DE LA SOCIETE CHIMIQUE DE FRANCE. 1987. ISSN 0037-8968
Source of citations: WOS **Citations:** 9
- 122** MASTRAL, AM; CEBOLLA, VL; GAVILAN, JM. ALKYL ARYL ETHERS IN LIGNITE SOLUBILIZATION .2. ANALYSIS OF OIL FRACTIONS. FUEL. 64, 1985. ISSN 0016-2361
DOI: 10.1016/0016-2361(85)90417-X
Source of citations: WOS **Citations:** 5
- 123** MASTRAL, AM; CEBOLLA, VL. CHARACTERIZATION OF LIGNITE LOW-SEVERITY DEPOLYMERIZATION PRODUCTS. FUEL PROCESSING TECHNOLOGY. 11, 1985. ISSN 0378-3820
DOI: 10.1016/0378-3820(85)90018-9
Source of citations: WOS **Citations:** 2
- 124** MASTRAL, AM; CEBOLLA, VL; GAVILAN, JM. ALKYL ARYL ETHERS IN LIGNITE SOLUBILIZATION .1. STUDY OF THE PROCESS. FUEL. 63, 1984. ISSN 0016-2361
DOI: 10.1016/0016-2361(84)90350-8
Source of citations: WOS **Citations:** 9

Works submitted to national or international conferences

- 1** **Title of the work:** HPTLC des hydrocarbures et assimilés
Name of the conference: La CCM en tous ses états
Corresponding author: Yes
City of event: Videoconferencia,
Date of event: 03/12/2020
Organising entity: Club de la Chromatographie sur couche mince
City organizing entity: La Sure en Chartreuse, France
Cebolla Vicente Luis; Jarne Carmen; Membrado Luis; Vela Jesús; Escuín José Manuel.
- 2** **Title of the work:** HPTLC-MS en Lipidomique
Name of the conference: La CCM en tous ses états
Corresponding author: Yes
City of event: Videoconferencia,
Date of event: 03/12/2020
Organising entity: Club de la Chromatographie sur Couche Mince
City organizing entity: La Sure en Chartreuse, France



Cebolla Vicente Luis; Jarne Carmen; Savirón María; Membrado Luis; Vela Jesús; Orduna Jesús; Garriga Rosa; Galbán Javier.

- 3** **Title of the work:** Carbon Nanomaterials as Nanocarriers for the Anticancer Drug Camptothecin
Name of the conference: NanoteC20
Corresponding author: No
City of event: Sussex, United Kingdom
Date of event: 25/08/2020
End date: 26/08/2020
Organising entity: University of Sussex
City organizing entity: Sussex, United Kingdom
Rosa Garriga; Tania Herrero-Continente; Miguel Palos; Vicente L. Cebolla; Jesús Osada; Edgar Muñoz; María Jesús Rodríguez-Yoldi. "Abstracts NanoteC20".
- 4** **Title of the work:** Fabrication and characterization of tectomer/MoS2 nanosheet hybrids
Name of the conference: NanoteC20
Corresponding author: No
City of event: Sussex, United Kingdom
Date of event: 25/08/2020
End date: 26/08/2020
Organising entity: University of Sussex
City organizing entity: Sussex, United Kingdom
Edgar Muñoz; Rosa Garriga; Manoj Tripathi; Frank Lee; Sean P. Ogilvie; Shayan Seyedin; Joselito M. Razal; Vicente L. Cebolla; Izabela Jurewicz; Alan B. Dalton. "Abstracts NanoteC20".
- 5** **Title of the work:** Contribution of the recent HPTLC developments to the analysis of complex samples with broad polarity ranges: Lipidomics, petroleum products and Biofuels
Name of the conference: Eastern Analytical Symposium and Exhibition (EAS)
Type of event: Conference
Type of participation: Participatory - Plenary session
Reasons for participation: Upon invitation
Corresponding author: Yes
City of event: Princeton, NJ, United States of America
Date of event: 18/11/2019
End date: 20/11/2019
Organising entity: American Chemical Society
Publication in conference proceedings: Yes
Vicente Luis Cebolla Burillo; Luis Membrado Giner; Jesús Vela Rodrigo; Carmen Jarne Lardiés. "Abstracts". (United States of America):
- 6** **Title of the work:** Fully automated forensic screening of dried blood spots with MRM Spectrum Mode
Name of the conference: ASMS Conference on Mass Spectrometry and Allied Topics
Type of event: Conference
Reasons for participation: Open access
Corresponding author: No
City of event: Atlanta, United States of America
Date of event: 02/06/2019
End date: 06/06/2019
Organising entity: American Society for Mass Spectrometry
City organizing entity: Santa Fe, United States of America
Publication in conference proceedings: Yes
With external admission assessment committee: Yes



Davor Fielitz; Stefan Christian Gaugler; Jana Rykl; M. Almazroua; Mathias Grill; Vicente Luis Cebolla Burillo. "Abstracts". (United States of America):

- 7** **Title of the work:** Funcionalización de Electrodo Transparentes de Nanohilos de Plata con Sistemas Autoensamblados Peptídicos Bidimensionales
Name of the conference: XXXVII Reunión Bienal de la Real Sociedad Española de Química
Corresponding author: No
City of event: San Sebastián, Basque Country, Spain
Date of event: 29/05/2019
End date: 31/05/2019
Organising entity: Real Sociedad Española de Química
Rosa Garriga Mateo; Izabela Jurewicz; Andrés Seral Ascaso; Vicente Luis Cebolla Burillo; Alan Brian Dalton; Edgar Manuel Muñoz de Miguel.
- 8** **Title of the work:** Tectómeros como Adhesivos Peptídicos Supramoleculares para la Funcionalización de Fibras de Óxido de Grafeno
Name of the conference: XXXVII Reunión Bienal de la Real Sociedad Española de Química
Corresponding author: No
City of event: San Sebastián, Basque Country, Spain
Date of event: 29/05/2019
End date: 31/05/2019
Organising entity: Real Sociedad Española de Química
Rosa Garriga Mateo; Izabela Jurewicz; Shayan Seyedin; Joselito M. Razal; Vicente Luis Cebolla Burillo; Alan Brian Dalton; Edgar Manuel Muñoz de Miguel. "Abstracts XXXVII Reunión Bienal de la Real Sociedad Española de Química".
- 9** **Title of the work:** A high-throughput combinatorial platform of fluorophores for obtaining fingerprints for analyte discrimination
Name of the conference: HPTLC ASIA 2018
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Bangkok, Thailand
Date of event: 27/11/2018
End date: 30/11/2018
Organising entity: Insight-Outside **Type of entity:** Business
City organizing entity: Maylan, France
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
E. Romero; C. Jarne; V.L. Cebolla; J. Galbán; L. Membrado; J. Vela. "Abstract".
- 10** **Title of the work:** HPTLC of lipid-based mixtures in different matrices: Combination of densitometry and mass spectrometry for obtaining qualitative and quantitative sample information
Name of the conference: HPTLC ASIA 2018
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - Plenary session **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: Bangkok, Thailand
Date of event: 27/11/2018
End date: 30/11/2018
Organising entity: Insight-Outside



City organizing entity: Maylan, France

Publication in conference proceedings: Yes

With external admission assessment committee:

Yes

V.L. Cebolla; L. Membrado; J. Vela; C. Jarne; M.P. Lapieza. "Abstracts".

11 Title of the work: Chairman de la sesión "Food, Dietary Supplemets, Cosmetics and Biosamples"

Name of the conference: HPTLC ASIA 2018

Type of participation: Organizational -Others

City of event: Bangkok, Thailand

Date of event: 27/11/2018

End date: 30/11/2018

Organising entity: Insight-Outside

12 Title of the work: Miembro del comité científico internacional

Name of the conference: HPTLC ASIA 2018

Type of participation: Organizational - Scientific and organizing committee

City of event: Bangkok, Thailand

Date of event: 27/11/2018

End date: 30/11/2018

Organising entity: Insight-Outside

V.L. Cebolla.

13 Title of the work: Poster Awards Committee member

Name of the conference: HPTLC ASIA 2018

Type of participation: Organizational -Others

City of event: Bangkok, Thailand

Date of event: 27/11/2018

End date: 30/11/2018

Organising entity: Insight-Outside

14 Title of the work: Application de l'HPTLC à l'analyse de mélanges complexes

Name of the conference: Journée CHROMACIM-École de Chimie et Polymères Strasbourg

Type of event: Workshop

Geographical area: Francia

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Estrasburgo, France

Date of event: 13/09/2018

End date: 14/09/2018

Organising entity: CHROMACIM

Type of entity: Business

Publication in conference proceedings: Yes

With external admission assessment committee:

Yes

V.L. Cebolla. "No publicación".

15 Title of the work: 2D oligoglycine tectomer adhesives for surface functionalization

Name of the conference: NanoteC18.- Carbon nanoscience and nanotechnologies

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Brighton, United Kingdom

Date of event: 29/08/2018



End date: 01/09/2018

Organising entity: Sussex University

Type of entity: University

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

R. Garriga; I. Jurewicz; S. Seyedin; J.M. Razal; V.L. Cebolla; A.B. Dalton; E. Muñoz. "Abstracts".

16 Title of the work: Electron Transport and Electrochemical Properties of Wet-spun Carbon Nanotube- and Graphene Oxide Fibers

Name of the conference: First International Workshop on Multi-Functional Nanocarbon Fibers

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Madrid, Spain

Date of event: 27/06/2018

End date: 29/06/2018

Organising entity: FUNDACION IMDEA MATERIALES

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

E. Muñoz; R. Marcilla; S. Seyedin; E. Azaceta; A. Seral-Ascaso; J.A. Benedico; E. García-Bordejé; M. Laguna; V.L. Cebolla; J.M. Razal; I. Jurewicz; R. Garriga. "Abstract".

17 Title of the work: Wet-spun graphene oxide fiber functionalization with 2D oligoglycine tectomer adhesives

Name of the conference: First International Workshop on Multi-Functional Nanocarbon Fibers

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Madrid, Spain

Date of event: 27/06/2018

End date: 29/06/2018

Organising entity: FUNDACION IMDEA MATERIALES

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

"Abstracts".

18 Title of the work: L'analyse quantitative de lipides, est-elle possible par HPTLC ?

Name of the conference: 20 ème anniversaire club de la CCM-Sanofi R&D

Type of event: Workshop

Type of participation: Participatory - invited/keynote talk
Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Montpellier, France

Date of event: 27/06/2018

End date: 28/06/2018

Organising entity: Club de la CCM

Type of entity: Associations and Groups

City organizing entity: Pommiers-la-Placette, France

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

V.L. Cebolla; J. Vela; L. Membrado; M.P. Lapieza. "Abstract".

