



**Agustin Etxeberria Lizarraga**

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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.

My teaching career began in 1992 as an associate professor, occupying the position of Associate professor on 21/01/2002 in the Departments of Polymer Science and Technology and Advanced Polymers and Materials: Physics, Chemistry and Technology in the Physical Chemistry area of knowledge. My teaching work has been developed in many subjects, both in the speciality of Macromolecules and in more classical subjects within the Physical Chemistry: Thermodynamics and Chemical kinetic. In Masters I have taught topics related to miscibility and polymer characterization by NMR.

I obtained my Ph. D. in 1993. The main objective was to develop a method to determine a reliable value of the polymer-polymer interaction parameter, a crucial quantity to elucidate the miscibility in polymer mixtures, a milestone that was resolved in 10.1021/ma992173i. Several aspects related to the miscibility are still present in my current research but gradually my main interest went to the study of the transport properties of gases and vapors in polymeric materials (10.1021/acs.macromol.8b00833, 10.1021/ma902247y), focusing currently in biodegradable polymers and more recently in fully chemically recyclable polymers (10.1038/s41467-019-11525-x). Finally, in the last 10 years my research has also focused on the chemical characterization of polymers by NMR (10.1021/jacs.6b13080, 10.1021/acs.macromol.9b01110 and 10.1021/acssuschemeng.9b00443).

I have developed this research work in the three groups led by Lourdes Irusta, before J.J. Iruin, J.R. Sarasua and Haritz Sardon, respectively. I am a member of the POLYMAT. Since 01/07/2008 I am a scientific advisor to the S.G.I. "Characterization of Polymers" that offers services of Transmission Electron Microscopy and preparation of samples by various microtomies.

Related to administration charges, since August 2009 until April 2017 I was the secretary of the Polymer Science and Technology Department and then the Head until August 2020. From December 2020 I am the Head of Advanced Polymers and Materials: Physics, Chemistry and Tecnology Department. The UNIBASQ agency has evaluated my teaching, research and management activity with a rating of 97.1/100 as of 08/10/2016.

## General quality indicators of scientific research

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

My scientific activity is summarized in 103 scientific articles in international journals (65 located in the first quartile), 4 chapters of book and an article of disclosure. I have participated in 81 international and national conferences with oral and written communications. I have supervised 4 Doctoral Theses, one from 2009.

I have taken part in 36 research projects, 19 of them into force since 2009, obtained in competitive calls of autonomic, state and European, 3 in non-competitive calls and a project with a company. In most of them, my participation has been to be part of the research team being a principal investigator in 5 of them.

At February 22, 2021 my articles, according to web of Science, have received above 1600 citations. In the last 5 years the citation's average is of 200 per year. Finally, my h-index is 22 (h10-index is 70 according to Google Scholar). Currently, I have recognized 5 terms of six-years of research (2012-2017, 2018/06/06) and one six-years of knowledge transfer (2020/04/15).

## Agustin Etxeberria Lizarraga

Surname(s): **Etxeberria Lizarraga**  
Name: **Agustin**  
DNI: **72434443Z**  
ORCID: **0000-0001-6836-4685**  
ScopusID: **6701836611**  
Date of birth: **12/10/1963**  
Gender: **Male**  
Nationality: **Spain**  
Country of birth: **Spain**  
Aut. region/reg. of birth: **Basque Country**  
Contact province: **Gipuzkoa**  
City of birth: **Lazkao**  
Contact address: **M. de Lardizabal**  
Rest of contact address: **3**  
Postcode: **20018**  
Contact country: **Spain**  
Contact aut. region/reg.: **Basque Country**  
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### Current professional situation

**Employing entity:** EHU/UPV

**Type of entity:** University

**Department:** Polymer and Advanced Materials: Physics, Chemistry and Technology, Ciencias Químicas

**Professional category:** Profesor Titular de Universidad

**Start date:** 21/02/2002

**Type of contract:** Civil servant

**Dedication regime:** Full time

**Primary (UNESCO code):** 230400 - Macromolecular chemistry

**Performed tasks:** Además de la actividad docente e investigadora habitual, He sido secretario del Departamento desde agosto de 2009 hasta abril de 2017. Desde esta fecha hasta el 31/09/2020 Director de Departamento y nuevamente desde el 29 de noviembre de 2020 hasta la actualidad. Asesor científico del Servicio General de Investigación SGIker "Caracterización de Polímeros-Microscopía Electrónica" desde junio del 2008.