19 Title of the work: HPTLC with Tandem MS and HR-MS for structural identification in lipidomic and other complex lipid samples

Name of the conference: American Oil Chemists' Society (AOCS 2018)



Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Minneapolis, United States of America

Date of event: 06/05/2018

End date: 09/05/2018

Organising entity: American Oil Chemists' Society (AOCS)

Type of entity: Associations and Groups

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

V.L. Cebolla; M.P. Lapieza; M. Savirón; J. Orduna; L. Membrado; J. Nichols. "Abstracts".

20 Title of the work: Multifunctional, pH-Responsive Carbon Nanotube- and Graphene Oxide / 2D Oligoglycine Tectomer Hybrids

Name of the conference: NanoteC 2017

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Nantes, France

Date of event: 31/08/2017

Organising entity: Université de Nantes

Type of entity: University

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

E. Muñoz; I. Jurewicz; S. Seyedin; N. Bardi; S. Totti; B. Matta-Domjan; E. G. Velliou; M.A. Alkhorayef; V.L. Cebolla; J.M. Razal; A.B. Dalton; R. Garriga. "Abstracts".

21 Title of the work: Chairman de una sesion

Name of the conference: International Symposium on HPTLC 2017

Type of participation: Organizational -Others

City of event: Berlin, Germany

Date of event: 05/07/2017

End date: 08/07/2017

Organising entity: Insight-Outside

City organizing entity: Meylan, France

22 Title of the work: Miembro del comité científico internacional

Name of the conference: International Symposium on HPTLC 2017

Type of participation: Organizational - Scientific and organizing committee

City of event: Berlín, Germany

Date of event: 05/07/2017

End date: 08/07/2017

Organising entity: Insight-Outside

Type of entity: Business

City organizing entity: Maylan, France

23 Title of the work: Poster Awards Committee Member

Name of the conference: International Symposium on HPTLC 2017

Type of participation: Organizational -Others

City of event: Berlin, Germany

Date of event: 05/07/2017

End date: 08/07/2017

Organising entity: Insight-Outside



- 24** **Title of the work:** High-Performance-TLC coupled to Electrospray (ESI) Ionization Tandem Mass Spectrometry for identifying neutral lipids, sphingolipids and phospholipids in complex samples
Name of the conference: HPTLC-2017 Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Berlin, Germany
Date of event: 04/07/2017
End date: 08/07/2017
Organising entity: Insight-Outside
City organizing entity: Meylan, France
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
V.L. Cebolla; M.P. Lapieza; C. Jarne; M. Savirón; L. Membrado; J. Orduna; G.E. Morlock; C. Jungas; R. Garriga; J. Vela; J. Galbán. "Abstracts".
- 25** **Title of the work:** Quantification of phospholipids using High-Performance Thin-Layer Chromatography and primuline-induced fluorescence detection by intensity changes
Name of the conference: HPTLC-2017 Meeting
Type of event: Workshop
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Berlin, Germany
Date of event: 04/07/2017
End date: 08/07/2017
Organising entity: Insight-Outside **Type of entity:** Business
City organizing entity: Meylan, France
V.L. Cebolla; J. Vela; L. Membrado. "No publicación".
- 26** **Title of the work:** L'HPTLC couplée à la spectrométrie de masse tandem pour l'analyse structurale de mélanges complexes à base de lipides
Name of the conference: 19ème edition Club de la CCM-Pierre Fabre R&D
Type of event: Workshop **Geographical area:** Francia
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: Toulouse,
Date of event: 05/10/2016
End date: 06/10/2016
Organising entity: Club de la CCM **Type of entity:** Associations and Groups
City organizing entity: Pommiers-la-Placette, France
Publication in conference proceedings: Yes
"No publicación".
- 27** **Title of the work:** Application of High Performance-TLC Coupled to Electrospray (ESI) Ionization Tandem Mass Spectrometry for Structural Analysis of Complex Lipid-based Samples
Name of the conference: 14th EURO FED LIPIDS CONGRESS
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Gante, Belgium



Date of event: 18/09/2016

End date: 20/09/2016

Organising entity: Benelux Lipid Network

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

V.L. Cebolla; C. Jarne; L. Membrado; M. Savirón; M.P. Lapieza; J. Orduna. "Abstracts".

28 Title of the work: Nanodiamond/oligopeptide composites and assemblies

Name of the conference: International Conference on Diamond and Carbon Materials

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Montpellier, France

Date of event: 04/09/2016

End date: 08/09/2016

Organising entity: Elsevier

Type of entity: Business

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

E. Muñoz; I. Jurewicz; J.M. Razal; S. Seyedin; A.B. Dalton; V.L. Cebolla; R. Garriga. "Abstracts".

29 Title of the work: Wet-spun carbon nanotube composite fibers with tuned physicochemical properties

Name of the conference: International Conference on Diamond and Carbon Materials

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - poster

Corresponding author: No

City of event: Montpellier, France

Date of event: 04/09/2016

End date: 08/09/2016

Organising entity: Elsevier

Type of entity: Business

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

R. Garriga; R. Marcilla; E. Azaceta; A. Seral-Ascaso; M. Laguna; E. García-Bordejé; V.L. Cebolla; A.B. Dalton; I. Jurewicz; E. Muñoz. "Abstracts".

30 Title of the work: Acoplamiento secuencial basado en Cromatografía en Capa Fina de Alta Eficacia (HPTLC) para el análisis de productos derivados del petróleo

Name of the conference: Conferencia en CEPSA I+D+i

Corresponding author: Yes

City of event: Alcalá de Henares, Spain

Date of event: 04/12/2015

Organising entity: CEPSA QUIMICA SA

"No publicación".

31 Title of the work: Hyphenation based on High-Performance Thin-Layer Chromatography (HPTLC) for analyzing petroleum-derived products

Name of the conference: PEFTEC 2015

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Amberes, Belgium

Date of event: 18/11/2015



End date: 19/11/2015

Organising entity: Diversos sponsors

Type of entity: Business

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

V.L. Cebolla; C. Jarne; L. Membrado; M. P. Lapieza; M. Savirón; J. Orduna. "Abstracts".

32 Title of the work: Fast Identification of Substances in Complex samples with High-Performance Thin-layer Chromatography Combined with Bioassays, MS and Other Hyphenations

Name of the conference: Seminario ACS-CAMAG

Type of event: Seminar

Geographical area: Non EU International

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Boston, United States of America

Date of event: 20/08/2015

Organising entity: American Chemical Society

Publication in conference proceedings: Yes

33 Title of the work: Gradient-based high performance thin-layer chromatography for an expanded SARA analysis of heavy petroleum products

Name of the conference: 250th ACS National Meeting

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

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

Type of entity: Associations and Groups

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

C. Jarne; V.L. Cebolla; L. Membrado. "Gradient-based high performance thin-layer chromatography for an expanded SARA analysis of heavy petroleum products". En: Prepr. Am. Chem. Soc. Energy Fuels. 60 - 2, pp. 64 - 65. (United States of America): ACS, 2015.

34 Title of the work: Separation, determination and composition profile of lipids in biodiesel using hyphenation of gradient HPTLC with Fluorescence Detection by Intensity Changes and Mass Spectrometry

Name of the conference: 250th ACS National Meeting

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

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

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

C. Jarne; V.L. Cebolla; M.P. Lapieza; M. Savirón; J. Orduna; J. Galbán; L. Membrado. "Abstracts Book".

35 Title of the work: Potentiel de l'HPTLC couplée à la densitometrie de balayage et à la Spéctrometrie de Masse pour l'analyse structurale et la quantification des lipides complexes

Name of the conference: Journées Lipidomystes



Type of event: Workshop
Geographical area: Francia
Type of participation: Participatory - invited/keynote talk
Reasons for participation: Upon invitation
Corresponding author: Yes
City of event: Grenoble, France
Date of event: 09/04/2015
End date: 10/04/2015
Publication in conference proceedings: Yes
V.L. Cebolla; C. Jarne; M.P. Lapieza; M. Savirón; J. Orduna; J. Galbán; L. Membrado. "Abstracts".

- 36** **Title of the work:** Acoplamiento online de HPTLC-detección fluorescente por cambios de intensidad (FDIC)-Espectrometría de Masas para el análisis de esfingolípidos
Name of the conference: 6ª jornada de jóvenes investigadores de Química y Física en Aragón
Type of event: Workshop
Geographical area: Regional
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Zaragoza, Spain
Date of event: 20/11/2014
Organising entity: Universidad de Zaragoza
Type of entity: University
City organizing entity: Zaragoza, Spain
Publication in conference proceedings: Yes
With external admission assessment committee: Yes
M.P. Lapieza; A. Dominguez; C. Jarne; V.L. Cebolla; J. Galbán; M. Savirón; J. Orduna; L. Membrado; R. Garriga; J. Vela; E. Romero. "Abstracts".

- 37** **Title of the work:** A fluorescent probe for alkanes, surfactants, lipids and self-organized molecular aggregates
Name of the conference: 1st International Caparica Conference on Chromogenic and Emissive Materials
Type of event: Conference
Geographical area: Internacional
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Caparica, Portugal
Date of event: 08/09/2014
End date: 10/09/2014
Organising entity: Diversos sponsors
Type of entity: Business
Publication in conference proceedings: Yes
With external admission assessment committee: Yes
E. Romero; R. Garriga; V.L. Cebolla; J. Galbán; L. Membrado; E. Muñoz; C. Jarne. "Abstracts".

- 38** **Title of the work:** Array of fluorophores using a high throughput, silica gel-based combinatorial platform for analyte fingerprinting and discrimination
Name of the conference: 1st International Caparica Conference on Chromogenic and Emissive Materials
Type of event: Conference
Geographical area: Internacional
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Caparica, Portugal
Date of event: 08/09/2014
End date: 10/09/2014
Organising entity: Diversos sponsors
Type of entity: Business
Publication in conference proceedings: Yes
With external admission assessment committee: Yes



E. Romero; C. Jarne; V.L. Cebolla; M.P. Lapieza; L. Membrado; J. Galbán; M. Ostra; C. Ubide; M. Vidal; F.P. Cossío; M.M. Puyol. "Abstracts".

39 Title of the work: Fluorescence Detection by Intensity Changes (FDIC), a useful analytical tool for complex mixtures based on non-covalent interactions

Name of the conference: 1st International Caparica Conference on Chromogenic and Emissive Materials

Type of event: Conference

Geographical area: Internacional

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Caparica, Portugal

Date of event: 08/09/2014

End date: 10/09/2014

Organising entity: Diversos sponsors

Type of entity: Business

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

V.L. Cebolla; C. Jarne; L. Membrado; R. Garriga; J. Vela; A. Domínguez; E. Romero; M.P. Lapieza. "Abstracts".

40 Title of the work: Online hyphenation of HPTLC-Fluorescence Detection by Intensity Changes (FDIC)-Mass Spectrometry for sphingolipid analysis

Name of the conference: 1st International Caparica Conference on Chromogenic and Emissive Materials

Type of event: Conference

Geographical area: Internacional

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: Caparica, Portugal

Date of event: 08/09/2014

End date: 10/09/2014

Organising entity: Diversos sponsors

Type of entity: Business

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

A. Domínguez; C. Jarne; V.L. Cebolla; J. Galbán; M. Savirón; J. Orduna; L. Membrado; M.P. Lapieza; R. Garriga; J. Vela; E. Romero. "Abstracts".

41 Title of the work: A hyphenated technique based on AMD-FDIC-MS for separating and determining biomarkers of Lysosomal Storage Diseases in human fluids

Name of the conference: HPTLC 2014. International Symposium on Thin-Layer Chromatography

Type of event: Conference

Geographical area: Internacional

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

City of event: Lyon, France

Date of event: 02/07/2014

End date: 04/07/2014

Organising entity: Insight-Outside

Type of entity: Business

City organizing entity: Meylan, France

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

V.L. Cebolla; A. Domínguez; C. Jarne; L. Membrado; M. Savirón; J. Orduna; J. Galbán; M.P. Lapieza. "abstracts".

42 Title of the work: Application of AMD to petrochemical analysis: improved separation and expanded Hydrocarbon Group Type Analysis of heavy petroleum products

Name of the conference: HPTLC 2014. International Symposium on Thin-Layer Chromatography



Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Lyon, France
Date of event: 02/07/2014
End date: 04/07/2014
Organising entity: Insight-Outside
City organizing entity: Meylan, France
Publication in conference proceedings: Yes

C. Jarne; V.L. Cebolla; L. Membrado. "abstract".

Geographical area: Internacional

Type of entity: Business

With external admission assessment committee:
Yes

- 43** **Title of the work:** Berberrubine: a FDIC fluorophore for determining saturated hydrocarbons with a simple calibration, via non-covalent interactions and signal amplification from a keto-enol tautomerism
Name of the conference: HPTLC 2014. International Symposium on Thin-Layer Chromatography
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Lyon, France
Date of event: 02/07/2014
End date: 04/07/2014
Organising entity: Insight-Outside
City organizing entity: Meylan, France
Publication in conference proceedings: Yes
- Geographical area:** Internacional
- Type of entity:** Business
- With external admission assessment committee:**
Yes
- M.A. Delgado-Camón; V.L. Cebolla; C. Jarne; A. Domínguez; J. Galbán; L. Membrado; R. Garriga; F.P. Cossío. "Abstracts".

- 44** **Title of the work:** Chromatographic profiling of heavy petroleum products by AMD-densitometry. Repeatability, factors influencing separation and some examples of application
Name of the conference: HPTLC 2014. International Symposium on Thin-Layer Chromatography
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Lyon, France
Date of event: 02/07/2014
End date: 04/07/2014
Organising entity: Insight-Outside
City organizing entity: Meylan, France
Publication in conference proceedings: Yes
- Geographical area:** Internacional
- With external admission assessment committee:**
Yes
- C. Jarne; V.L. Cebolla; L. Membrado. "Abstracts".

- 45** **Title of the work:** Quantitative analysis of base oils by HPTLC-FDIC
Name of the conference: HPTLC 2014. International Symposium on Thin-Layer Chromatography
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Lyon, France
Date of event: 02/07/2014
End date: 04/07/2014
- Geographical area:** Internacional



Organising entity: Insight-Outside

City organizing entity: Meylan, France

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

C. Jarne; V.L. Cebolla; L. Membrado. "Abstracts".

46 Title of the work: Separation, quantitative determination and fatty-acid profiling of monoglycerides in Fatty-Acid Methyl Esters (FAME) using an on-line, hyphenated technique based on AMD-FDIC-MS

Name of the conference: HPTLC 2014. International Symposium on Thin-Layer Chromatography

Type of event: Conference

Geographical area: Internacional

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Lyon, France

Date of event: 02/07/2014

End date: 04/07/2014

Organising entity: Insight-Outside

City organizing entity: Meylan, France

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

C. Jarne; V.L. Cebolla; L. Membrado; M. Savirón; J. Orduna. "Abstracts".

47 Title of the work: Miembro comité científico internacional

Name of the conference: International Symposium on HPTLC 2014

Type of participation: Organizational - Scientific and organizing committee

City of event: Lyon, France

Date of event: 02/07/2014

End date: 04/07/2014

48 Title of the work: Poster Awards Committee Member

Name of the conference: International Symposium on HPTLC 2014

Type of participation: Organizational -Others

City of event: Lyon, France

Date of event: 02/07/2014

End date: 04/07/2014

Organising entity: Insight-Outside

V.L. Cebolla.

49 Title of the work: Wet-Spinning Multifunctional Carbon Nanotube/Polymer Composite Fibers

Name of the conference: NanoSpain 2014

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Madrid, Spain

Date of event: 11/03/2014

End date: 14/03/2014

Organising entity: Diversas entidades

Type of entity: Public Research Body

City organizing entity: Madrid, Spain

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

J.A. Benedico; R. Marcilla; E. Azaceta; A. Seral-Ascaso; E. García-Bordejé; V.L. Cebolla; R. Garriga; E. Muñoz. "Abstracts".



- 50** **Title of the work:** Reagentless biosensor based on chemically modified glucose oxidase and water-dispersible uncoagulating luminescence nanoparticle
Name of the conference: VI Workshop on Analytical Nanoscience and Nanotechnology (VINyNA 2013)
Type of event: Workshop **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Alcalá de Henares, Spain
Date of event: 08/07/2013
End date: 09/07/2013
Organising entity: Universidad de Alcalá de Henares **Type of entity:** University
City organizing entity: Alcalá de Henares, Spain
Publication in conference proceedings: Yes
M. del Barrio; S. Wilhelm; T. Hirsch; S. de Marcos; J. Galbán; V.L. Cebolla; O.S. Wolfbeis. "Abstracts".
- 51** **Title of the work:** Array of fluorophores using a silica gel-based, high-throughput combinatorial platform. I. Instrumental device and measurement methodology
Name of the conference: XVIII Reunión de la Sociedad Española de Química Analítica (SEQA 2013)
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Jaén, Spain
Date of event: 16/06/2013
End date: 18/06/2013
Organising entity: SEQA Sociedad Española Química Analítica **Type of entity:** Associations and Groups
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
E. Romero; C. Jarne; V.L. Cebolla; J. Galbán; C. Ubide; M. Ostra; M. Vidal; F.P. Cossío; M.M. Puyol; J. Alonso. "Abstracts".
- 52** **Title of the work:** Array of fluorophores using a silica gel-based, high-throughput combinatorial platform. II. Chemometric treatment of results
Name of the conference: XVIII Reunión de la Sociedad Española de Química Analítica (SEQA 2013)
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Alcalá de Henares, Spain
Date of event: 16/06/2013
End date: 18/06/2013
Organising entity: Universidad de Alcalá de Henares **Type of entity:** University
City organizing entity: Alcalá de Henares, Spain
Publication in conference proceedings: Yes
M. Ostra; C. Ubide; M. Vidal; F.P. Cossío; E. Romero; C. Jarne; V.L. Cebolla; J. Galbán; M.M. Puyol; J. Alonso. "Abstracts".
- 53** **Title of the work:** Selected poster. Array of fluorophores using a silica gel-based, high-throughput combinatorial platform. I. Instrumental device and measurement methodology
Name of the conference: XVIII Reunión de la Sociedad Española de Química Analítica (SEQA 2013)
Type of event: Conference



Type of participation: Participatory - others

Corresponding author: Yes

City of event: Alcalá de Henares, Spain

Date of event: 16/06/2013

End date: 18/06/2013

Organising entity: Universidad de Alcalá de Henares

Type of entity: University

City organizing entity: Alcalá de Henares, Spain

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

E. Romero; C. Jarne; V.L. Cebolla; J. Galbán; C. Ubide; M. Ostra; M. Vidal; F.P. Cossío; M.M. Puyol; J. Alonso. "abstracts".

- 54** **Title of the work:** Chromatographie en couche mince à haute performance (HPTLC)-développement multiple automatique (AMD) et détection par changements d'intensité d'émission (FDIC) de nouveaux fluorophores pour l'analyse de molécules sans chromophores ou avec de pauvres propriétés d'absorption
Name of the conference: SEP 2013, 10^{ème} Congrès francophone de l'AfSep sur les sciences séparatives et les couplages

Type of event: Conference

Geographical area: Francia

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Paris, France

Date of event: 04/06/2013

End date: 07/06/2013

Organising entity: AfSEP Association Française de Sciences Séparatives

City organizing entity: Paris, France

Publication in conference proceedings: Yes

V.L. Cebolla; C. Jarne; E. Romero; A. Domínguez; L. Membrado; R. Garriga; J. Galbán; M. Savirón; J. Orduna; F.P. Cossío. "Abstracts".

- 55** **Title of the work:** Emisión de los fluoróforos catiónicos coralina y berberina en disolventes de distinta polaridad y cambios producidos por la presencia de compuestos con cadena hidrocarbonada larga
Name of the conference: XXIII Reunión Nacional de Espectroscopía.- VII Congreso Ibérico de Espectroscopía

Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: No

City of event: Córdoba, Spain

Date of event: 17/09/2012

End date: 20/09/2012

Organising entity: Real Sociedad Española de Óptica

Type of entity: Associations and Groups

Publication in conference proceedings: Yes

R. Garriga; M.A. Delgado-Camón; E. Mateos; V.L. Cebolla; J. Galbán; L. Membrado; S. de Marcos; E.M. Gálvez. "abstracts congreso".

- 56** **Title of the work:** Reagentless glucose biosensor based on chemically modified glucose oxidase immobilized in polyacrilamide hydrogels

Name of the conference: XV International Symposium on Luminescence Spectrometry

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication



Corresponding author: No

City of event: Barcelona, Spain

Date of event: 19/06/2012

End date: 22/06/2012

Organising entity: Universitat de Barcelona

Publication in conference proceedings: Yes

Type of entity: University

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

M. del Barrio; S. de Marcos; E. Romanos; S. Murillo; V.L. Cebolla; J. Galbán. "Reagentless glucose biosensor based on chemically modified glucose oxidase immobilized in polyacrylamide hydrogels". En: Luminescence: The Journal of Biological and Chemical Luminescence. 27 - 6, pp. 566 - 567. John Wiley & Sons, 2012.