**Identify key words:** Thermodynamics; Nuclear magnetic resonance

### Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad del País Vasco	Profesor Titular Interino F. Química (SS)	21/10/1999
2	Universidad del País Vasco	Profesor Asociado F. Química (SS)	25/11/1992

	Employing entity	Professional category	Start date
3	Universidad del País Vasco	Becario FPI MEC	01/01/1989
4	Universidad del País Vasco	Becario FPI Gobierno Vasco	01/10/1987

- 1** **Employing entity:** Universidad del País Vasco **Type of entity:** University  
**Professional category:** Profesor Titular Interino F. Química (SS)  
**Start-End date:** 21/10/1999 - 20/01/2002 **Duration:** 2 years - 3 months
- 2** **Employing entity:** Universidad del País Vasco **Type of entity:** University  
**Professional category:** Profesor Asociado F. Química (SS)  
**Start-End date:** 25/11/1992 - 20/10/1999 **Duration:** 6 years - 10 months - 25 days
- 3** **Employing entity:** Universidad del País Vasco **Type of entity:** University  
**Professional category:** Becario FPI MEC  
**Start-End date:** 01/01/1989 - 24/11/1992 **Duration:** 3 years - 10 months - 24 days
- 4** **Employing entity:** Universidad del País Vasco **Type of entity:** University  
**Professional category:** Becario FPI Gobierno Vasco  
**Start-End date:** 01/10/1987 - 31/12/1988 **Duration:** 1 year - 3 months



## Education

### University education

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

- 1 **Name of qualification:** Grado de Licenciado en C. Químicas  
**Degree awarding entity:** UPV/EHU  
**Date of qualification:** 06/1989
- 2 **Name of qualification:** Licenciado en C. Químicas  
**Degree awarding entity:** UPV/EHU  
**Date of qualification:** 06/1987  
**Type of entity:** University

#### Doctorates

**Doctorate programme:** Doctorado en C. Químicas  
**Degree awarding entity:** UPV/EHU  
**Date of degree:** 06/1993

### Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	B1	B2	B1	B1	B1
English	B1	B2	B1	B1	B2

## Teaching experience

### General teaching experience

- 1 **Name of the course:** Química Física I  
**Type of subject:** Obligatory  
**University degree:** Grado en Químicas  
**Course given:** 2  
**Start date:** 01/09/2011  
**End date:** 30/07/2019  
**Entity:** UPV/EHU  
**Subject language:** Basque
- 2 **Name of the course:** Metodología experimental en Química  
**Type of subject:** Obligatory  
**University degree:** Grado en Químicas  
**Course given:** 1