57 Title of the work: Contribution of AMD-HPTLC-Fluorescence and UV Scanning Densitometry to the Characterization of Heavy Petroleum Products

Name of the conference: International Symposium for High-Performance Thin-Layer Chromatography

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Basilea, Switzerland

Date of event: 06/07/2011

End date: 09/07/2011

Organising entity: Diversos sponsors

Publication in conference proceedings: Yes

Type of entity: Business

With external admission assessment committee:
Yes

C. Jarne; V.L. Cebolla; L. Membrado; K. LeMapihan; P. Giusti.

58 Title of the work: Fluorescence detection by intensity changes for AMD-TLC separations of lipids

Name of the conference: International Symposium for High-Performance Thin-Layer Chromatography

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Basilea, Switzerland

Date of event: 06/07/2011

End date: 09/07/2011

Organising entity: Diversos sponsors

Publication in conference proceedings: Yes

Type of entity: Business

V.L. Cebolla; C. Jatrne; A. Dominguez; M.P. Domingo; M.A. Delgado-Camón; R. Garriga; L. Membrado; J. Galbán; E.M. Gálvez; F.P. Cossío. "Abstract".

59 Title of the work: Miembro del comité científico internacional

Name of the conference: International Symposium on HPTLC 2011

Type of participation: Organizational - Scientific and organizing committee

City of event: Basilea, Switzerland

Date of event: 06/07/2011

End date: 08/07/2011

60 Title of the work: FDIC for High performance Thin Layer Chromatography: theoretical foundations and applications to the analysis of chromophore-free molecules

Name of the conference: 21 Seminaire CCM. LVMH Recherche-Christian Dior Parfums

Type of event: Seminar

Geographical area: European Union

Reasons for participation: Upon invitation



Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

City of event: Saint-Jean de Braye, France

Date of event: 14/10/2010

Organising entity: LVMH Christian Dior

Type of entity: Business

Publication in conference proceedings: Yes

V.L. Cebolla. "Abstracts".

61 Title of the work: A simplified analytical model for explaining the environment effect on the fluorescence intensity in solution

Name of the conference: XIV International Symposium on Luminescence Spectroscopy

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Praga, Czech Republic

Date of event: 13/07/2010

End date: 16/07/2010

Organising entity: Charles University, Faculty of Pharmacy

City organizing entity: Praga, Czech Republic

Publication in conference proceedings: Yes

M.A. Delgado-Camón; A. Domínguez; E. Mateos; V. Sanz; S. de Marcos; V.L. Cebolla; I. Sanz Vicente; J. Galbán. "A simplified analytical model for explaining the environment effect on the fluorescence intensity in solution". En: Luminescence: The Journal of Biological and Chemical Luminescence. 25 - 3, pp. 262 - 263. John Wiley & Sons, 2010.

62 Title of the work: Intensity changes of thyroxine-binding globuline fluorescence induced by interaction with thyroxine: an analytical study

Name of the conference: XIV International Symposium on Luminescence Spectroscopy

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Praga, Czech Republic

Date of event: 13/07/2010

End date: 16/07/2010

Organising entity: Charles University, Faculty of Pharmacy

Type of entity: University

City organizing entity: Praga, Czech Republic

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

E. Romero; J. Galbán; V.L. Cebolla. "Intensity changes of thyroxine-binding globuline fluorescence induced by interaction with thyroxine: an analytical study". En: Luminescence: The Journal of Biological and Chemical Luminescence. 25 - 3, pp. 253 - 254. John Wiley & Sons, 2010.

63 Title of the work: Reagentless glucose determination using glucose oxidase chemically modified with a ruthenium-based fluorophore

Name of the conference: XIV International Symposium on Luminescence Spectroscopy

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Praga, Czech Republic

Date of event: 13/07/2010



End date: 16/07/2010

Organising entity: Charles University, Faculty of Pharmacy

Type of entity: University

City organizing entity: Praga, Czech Republic

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

M. del Barrio; S. de Marcos; V.L. Cebolla; J. Galbán. "Reagentless glucose determination using glucose oxidase chemically modified with a ruthenium-based fluorophore". En: Luminescence: The Journal of Biological and Chemical Luminescence. 25 - 3, pp. 260 - 261. 2010.

64 Title of the work: Application of High Performance Thin Layer Chromatography (HPTLC) with Fluorescence Detection by Intensity Changes (FDIC), a technique of fluorescence induction, for the analysis of petroleum products

Name of the conference: Journées TOTAL (CReG)

Type of event: Workshop

Corresponding author: Yes

City of event: Gonfreville, France

Date of event: 19/03/2010

Organising entity: TOTAL

Type of entity: Business

City organizing entity: Paris, France

Publication in conference proceedings: Yes

Type of contribution: Scientific-technical report

V.L. Cebolla.

65 Title of the work: Detection of chromophore-free molecules by induced fluorescence. Application to environmental problems and to Biochemistry

Name of the conference: IMAG-In Symposium

Type of event: Workshop

Geographical area: Francia

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Rennes, France

Date of event: 25/06/2009

Organising entity: Université de Rennes I

Type of entity: University

City organizing entity: Rennes, France

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

V.L. Cebolla. "Abstracts".

66 Title of the work: Application of High Performance Thin Layer Chromatography (HPTLC) with Fluorescence Detection by Intensity Changes (FDIC), a technique of fluorescence induction, for the analysis of petroleum products

Name of the conference: Journées TOTAL France (CReS)

Type of event: Workshop

Geographical area: Francia

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Lyon, France

Date of event: 23/03/2009

Organising entity: TOTAL

Type of entity: Business

City organizing entity: Paris, France

Publication in conference proceedings: Yes



V.L. Cebolla.

- 67** **Title of the work:** Diseño de un sensor óptico de vida larga para la medida de pH basado en rojo congo inmovilizado
Name of the conference: XV congreso RSQA
Corresponding author: No
City of event: San Sebastián, Spain
Date of event: 2009
Organising entity: RSQA **Type of entity:** Associations and Groups
M.A. Delgado-Camón; S. de Marcos; J. Galbán; E. Romero; V.L. Cebolla. "Resúmenes".
- 68** **Title of the work:** Responses of fossil-fuel related, non-fluorescent analytes in planar chromatography and HPLC-GPC using Fluorescence Detection by Intensity Changes
Name of the conference: Sci-Mix. 235th ACS Meeting
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: New Orleans, United States of America
Date of event: 06/10/2008
End date: 10/10/2008
Organising entity: American Chemical Society
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
V.L. Cebolla; E.M. Gálvez; E. Mateos; M.A. Delgado-Camón; M. Matt; L. Membrado; J. Galbán; J. Vela. "Abstract".
- 69** **Title of the work:** Changes in emission induced by non-covalent analyte-fluorophore interactions in different media as a general detection procedure
Name of the conference: XIII International Symposium on Luminescence Spectroscopy
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Bolonia, Italy
Date of event: 07/09/2008
End date: 11/09/2008
Organising entity: University of Bologna **Type of entity:** University
Publication in conference proceedings: Yes
Type of contribution: Scientific paper
V.L. Cebolla; E. Mateos; M.A. Delgado-Camón; J. Galbán; R. Garriga; L. Membrado. "Changes in emission induced by non-covalent analyte-fluorophore interactions in different media as a general detection procedure". En: The Journal of Biological and Chemical Luminescence. 23, pp. 205 - 205. John Wiley & Sons,
- 70** **Title of the work:** Preparation and performance of a FDIC-based sensor system for general analyte detection
Name of the conference: XIII International Symposium on Luminescence Spectroscopy
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Bolonia, Italy
Date of event: 07/09/2008
End date: 11/09/2008



Organising entity: University of Bologna

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

M.A. Delgado-Camón; E. Mateos; V.L. Cebolla; S. de Marcos; J. Galbán. "Preparation and performance of a FDIC-based sensor system for general analyte detection". En: The Journal of Biological and Chemical Luminescence. 23, pp. 206 - 206. John Wiley & Sons,

71 Title of the work: Sphingolipid detection based on berberine fluorescence intensity changes: an analytical study

Name of the conference: XIII International Symposium on Luminescence Spectroscopy

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Bologna, Italy

Date of event: 07/09/2008

End date: 11/09/2008

Organising entity: University of Bologna

Type of entity: University

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Type of contribution: Scientific paper

A. Domínguez; I. Sanz Vicente; V.L. Cebolla; S. de Marcos; J. Galbán. "Sphingolipid detection based on berberine fluorescence intensity changes: an analytical study". En: Luminescence: The Journal of Biological and Chemical Luminescence. 23, pp. 214 - 214. John Wiley & Sons,

72 Title of the work: Changes in emission induced by non-covalent analyte-fluorophore interactions in silica gel as a general detection procedure for Thin-Layer Chromatography

Name of the conference: Internacional Symposium for High-Performance Thin-Layer Chromatography

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Helsinki, Finland

Date of event: 11/06/2008

End date: 13/06/2008

Organising entity: Diversos sponsors

Type of entity: Business

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

V.L. Cebolla; E. Mateos; R. Garriga; L. Membrado; F.P. Cossío; E.M. Gálvez; M. Matt; M.A. Delgado-Camón; J. Vela. "Abstracts".

73 Title of the work: Chairman of Special Detection Techniques Session

Name of the conference: International Symposium for High-Performance Thin Layer Chromatography 2008

Type of participation: Organizational -Others

City of event: Helsinki, Finland

Date of event: 11/06/2008

End date: 13/06/2008

74 Title of the work: Responses of fossil-fuel related, non-fluorescent analytes in planar chromatography and HPLC-GPC using Fluorescence Detection by Intensity Changes

Name of the conference: Symposium on "Advances in Analytical Characterization for Fuel Science", 235th ACS meeting

Type of event: Conference

Geographical area: Non EU International



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CURRÍCULUM VITAE NORMALIZADO

32785ebe7149c83e4750ecc6c4fff748

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

City of event: New Orleans, United States of America

Date of event: 06/04/2008

End date: 10/04/2008

Organising entity: American Chemical Society

Publication in conference proceedings: Yes

With external admission assessment committee:

Yes

Type of contribution: Scientific paper

V.L. Cebolla; E.M. Gálvez; E. Mateos; M.A. Delgado-Camón; M. Matt; L. Membrado; E. Mateos; J. Galbán; J. Vela. "Abstracts Book". En: Prepr. Am. Chem. Soc., Div of Fuel Chem.. 53 - 1, pp. 398 - 399. ACS,

75 Title of the work: Organizador y chairman

Name of the conference: Symposium on Advances in Analytical Characterization for Fuel Science

Type of participation: Organizational - Scientific and organizing committee

City of event: New Orleans, United States of America

Date of event: 06/04/2008

End date: 10/04/2008

Organising entity: American Chemical Society

V.L. Cebolla; R. E. Winans.

76 Title of the work: Vers de nouveaux systèmes de détection: capteurs pour des molécules d'intérêts biologique

Name of the conference: Journées de la Société Française de Chimie

Corresponding author: No

City of event: Nancy, France

Date of event: 2008

Organising entity: Société Française de Chimie

Type of entity: Associations and Groups

M. Matt; M. Beley; V.L. Cebolla; S. Etienne; E.M. Gálvez; T. Oster; L. Membrado; J. Vela. "Abstract".

77 Title of the work: Aplicaciones analíticas del efecto de las interacciones débiles del entorno sobre el rendimiento cuántico de fluorescencia. Aplicación en HPLC y reactivos inmovilizados

Name of the conference: Real Sociedad Española de Física y Química

Type of event: Conference

Geographical area: National

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: Pollensa, Spain

Date of event: 01/10/2007

End date: 03/10/2007

Organising entity: RSEFQ

Type of entity: Associations and Groups

Publication in conference proceedings: Yes

With external admission assessment committee:

Yes

V.L. Cebolla; M.A. Delgado-Camón; A. Domínguez; E. Mateos; I. Sanz; S. de Marcos; L. Membrado; J. Galbán. "Abstracts".

78 Title of the work: Applications and Potential of Fluorescence Detection by Intensity Changes (FDIC) to the Characterization of Fossil Fuel-derived Products

Name of the conference: Rencontres de l'Institut Français du Pétrole. Molecular Structure of Heavy Oils and Coal Liquefaction Products

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: Yes



City of event: Lyon, France

Date of event: 12/04/2007

End date: 13/04/2007

Organising entity: Institut Français du Pétrole (IFP) **Type of entity:** Organismo semipúblico de investigación

City organizing entity: Paris, France

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

V.L. Cebolla; M. Matt; M.P. Domingo; E.M. Gálvez; E. Mateos; L. Membrado; F.P. Cossío. "Abstracts".

79 Title of the work: A general HPTLC detection of analytes, including non-fluorescent ones, by changes in fluorescent emission of coralyne cation

Name of the conference: International Symposium for High Performance Thin-Layer Chromatography

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Berlin, Germany

Date of event: 09/10/2006

End date: 11/10/2006

Organising entity: Diversos sponsors

Type of entity: Business

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

E. Mateos; V.L. Cebolla; E.M. Gálvez; L. Membrado; M. Matt; F.P. Cossío. "Abstracts".

80 Title of the work: Gel Permeation Chromatography coupled to photodiode array-UV and induced fluorescence detection for characterizing saturated hydrocarbons, aromatics and fuels

Name of the conference: Sci-Mix symposium. 230th ACS Meeting

Type of event: Conference

Corresponding author: Yes

City of event: Washington DC, United States of America

Date of event: 29/08/2005

End date: 02/09/2005

Organising entity: American Chemical Society

Type of entity: Associations and Groups

V.L. Cebolla; M. Matt; E.M. Gálvez; L. Membrado; E. Mateos; J. Vela; M.H. Guermouche. "Abstracts".

81 Title of the work: Gel Permeation Chromatography coupled to photodiode array-UV and induced fluorescence detection for characterizing saturated hydrocarbons, aromatics and fuels

Name of the conference: Symposium on "Chemistry of Fuels and Emerging Fuel Technologies", 230th ACS meeting

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Washington DC, United States of America

Date of event: 29/08/2005

End date: 02/09/2005

Organising entity: American Chemical Society

Type of entity: Associations and Groups

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Type of contribution: Scientific paper

V.L. Cebolla; M. Matt; E.M. Gálvez; L. Membrado; E. Mateos; J. Vela; M.H. Guermouche. "Gel Permeation Chromatography coupled to photodiode array-UV and induced fluorescence detection for characterizing



saturated hydrocarbons, aromatics and fuels". En: Prepr. Am. Chem. Soc., Div. of Fuel Chem.. 50 - 2, pp. 784 - 785. ACS,

- 82** **Title of the work:** Organizador y chairman del simposio
Name of the conference: Symposium on Chemistry of Fuels and Emerging Fuel Technologies
Type of participation: Organizational - Scientific and organizing committee
City of event: Washington DC, United States of America
Date of event: 29/08/2005
End date: 02/09/2005
Organising entity: American Chemical Society
V.L. Cebolla; T. Autrey.
- 83** **Title of the work:** Development of Plastic and Natural Organic Polymers Co-processing by means of Waster Utilization
Name of the conference: NATO meeting
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Saint-Avoid, France
Date of event: 15/06/2005
End date: 19/06/2005
Organising entity: NATO **Type of entity:** Organización Tratado Atlántico Norte
City organizing entity: Bruselas, Belgium
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific-technical report
J.V. Weber; V.I. Sharypov; S. Aipshtein; V.L. Cebolla. "NATO Report". En: NATO Scientific Reports.
- 84** **Title of the work:** Interest of HPTLC for fossil derived products analysis a simple approach to Hydrocarbon Group Type Analysis
Name of the conference: International HPTLC 2003 Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Lyon, France
Date of event: 15/10/2003
End date: 18/10/2003
Organising entity: Diversos sponsors **Type of entity:** Business
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
M. Matt; V.L. Cebolla; L. Membrado; Eva M. Gálvez; J. Vela; R. Bacaud. "Abstracts".
- 85** **Title of the work:** Ceremonia entrega "Richard H. Glenn Award"
Name of the conference: 225th Meeting of the American Chemical Society
City of event: New Orleans, United States of America
Date of event: 23/03/2003
End date: 27/03/2003
Organising entity: American Chemical Society
M. Matt; E.M. Gálvez; V.L. Cebolla; L. Membrado; J. Vela; R. Bacaud; S. Pessayre.



- 86** **Title of the work:** Combined use of thin-layer chromatography and gc-sulfur selective chemiluminescent detection for the evaluation of sulfur compounds and hydrocarbon classes in the course of hydrotreatment of diesel fue
Name of the conference: Symposium on "Separation Science and Technology for Fuel Applications". 224th ACS Meeting
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Boston, United States of America
Date of event: 18/08/2002
End date: 22/08/2002
Organising entity: American Chemical Society **Type of entity:** Associations and Groups
With external admission assessment committee: Yes
Type of contribution: Scientific paper
R. Bacaud; V.L. Cebolla; L. Membrado; M. Matt; S. Pessayre; E.M. Gálvez. "Combined use of thin-layer chromatography and gc-sulfur selective chemiluminescent detection for the evaluation of sulfur compounds and hydrocarbon classes in the course of hydrotreatment of diesel fue". En: Prepr. Am. Chem. Soc., Div. of Fuel Chem.. 47 - 2, pp. 695 - 696. ACS,
- 87** **Title of the work:** Quantitative determination of alkanes, naphthenes, total aromatics and heavy PACs in gas oil by normal phase HPTLC with UV and fluorescence scanning densitometry
Name of the conference: Symposium on "Separation Science and Technology for Fuel Applications", en el 224th ACS meeting
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Boston, United States of America
Date of event: 18/08/2002
End date: 22/02/2002
Organising entity: American Chemical Society **Type of entity:** Associations and Groups
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
M. Matt; E.M. Gálvez; V.L. Cebolla; L. Membrado; J. Vela; R. bacaud; S. Pessayre. "Quantitative determination of alkanes, naphthenes, total aromatics and heavy PACs in gas oil by normal phase HPTLC with UV and fluorescence scanning densitometry". En: Prepr. Am. Chem. Soc., Div. of Fuel Chem. 47 - 2, pp. 693 - 694. (United States of America): ACS,
- 88** **Title of the work:** Sci-Mix. Quantitative determination of alkanes, naphthenes, total aromatics and heavy PACs in gas oil by normal phase HPTLC with UV and fluorescence scanning densitometry
Name of the conference: 224th ACS Meeting. Symposium on "Sci-Mix"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: Boston, United States of America
Date of event: 18/08/2002
End date: 22/08/2002
Organising entity: American Chemical Society
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
M. Matt; E.M. Gálvez; V.L. Cebolla; L. Membrado; J. Vela; R. Bacaud; S. Pessayre. "Abstracts Book". (United States of America):



- 89** **Title of the work:** Organizador y chairman
Name of the conference: Separation Science and Technology for Fuel Applications
Type of participation: Organizational - Scientific and organizing committee
City of event: Boston, United States of America
Date of event: 18/08/2002
End date: 22/08/2002
Organising entity: American Chemical Society
V.L. Cebolla; B.N. Barman.
- 90** **Title of the work:** Planar Chromatography for the hydrocarbon group type analysis of petroleum middle distillates and coal-derived products
Name of the conference: Coal Structure 2002 (Fourth International symposium), Structure and reactivity of carbonaceous materials
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Gliwice, Poland
Date of event: 07/07/2002
End date: 12/07/2002
Organising entity: IEA Coal Research **Type of entity:** Business
Publication in conference proceedings: Yes
Type of contribution: Scientific paper
M. Matt; E.M. Gálvez; V.L. Cebolla; L. Membrado; J. Vela; R. Gruber. "Planar Chromatography for the hydrocarbon group type analysis of petroleum middle distillates and coal-derived products". En: Fuel Processing Technology. 77-78, pp. 245 - 253. Elsevier,
- 91** **Title of the work:** Hydrocarbon Group Type Analysis using Thin Layer Chromatography and Scanning Densitometry
Name of the conference: 3rd International Symposium on Planar Chromatography
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Balaton Lake, Hungary
Date of event: 11/05/2002
End date: 13/05/2002
Organising entity: Hungarian Academy of Sciences **Type of entity:** Public Research Body
L. Membrado; V.L. Cebolla; M. Matt; E.M. Gálvez; M.P. Domingo; J. Vela; N.G. Beregovtsova. "Abstracts".
- 92** **Title of the work:** Improved Extraction of Larix Sibirica (Larch Wood)
Name of the conference: COPERNICUS Meeting
Type of event: Workshop **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Metz, France
Date of event: 2001
Organising entity: Unión Europea **Type of entity:** Unión Europea
With external admission assessment committee: Yes
L. Membrado; J. Anadón; C. Romero; V.L. Cebolla; S.A- Kuznetsova; B.N. Kuznetsov; V.G. danilov; N.G. Beregovtsova; M. Matt; R. Gruber. "Resúmenes jornada".

- 93** **Title of the work:** A Fluorescent Chemosensor for Saturated Hydrocarbons and other Petroleum-Related Molecules. Its Application using a Chromatographic System: Berberine-Induced Fluorescence Detection
Name of the conference: Symposium on Advances in Hydrocarbon Characterization. ACS Meeting
Type of event: Conference **Geographical area:** Non EU International
Corresponding author: Yes
City of event: Washington DC, United States of America
Date of event: 20/08/2000
End date: 24/08/2000
Organising entity: American Chemical Society **Type of entity:** Associations and Groups
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
- Type of contribution:** Scientific paper
V.L. Cebolla; L. Membrado; M.P. Domingo; A. Arrieta; F.P. Cossío; J. Vela. "A Fluorescent Chemosensor for Saturated Hydrocarbons and other Petroleum-Related Molecules. Its Application using a Chromatographic System: Berberine-Induced Fluorescence Detection". En: Abstract Book. (United States of America): ACS, ISBN 0-8412-3749-2
- 94** **Title of the work:** Sensitive and Quantitative Group-Type Analysis (Alkanes-Naphthenes-Aromatics-Polars) of a Wide Range of Petroleum Products using Berberine-Induced Fluorescence Densitometry in Thin-Layer Chromatography
Name of the conference: Symposium on Advances in Hydrocarbon Characterization. 220th ACS Meeting
Type of event: Conference **Geographical area:** Non EU International
Corresponding author: Yes
City of event: Wasjington DC, United States of America
Date of event: 20/08/2000
End date: 24/08/2000
Organising entity: American Chemical Society **Type of entity:** Associations and Groups
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
- Type of contribution:** Book chapter
V.L. Cebolla; L. Membrado; M.P. Domingo; R. Garriga; E.M. Gálvez; F.P. Cossío; A. Arrieta; J. Vela. "Sensitive and Quantitative Group-Type Analysis (Alkanes-Naphthenes-Aromatics-Polars) of a Wide Range of Petroleum Products using Berberine-Induced Fluorescence Densitometry in Thin-Layer Chromatography". En: Abstracts Book. (United States of America): ISBN 0-8412-3749-2
- 95** **Title of the work:** Compositional Analysis of Heavy Products derived from Copyrolysis of Biomass and Plastics
Name of the conference: Catalytic and Thermochemical Conversions of Natural Organic Polymers
Type of event: Conference
Corresponding author: Yes
City of event: Krasnoyarsk, Russia
Date of event: 15/06/2000
End date: 19/06/2000
Organising entity: Academia Rusa de Ciencias **Type of entity:** Public Research Body
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
- V.L. Cebolla; E.M. Gálvez; L. Membrado; M.P. Martin; J. Vela; M.P. Domingo; N.G. Beregovtsova; N. Marín; V. Sharypov; J. V. Weber; B.N. Kuznetsov. "Proceedings". (Russia): Academia Rusa de Ciencias,
- 96** **Title of the work:** Chairman de una sesión
Name of the conference: 4 International Symposium on Catalytic and Thermochemical Conversions of Natural Organic Polymers



Type of event: Conference
Type of participation: Organizational -Others
City of event: Krasnoyarsk, Russia
Date of event: 10/06/2000
End date: 17/06/2000
Organising entity: Russian Academy of Sciences
City organizing entity: Novosibirsk, Russia

- 97** **Title of the work:** Miembro del comité organizador
Name of the conference: 4º International Symposium on Catalytic and Thermochemical Conversions of Natural Organic Polymers
Type of event: Conference
Type of participation: Organizational - Scientific and **Reasons for participation:** Upon invitation organizing committee
City of event: Krasnoyarsk, Russia
Date of event: 10/06/2000
End date: 17/06/2000
Organising entity: Russian Academy of Sciences
City organizing entity: Novosibirsk, Russia

- 98** **Title of the work:** Analysis of products derived from copolyolysis of biomass and polypropylene, based on Thin-Layer Chromatography with Fluorescence Scanning Densitometry
Name of the conference: COPERNICUS Meeting
Type of event: Reuniones progreso COPERNICUS **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Gliwice, Poland
Date of event: 15/01/2000
End date: 17/01/2000
Organising entity: Unión Europea
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
V.L. Cebolla; E.M. Gálvez; L. Membrado; M.P. Domingo; J. Vela; C. Romero. "Resúmenes".

- 99** **Title of the work:** Analytical methods of liquids obtained from thermal treatment of biomass residues
Name of the conference: COPERNICUS Meeting
Type of event: Workshop **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Saint Avold, France
Date of event: 1999
Organising entity: Union Europea **Type of entity:** Unión Europea
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
V.L. Cebolla; L. Membrado; J. Vela. "Resúmenes jornada".

- 100** **Title of the work:** Behaviour of the evaporative light scattering detector as mass detection for HPLC
Name of the conference: Deauville Conference 98. 6th Symposium on Analytical Sciences
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: Yes



City of event: Valencia, Spain

Date of event: 22/06/1998

End date: 24/06/1998

With external admission assessment committee: Yes

V.L. Cebolla; J. Vela; L. Membrado; A.C. Ferrando. "Abstracts del congreso".

101 Title of the work: Soxtec extraction procedures for fossil fuels as an alternative to Soxhlet extraction

Name of the conference: Deauville Conference 98. 6th Symposium on Analytical Sciences

Type of event: Conference

Geographical area: European Union

Corresponding author: No

City of event: Valencia, Spain

Date of event: 22/06/1998

End date: 24/06/1998

Publication in conference proceedings: Yes

With external admission assessment committee:

Yes

J. Vela; L. Membrado; V.L. Cebolla; A.C. Ferrando. "Abstracts del congreso".

102 Title of the work: TLC-FID in quantitative hydrocarbon group type analysis (HGTA) of asphaltene and other heavy fossil fuels

Name of the conference: Deauville Conference 98. 6th Symposium on Analytical Sciences

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Valencia, Spain

Date of event: 22/06/1998

End date: 24/06/1998

With external admission assessment committee: Yes

V.L. Cebolla; J. Vela; L. Membrado; A.C. Ferrando. "Abstracts del congreso".

103 Title of the work: Thin-Layer Chromatography with visible-ultraviolet scanning detection as alternative to TLC-FID in the HGTA of coal-derived products

Name of the conference: Deauville Conference 98. 6th Symposium on Analytical Sciences

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Valencia, Spain

Date of event: 22/06/1998

End date: 24/06/1998

Publication in conference proceedings: Yes

J. Vela; V.L. Cebolla; L. Membrado; A.C. Ferrando. "Abstracts del congreso".

104 Title of the work: Hydrogen transfer in the hydroconversion of a vacuum residue.- An analytical approach

Name of the conference: 213 th American Chemical Society National Meeting (Division of Petroleum Chemistry). "International Symposium on advances in catalysis and processes for heavy oil conversion"

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: San Francisco, United States of America

Date of event: 13/04/1997

End date: 17/04/1997

Organising entity: American Chemical Society

Type of entity: Associations and Groups



With external admission assessment committee: Yes

Type of contribution: Scientific paper

R. Bacaud; L. Rouleau; V.L. Cebolla; L. Membrado. "Hydrogen transfer in the hydroconversion of a vacuum residue.- An analytical approach". En: Prepr. Am. Chem. Soc., Div of Fuel Chem.. 42 - 2, pp. 320 - 325. (United States of America): ACS,

- 105 Title of the work:** TLC-FID in quantitative hydrocarbon group type analysis (HGTA) of asphaltenes and other heavy fossil fuels
Name of the conference: 213 th American Chemical Society National Meeting (Division of Fuel Chemistry). "Symposium on asphaltenes and resid characterization"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: San Francisco, United States of America
Date of event: 13/04/1997
End date: 17/04/1997
Organising entity: American Chemical Society **Type of entity:** Associations and Groups
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
- Type of contribution:** Scientific paper
V.L. Cebolla; J. Vela; L. Membrado; A.C. Ferrando. "TLC-FID in quantitative hydrocarbon group type analysis (HGTA) of asphaltenes and other heavy fossil fuels". En: Prepr. Am. Chem. Soc., Div of Fuel Chem. 42 - 2, pp. 431 - 435. (United States of America): ACS,

- 106 Title of the work:** Evaporative Light Scattering Detection in quantitative HPLC of PAC mixtures and coal-tar pitches
Name of the conference: 212 th American Chemical Society National Meeting (Division of Fuel Chemistry)
Type of event: Conference **Geographical area:** Non EU International
Corresponding author: Yes
City of event: Orlando, United States of America
Date of event: 25/08/1996
End date: 29/08/1996
Organising entity: American Chemical Society **Type of entity:** Associations and Groups
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
- Type of contribution:** Scientific paper
V.L. Cebolla; L. Membrado; J. Vela; A.C. Ferrando; C. Romero. "Evaporative Light Scattering Detection in quantitative HPLC of PAC mixtures and coal-tar pitches". En: Prepr. Am Chem. Soc., Div of Fuel Chem. 41 - 4, pp. 1152 - 1156. (United States of America): ACS,

- 107 Title of the work:** Quantitative Group-Type Analysis of Coal-Tar Pitches
Name of the conference: 8th International Conference on Coal Science
Type of event: Conference **Geographical area:** Non EU International
Corresponding author: Yes
City of event: Oviedo, Spain
Date of event: 10/09/1995
End date: 15/09/1995
Organising entity: IEA Coal Research **Type of entity:** Business
With external admission assessment committee: Yes
Type of contribution: Book chapter
L. Membrado; V.L. Cebolla; J. Vela. "Quantitative Group-Type Analysis of Coal-Tar Pitches". En: Coal Science. 1, pp. 957 - 960. Elsevier, ISBN 0-444-82227-5



- 108** **Title of the work:** Thin-Layer Chromatography with Flame Ionization Detection in the characterization of pitches
Name of the conference: 8th International Conference on Coal Science
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Oviedo, Spain
Date of event: 10/09/1995
End date: 15/09/1995
Organising entity: IEA Coal Research **Type of entity:** Business
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Book chapter
V.L. Cebolla; L. Membrado; J. Vela; J.M. Andrés. "Thin-Layer Chromatography with Flame Ionization Detection in the characterization of pitches". En: Coal Science. 1, pp. 953 - 956. Elsevier, ISBN 0-444-82227-5
- 109** **Title of the work:** Análisis cuantitativo de los grupos de hidrocarburos en residuos de petróleo y sus derivados de hidrocrackeo catalítico usando un sistema TLC-FID mejorado
Name of the conference: XXIII Reunión Internacional del Grupo de Cromatografía y Técnicas Afines
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Peñíscola, Spain
Date of event: 1994
Organising entity: SECyTA **Type of entity:** Associations and Groups
Publication in conference proceedings: Yes
J. Vela; V.L. Cebolla; L. Membrado; J.M. Andrés. "Proceedings del congreso".
- 110** **Title of the work:** Effect of a sulfided, non-porous aerosol Fe₂O₃ catalyst on the chemical structure of coal liquids from the hydroliquefaction of a highly volatile bituminous coal
Name of the conference: 205 th American Chemical Society Meeting (Division of Fuel Chemistry). "Meeting on iron-based catalysts for coal liquefaction"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Denver, United States of America
Date of event: 28/03/1993
End date: 02/04/1993
Organising entity: American Chemical Society **Type of entity:** Associations and Groups
City organizing entity: Zaragoza, Spain
Publication in conference proceedings: Yes
Type of contribution: Scientific paper
V.L. Cebolla; M. Diack; M. Oberson; R. Bacaud; D.Ccagniant; B. Nickel. "Effect of a sulfided, non-porous aerosol Fe₂O₃ catalyst on the chemical structure of coal liquids from the hydroliquefaction of a highly volatile bituminous coal". En: Preprints AmChem Soc, Fuel Division. 38 - 1, pp. 72 - 79. (United States of America): ISBN 0-8412-2619-9
- 111** **Title of the work:** Analysis of coal-tar pitches: standardisation of the experimental conditions of extrography
Name of the conference: Coal Structure'92
Type of event: Conference **Geographical area:** Non EU International



Corresponding author: Yes

City of event: Cracovia, Poland

Date of event: 21/09/1992

End date: 23/09/1992

Organising entity: Polish Academy of Science /
CNRS

Type of entity: Public Research Body

Publication in conference proceedings: Yes

V.L. Cebolla; M. Granda; R. Menéndez; A. Krzton; M. Swistek; J.V. Weber; J. Wolszczak. "Analysis of coal-tar pitches: standardisation of the experimental conditions of extrography". En: Fuel. 73, pp. 950 - 956.

112 Title of the work: Effect of inherent mineral matter and additives on hydrogenation of Spanish coals

Name of the conference: 1991 International Conference on Coal Science

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Newcastle-Upon-Tyne,

Date of event: 16/09/1991

End date: 20/09/1991

Organising entity: University of
Newcastle-Upon-Tyne

Type of entity: University

City organizing entity: ew, United Kingdom

Publication in conference proceedings: Yes

J.L. Miranda; R. Juan; M.T. Martínez; V.L. Cebolla; I. Fernández. "Proceedings".

113 Title of the work: Upgrading of liquids from direct coal liquefaction

Name of the conference: 1991 International Conference on Coal Science

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Newcastle-Upon-Tyne, United Kingdom

Date of event: 16/09/1991

End date: 20/09/1991

Organising entity: University of
Newcastle-Upon-Tyne

Type of entity: University

Publication in conference proceedings: Yes

M.T. Martínez; I. Fernández; A. Benito; V.L. Cebolla; J.L. Miranda. "Proceedings".

114 Title of the work: Hydrogenation of Spanish Lignites and their derived Vitrinite Concentrates

Name of the conference: Coal Structure and Reactivity.-Chemical, Physical and Petrographic Aspects

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Cambridge, United Kingdom

Date of event: 05/09/1990

End date: 07/09/1990

Organising entity: IEA Coal Research

Type of entity: Organismo Internacional

City organizing entity: oondon, United Kingdom

Publication in conference proceedings: Yes

V.L. Cebolla; M.T. Martínez; J.L. Miranda; I. Fernández; A. Benito. "Abstracts booklet".



- 115** **Title of the work:** Optimization of the Hydrotreating Conditions for Liquids from Coal
Name of the conference: Coal Structure and Reactivity.- Chemical, Physical and Petrographic Aspects
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Cambridge, United Kingdom
Date of event: 05/09/1990
End date: 07/09/1990
Organising entity: IEA Coal Research **Type of entity:** Organismo Internacional
City organizing entity: London, United Kingdom
I. Fernández; M.T. Martínez; V.L. Cebolla; J.L. Miranda; A. Benito. "Abstracts booklet".
- 116** **Title of the work:** Two-Stages Liquefaction of a Spanish Lignite
Name of the conference: Coal Structure and Reactivity.- Chemical, Physical and Petrographic Aspects
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Cambridge, United Kingdom
Date of event: 05/09/1990
End date: 07/09/1990
Organising entity: IEA Coal Research **Type of entity:** Organismo Internacional
City organizing entity: London, United Kingdom
Publication in conference proceedings: Yes
M.T. Martínez; H.H. Oelert; J.L. Miranda; I. Fernández; V.L. Cebolla; A. Benito. "Abstracts booklet".
- 117** **Title of the work:** Two-Step Hydrotreating of Coal derived distillates
Name of the conference: Coal Structure and Reactivity.- Chemical, Physical and Petrographic Aspects
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Cambridge, United Kingdom
Date of event: 05/09/1990
End date: 07/09/1990
Organising entity: IEA Coal Research **Type of entity:** Organismo Internacional
City organizing entity: London, United Kingdom
Publication in conference proceedings: Yes
A. Benito; M.T. Martínez; V.L. Cebolla; I. Fernández; J.L. Miranda. "Abstracts booklet".
- 118** **Title of the work:** Effect of Mineral Additives and a Catalyst on the Hydrogenation of Coals from Aragon Basins
Name of the conference: 5th Mediterranean Congress on Chemical Engineering
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Barcelona, Spain
Date of event: 1990
J.L. Miranda; E. Gargallo; R. Juan; M.T. Martínez; V.L. Cebolla; I. Fernández. "Resúmenes del congreso (vol II)".



- 119** **Title of the work:** Hydroliquefaction of Spanish Lignite: Nature of the derived Liquids. Effect of Petrographic Composition and Reactivity of Isolated Vitrinites
Name of the conference: 5th Mediterranean Congress on Chemical Engineering
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Barcelona, Spain
Date of event: 1990
V.L. Cebolla; M.T. Martínez; J.L. Miranda; A. Benito; I. Fernández. "Resúmenes del congreso (Vol II)".
- 120** **Title of the work:** Transportation Fuels from Two-stage Coal Liquefaction
Name of the conference: Advanced Transport Fuels
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Palermo, Italy
Date of event: 1990
Organising entity: CEE **Type of entity:** Comunidad Económica Europea
Publication in conference proceedings: Yes
Type of contribution: Scientific paper
A. Benito; V.L. Cebolla; I. Fernández; M.T. Martínez; J.L. Miranda; J.G.G. Prado; H.H. Oelert.
"Transportation Fuels from Two-stage Coal Liquefaction". En: International Journal of Energy Research.
- 121** **Title of the work:** Two-Stage Coal Liquefaction
Name of the conference: 5th Mediterranean Congress on Chemical Engineering
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: No
City of event: Barcelona, Spain
Date of event: 1990
M.T. Martínez; I. Fernández; V.L. Cebolla; A. Benito; J.L. Miranda; H.H. Oelert. "Resúmenes del congreso (vol II)".
- 122** **Title of the work:** Influence des supports et de la sequence de solvants sur les résultats d'extrographie d'un brais de charbon
Name of the conference: Journées du Groupe "Chimie des Materiaux Carbonés
Type of event: Workshop
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Metz, France
Date of event: 1990
Organising entity: Université de Metz **Type of entity:** University
City organizing entity: Metz, France
Publication in conference proceedings: Yes
V.L. Cebolla. "Influence des supports et de la sequence de solvants sur les résultats d'extrographie d'un brais de charbon".
- 123** **Title of the work:** Efecto de la composición maceral y azufre en la licuefacción de carbones aragoneses
Name of the conference: 9 Conferencia sobre Planificación, Ahorro y Alternativas Energéticas
Type of event: Conference
Type of participation: Participatory - oral communication



Corresponding author: Yes

City of event: Zaragoza, Spain

Date of event: 1989

Organising entity: Feria de Muestras de Zaragoza **Type of entity:** Business

Publication in conference proceedings: Yes

V.L. Cebolla; M.T. Martínez; J.L. Miranda; I. Fernández. "Resúmenes congreso".

- 124** **Title of the work:** Efecto de la materia mineral en la hidrogenación de carbones aragoneses
Name of the conference: 9 Conferencia sobre Planificación, Ahorro y Alternativas Energéticas
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Zaragoza, Spain
Date of event: 1989
Organising entity: Feria de Muestras de Zaragoza **Type of entity:** Business
Publication in conference proceedings: Yes
J.L. Miranda; F. Aguilar; R. Juan; M.T. Martínez; V.L. Cebolla. "Resúmenes congreso".

- 125** **Title of the work:** New Small Granulometry Catalysts and New Methodologies to Study the Direct Liquefaction of Coal
Name of the conference: Progress in Synthetic Fuels
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Saarbrücken, Germany
Date of event: 1988
Organising entity: CE **Type of entity:** Comunidad Europea
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Book chapter
R. Bacaud; M. Besson; D. Brodzki; P. Bussièrè; D. Cagniant; V.L. Cebolla; H. Charcosset; G. Djega-Mariadassou; M. Jamond; B. Nickel; M. Oberson. "Progress in Synthetic Fuels". En: Progress in Synthetic Fuels. (Belgium): Graham & Trotman, 1988. ISBN 1-85333-161-9

- 126** **Title of the work:** Relações entre as propriedades físico-químicas e catalíticas de catalisadores a base de ferro para hidroliquefação do carvão
Name of the conference: 4º Seminário Brasileiro de Catálise
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Rio de Janeiro, Brazil
Date of event: 1987
Publication in conference proceedings: Yes
M. Besson; R. Bacaud; M. Oberson; P. Bussièrè; H. Charcosset; D. Brodzki; G. Djega-Mariadassou; D. Cagniant; V.L. Cebolla; B. Nickel; A. Jeunet; J. Kister; D. Nicole; P. Tekely. "Abstracts del congreso".

- 127** **Title of the work:** Comparaison d'hydroliquéfiats obtenus à 400°C avec catalyseur de type différent
Name of the conference: Réunion inter-laboratoires du GRECO Hydroconversion et Pyrolyse du Charbon
Type of event: Workshop
Type of participation: Participatory - oral communication
Corresponding author: Yes



City of event: Lyon, France

Date of event: 1986

Organising entity: CNRS

Type of entity: Public Research Body

Publication in conference proceedings: Yes

V.L. Cebolla. "Resúmenes reunión".

- 128** **Title of the work:** Catalytic hydroliquefaction of coal: about the methodology in batch experiments
Name of the conference: First French-American (CNRS-NSF) meeting on Catalysis of coal hydrogenation
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Marseille, France
Date of event: 1985
Organising entity: CNRS-NSF **Type of entity:** Public Research Body
Publication in conference proceedings: Yes
Type of contribution: Scientific paper
H. Charcosset; M. Besson; R. Bacaud; V.L. Cebolla; M. Oberson. "Catalytic hydroliquefaction of coal: about the methodology in batch experiments". En: Fuel Processing Technology. 12, pp. 91 - 100. Elsevier, 1985.

- 129** **Title of the work:** Catalyzed chemistry depolymerization of a lignite. Nature of the degradation products
Name of the conference: 1985 International Conference on Coal Science
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Sydney, Australia
Date of event: 1985
Organising entity: International Energy Agency **Type of entity:** Agencia Internacional de la Energía
Publication in conference proceedings: Yes
A.M. Mastral; L. Membrado; B. Rubio; V.L. Cebolla; C. Nicolás. "Proceedings del congreso".

- 130** **Title of the work:** Contribution aux mécanismes de l'hydroliquefaction du charbon assistée par catalyseur
Name of the conference: Réunion Annuelle du GRECO Hydroconversion et Pyrolyse du Charbon
Type of event: Workshop
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Orléans, France
Date of event: 1985
Organising entity: CNRS **Type of entity:** Public Research Body
City organizing entity: Paris, France
Publication in conference proceedings: Yes
R. Bacaud; M. Besson; V.L. Cebolla; M. Oberson; H. Charcosset. "Abstracts de la reunión".

- 131** **Title of the work:** Cromatografía de adsorción aplicada al fraccionamiento de bitumen
Name of the conference: XX Reunión Bienal de la Real Sociedad Española de Química
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Castellón, Spain
Date of event: 1984
Organising entity: Real Sociedad Española de Química **Type of entity:** Sociedad profesional

**Publication in conference proceedings:** Yes

J.M. Gavilán; B. Rubio; V.L. Cebolla; L. Membrado; A.M. Mastral. "Resúmenes del congreso".

- 132** **Title of the work:** Despolimerización Catalítica de un lignito con éteres aromáticos
Name of the conference: XX Reunión Bienal de la Real Sociedad Española de Química
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Castellón, Spain
Date of event: 1984
Organising entity: Real Sociedad Española de Química **Type of entity:** Sociedad profesional
City organizing entity: Castellón, Spain
Publication in conference proceedings: Yes
B. Rubio; L. Membrado; Vicente L. Cebolla; A.M. Mastral. "Abstracts del congreso".
- 133** **Title of the work:** Lignite solubilization in mild conditions
Name of the conference: 3rd Mediterranean Congress on Chemical Engineering
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Barcelona, Spain
Date of event: 1984
Organising entity: ANQUE **Type of entity:** Sociedad profesional
A.M. Mastral; L. Membrado; B. Rubio; V.L. Cebolla; C. Nicolás. "Abstracts congreso".
- 134** **Title of the work:** FTIR and proton spectra of oils from a lignite
Name of the conference: NATO, Advanced Study Institute, Applications of new spectroscopic techniques to coal science
Type of event: Seminar
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Antigonish, Canada
Date of event: 1984
Organising entity: NATO **Type of entity:** OTAN
City organizing entity: Bruselas, Belgium
Vicente Luis Cebolla Burillo; Ana María Mastral Lamarca; Luis Membrado Giner; Begoña Rubio Villa. "Proceedings del congreso".
- 135** **Title of the work:** Aislamiento y caracterización de la fracción aromática de los aceites de lignito
Name of the conference: XX Reunión Bienal de la Real Sociedad Española de Química
Type of participation: 'Participatory - poster
City of event: Castellón, Spain
Date of event: 1984
Organising entity: Real Sociedad Española de Química **Type of entity:** Sociedad profesional
Publication in conference proceedings: Yes
A.M. Mastral; B. Rubio; L. Membrado; V.L. Cebolla.



- 136** **Title of the work:** Estudio por RMN de 1H de los líquidos derivados del carbón obtenidos por despolimerización catalizada
Name of the conference: IX Reunión Nacional de Espectroscopía. Congreso Ibérico de Espectroscopía
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Salamanca, Spain
Date of event: 1983
Organising entity: Real Sociedad Española de Química **Type of entity:** Sociedad profesional
City organizing entity: Salamanca, Spain
Publication in conference proceedings: Yes
Ana María Mastral Lamarca; Vicente Luis Cebolla Burillo. "Abstracts del congreso".

Other dissemination activities

- 1** **Title of the work:** Autoridad, confianza y verdad de la ciencia
Name of the event: Ateneo de Zaragoza
Type of event: Conferences given
Corresponding author: Yes
City of event: Zaragoza, Aragon, Spain
Date of event: 14/06/2012
Organising entity: Ateneo de Zaragoza
City organizing entity: Zaragoza, Aragon, Spain
Vicente Luis Cebolla Burillo. "Autoridad, confianza y verdad de la ciencia".
- 2** **Title of the work:** Fluorescencia molecular: explorando lo brillante para ver lo invisible
Name of the event: Ateneo de Zaragoza
Type of event: Conferences given
Corresponding author: Yes
City of event: Zaragoza, Aragon, Spain
Date of event: 10/02/2011
Organising entity: Ateneo de Zaragoza
City organizing entity: Zaragoza, Aragon, Spain
Vicente Luis Cebolla Burillo. "Fluorescencia molecular: explorando lo brillante para ver lo invisible".



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CURRÍCULUM VITAE NORMALIZADO

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R&D management and participation in scientific committees

National and international forums and committees

Name of the forum: Comisión Académica Programa Doctorado Ciencia Analítica

Organising entity: Universidad de Zaragoza **Type of entity:** University

City organizing entity: Zaragoza, Spain

Represented entity: Investigadores externos a la Universidad de Zaragoza

Start-End date: 2013 - 2017

Evaluation and revision of R&D projects and articles

- 1 Name of the activity:** Applied Energy
Performed tasks: Referee (evaluador artículos)
Entity where activity was carried out: Applied Energy (Elsevier)
Type of activity: Review of articles in scientific or technological journals
- 2 Name of the activity:** Chemistry Select
Performed tasks: Referee (evaluador artículos)
Entity where activity was carried out: Chemistry Select (Wiley)
- 3 Name of the activity:** Energy & Fuels
Performed tasks: Referee (evaluador artículos)
Entity where activity was carried out: Energy & Fuels (ACS)
- 4 Name of the activity:** Green Chemistry
Performed tasks: Referee (evaluador artículos)
Entity where activity was carried out: Green Chemistry (Royal Society of Chemistry)
- 5 Name of the activity:** Journal of Analytical Methods in Chemistry
Performed tasks: Referee (evaluador artículos)
Entity where activity was carried out: Journal of Analytical Methods in Chemistry (Hindawi)
- 6 Name of the activity:** Journal of Chromatography A
Performed tasks: Referee (evaluador artículos)
Entity where activity was carried out: Journal of Chromatography A (Elsevier)
- 7 Name of the activity:** Journal of Planar Chromatography
Performed tasks: Referee (evaluador artículos)
Entity where activity was carried out: Journal of Planar Chromatography (Akademiai Kiado)
- 8 Name of the activity:** Scientia Pharmaceutica
Performed tasks: Referee (evaluador artículos)
Entity where activity was carried out: Scientia Pharmaceutica (MDPI)



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CURRÍCULUM VITAE NORMALIZADO

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- 9 Name of the activity:** Journal of Agricultural and Food Chemistry
Performed tasks: Referee (evaluador)
Entity where activity was carried out: Journal of Agricultural and Food Chemistry (ACS)

Other achievements

Stays in public or private R&D centres

- 1 Entity:** INSTITUT DE RECHERCHES SUR LA CATALYSE, CNRS **Type of entity:** Public Research Body
City of entity: Villeurbanne, France
Start-End date: 1985 - 1987 **Duration:** 1 year - 3 months
Funding entity: MINISTERIO DE EDUCACION Y CIENCIA
Name of programme: FPI-MRT
Goals of the stay: Doctorate
Provable tasks: Trabajos conducentes a la obtención del doctorado
- 2 Entity:** LABORATOIRE DE CARBOCHIMIE ET DE SYNTHÈSE ORGANIQUE, UNIVERSITÉ DE METZ-CNRS
City of entity: Metz, France
Start-End date: 1985 - 1987 **Duration:** 1 year - 3 months
Funding entity: MINISTERIO DE EDUCACION Y CIENCIA
Name of programme: FPI-MRT
Goals of the stay: Doctorate
Provable tasks: Trabajos conducentes a la obtención del doctorado
- 3 Entity:** LABORATOIRE DE THERMODYNAMIQUE ET D'ANALYSE CHIMIQUE, UNIVERSITÉ DE METZ **Type of entity:** Public Research Body
Faculty, institute or centre: Faculté des Sciences, Université de Metz
City of entity: Metz, France
Start date: 2002 **Duration:** 1 month
Funding entity: Université de Metz
Name of programme: Contratación investigadores visitantes por Universidad de Metz
Goals of the stay: Guest
Provable tasks: Investigador visitante
Relevant results: Establecimiento colaboracion científica

Scientific societies and professional associations

- 1 Name of the society:** HPTLC ASSOCIATION
City affiliation entity: Rheinfelden, Switzerland
Start date: 29/01/2019
- 2 Name of the society:** AMERICAN CHEMICAL SOCIETY
City affiliation entity: United States of America
Start date: 1993

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CURRÍCULUM VITAE NORMALIZADO

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Editorial councils

Name of the editorial council: Editorial Board of Siberian Federal University Journal (SibFU Journal)

Affiliation entity: Siberian Federal University

City affiliation entity: Krasnoyarsk Krasnoyarsk, Russia

Start date: 2007

Duration: 12 years

Prizes, mentions and distinctions

Description: Premio "Richard H. Glenn" American Chemical Society (Division of Fuel Chemistry)

Awarding entity: American Chemical Society

City awarding entity: Boston, United States of America

Conferral date: 2002

Periods of research activity

Nº of recognized periods: 5

Certifying entity: Ministerio de Ciencia e Innovación **Type of entity:** Ministerio

Date of recognition: 2018