**Start date:** 01/09/2010

**End date:** 30/07/2019

**Entity:** UPV/EHU

**Subject language:** Basque

**3 Name of the course:** Introducción a las macromoléculas

**Type of subject:** Optional

**University degree:** Licenciado en Químicas

**Course given:** 2

**Start date:** 01/10/2004

**End date:** 30/09/2016

**Entity:** UPV/EHU

**Subject language:** Basque

**4 Name of the course:** Técnicas avanzadas de caracterización de Polímeros30/09/2016

**Type of programme:** Master's degree

**University degree:** Master Química y Polímeros

**Start date:** 01/09/2014

**End date:** 30/07/2016

**Entity:** UPV/EHU

**5 Name of the course:** Experimentación en Química Física I

**Type of subject:** Obligatory

**University degree:** Grado en Químicas

**Course given:** 2

**Start date:** 01/09/2011

**End date:** 30/07/2014

**Entity:** UPV/EHU

**Subject language:** Basque

**6 Name of the course:** Métodos de Identificación y Análisis de Polímeros

**Type of subject:** Optional

**University degree:** Licenciado en Químicas

**Course given:** 5

**Start date:** 01/10/2012

**End date:** 30/09/2013

**Entity:** UPV/EHU

**Subject language:** Basque

**7 Name of the course:** Métodos de Identificación y Análisis de Polímeros

**Type of subject:** Optional

**University degree:** Licenciado en Químicas

**Course given:** 5

**Start date:** 01/10/2011

**End date:** 30/09/2012

**Entity:** UPV/EHU

**Subject language:** Spanish

**8 Name of the course:** Química Física I

**Type of subject:** Obligatory

**University degree:** Licenciado en Químicas

**Course given:** 2

**Start date:** 01/10/2010

**End date:** 30/09/2011

**Entity:** UPV/EHU

**Subject language:** Basque



- 9** **Name of the course:** Reciclado  
**Type of subject:** Modular  
**University degree:** Licenciado en Químicas  
**Start date:** 01/10/2006 **End date:** 30/09/2011  
**Entity:** UPV/EHU  
**Subject language:** Basque
- 10** **Name of the course:** Introducción a la experimentación en química y a las técnicas instrumentales en Química Física I  
**Type of subject:** Obligatory  
**University degree:** Licenciado en Químicas  
**Course given:** 1  
**Start date:** 01/10/2007 **End date:** 30/09/2010  
**Entity:** UPV/EHU  
**Subject language:** Basque
- 11** **Name of the course:** Métodos de Identificación y Análisis de Polímeros  
**Type of subject:** Optional  
**University degree:** Licenciado en Químicas  
**Course given:** 5  
**Start date:** 01/10/2007 **End date:** 30/09/2010  
**Entity:** UPV/EHU  
**Subject language:** Basque
- 12** **Name of the course:** Métodos de Identificación y Análisis de Polímeros  
**Type of subject:** Optional  
**University degree:** Licenciado en Químicas  
**Course given:** 5  
**Start date:** 01/10/2007 **End date:** 30/09/2010  
**Entity:** UPV/EHU  
**Subject language:** Spanish
- 13** **Name of the course:** Fundamentos de Química Física  
**Type of subject:** Obligatory  
**University degree:** Licenciado en Químicas  
**Course given:** 1  
**Start date:** 01/10/2004 **End date:** 30/09/2010  
**Entity:** UPV/EHU  
**Subject language:** Basque
- 14** **Name of the course:** Experimentación en Ciencia de Polímeros  
**Type of subject:** Optional  
**University degree:** Licenciado en Químicas  
**Course given:** 5  
**Start date:** 01/10/2007 **End date:** 30/09/2009  
**Entity:** UPV/EHU  
**Subject language:** Basque
- 15** **Name of the course:** Introducción a las mezclas de polímeros  
**Type of programme:** Doctorate  
**University degree:** Programa de Doctorado Interuniversitario Materiales Poliméricos (MATPOL)



**Start date:** 01/10/2004**End date:** 30/09/2007**Entity:** Universidad Nacional de Educación a Distancia**Type of entity:** University**16 Name of the course:** Métodos de Identificación y Análisis de Polímeros**Type of subject:** Obligatory**University degree:** Licenciado en Ciencias Químicas**Course given:** 4**Start date:** 01/10/1992**End date:** 30/09/2006**Entity:** UPV/EHU**Subject language:** Spanish**17 Name of the course:** Aplicación de la espectroscopia IR al análisis de polímeros**Type of programme:** Doctorate**University degree:** Programa de Doctorado Química aplicada y materiales poliméricos**Start date:** 01/10/2003**End date:** 30/09/2004**Entity:** UPV/EHU**18 Name of the course:** Termodinámica Química**Type of subject:** Obligatory**University degree:** Licenciado en Ciencias Químicas**Course given:** 2**Start date:** 01/10/2003**End date:** 30/09/2004**Entity:** UPV/EHU**Subject language:** Basque**19 Name of the course:** Aplicación de la espectroscopia IR al análisis de polímeros**Type of programme:** Doctorate**University degree:** Programa de Doctorado Química aplicada y materiales poliméricos**Start date:** 01/10/2001**End date:** 30/09/2002**Entity:** UPV/EHU**20 Name of the course:** Termodinámica Química**Type of subject:** Obligatory**University degree:** Licenciado en Ciencias Químicas**Course given:** 2**Start date:** 01/10/1998**End date:** 30/09/2001**Entity:** UPV/EHU**Subject language:** Basque**21 Name of the course:** Aplicación de la espectroscopia IR al análisis de polímeros**Type of programme:** Doctorate**University degree:** Programa de Doctorado Química aplicada y materiales poliméricos**Start date:** 01/10/1999**End date:** 30/09/2000**Entity:** UPV/EHU**22 Name of the course:** Introducción a las mezclas de polímeros**Type of programme:** Doctorate**University degree:** Programa de Doctorado Materiales poliméricos**Start date:** 01/10/1998**End date:** 30/09/1999**Entity:** UPV/EHU



- 23** **Name of the course:** Fisicoquímica Macromolecular  
**Type of subject:** Obligatory  
**University degree:** Licenciado en Ciencias Químicas  
**Course given:** 4  
**Start date:** 01/10/1997 **End date:** 30/09/1998  
**Entity:** UPV/EHU  
**Subject language:** Basque
- 24** **Name of the course:** Introducción a las mezclas de polímeros  
**Type of programme:** Doctorate  
**University degree:** Programa de Doctorado Materiales poliméricos  
**Start date:** 01/10/1996 **End date:** 30/09/1997  
**Entity:** UPV/EHU
- 25** **Name of the course:** Degradación y Estabilización de Polímeros I  
**Type of subject:** Optional  
**University degree:** Licenciado en Ciencias Químicas  
**Course given:** 4  
**Start date:** 01/10/1992 **End date:** 30/09/1996  
**Entity:** UPV/EHU  
**Subject language:** Spanish
- 26** **Type of teaching:** Unofficial teaching  
**Name of the course:** Análisis de Polímeros  
**Type of programme:** Master  
**University degree:** European Master Degree in Polymers, Polymer processing and product manufacture  
**Start date:** 01/10/1993 **End date:** 30/09/1994  
**Entity:** UPV/EHU

## Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Towards sustainable polymer packaging materials: from biodegradable to chemically recyclable polymers/Ontziratzerako material polimeriko jasangarrien garapena: polimero biodegradagarriak eta kimikoki birziklagarriak  
**Type of project:** Doctoral thesis  
**Entity:** UPV/EHU Facultad / Escuela: Química (SS) **Type of entity:** University  
**Student:** Ainara Sangroniz Agudo  
**Obtained qualification:** Sobresaliente Cum Laude  
**Date of reading:** 09/01/2020  
**European doctorate:** Yes  
**Quality recognition:** Yes
- 2** **Project title:** Biodegradable poly(ethylene brassylate-co- $\delta$ -valerolactone) copolymers for packaging applications: synthesis, characterization and transport properties  
**Type of project:** End of course project  
**Entity:** UPV/EHU Master Química y Polímeros  
**Student:** Laura Rubio Emazabel  
**Date of reading:** 30/09/2019



- 3** **Project title:** Poli (azido laktiko-ko-delta-balerolaktona) kopolimeroak: Sintesia, karakterizazioa, garraio propietateak eta propietate mekanikoak  
**Type of project:** End of course project  
**Entity:** UPV/EHUFacultad / Escuela: Química (SS) Grado en Química  
**Student:** Cristina Iriarte Arteché  
**Obtained qualification:** Notable  
**Date of reading:** 17/09/2019
- 4** **Project title:** Kopolimero biodegradagarrien sintesia, karakterizazioa eta haien hesi-izaeraren eta propietate mekanikoen azterketa  
**Type of project:** End of course project  
**Entity:** UPV/EHUFacultad / Escuela: Química (SS) Grado en Química  
**Student:** Luxia del Barrio Lizarazu  
**Obtained qualification:** Notable  
**Date of reading:** 17/07/2019
- 5** **Project title:** Estudio de los envases alimentarios comerciales  
**Type of project:** End of course project  
**Entity:** UPV/EHUFacultad / Escuela: Química (SS) Grado en Química  
**Student:** Maider Sangroniz Agudo  
**Obtained qualification:** Notable  
**Date of reading:** 20/07/2018
- 6** **Project title:** Poli(azido laktiko-ko-e-kaprolaktona) kopolimeroak: sintesia, karakterizazio eta garraio propietateak  
**Type of project:** End of course project  
**Entity:** UPV/EHUFacultad / Escuela: Química (SS) Grado en Química  
**Student:** Laura Rubio Emazabel  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 20/07/2018
- 7** **Project title:** Synthesis of Water-Dispersible Isocyanate-Free Poly(hydroxyurethane)s from 5- and 8-Membered Cyclic Carbonates Using the Acetone Process  
**Type of project:** End of course project  
**Entity:** UPV/EHUFacultad / Escuela: Química (SS) Grado en Química  
**Student:** Jon Olazabal Lorea  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 17/07/2018
- 8** **Project title:** Polilaktidaren sintesia eta PLA/PPG nahastearen permeabilitatea  
**Type of project:** End of course project  
**Entity:** UPV/EHUFacultad / Escuela: Química (SS) Grado en Química  
**Student:** Jone Herrero Zubillaga  
**Obtained qualification:** Notable  
**Date of reading:** 11/10/2017
- 9** **Project title:** Synthesis and characterisation of innovative polyesteramides using organocatalysis  
**Type of project:** End of course project  
**Entity:** UPV/EHU Facultad / Escuela: Química (SS) **Type of entity:** University  
Grado en Química Curso 2016-17 Alumno: Jon Olazabal Lorea  
**Student:** Elena Gabirondo Amenabar



**Obtained qualification:** Matricula de Honor

**Date of reading:** 19/07/2017

- 10** **Project title:** Polymer Blends based on a biodegradable copolyester: Miscibility and Transport Properties  
**Type of project:** End of course project  
**Entity:** UPV/EHU Máster Química y Polímeros  
**Student:** Ainara Sangroniz Agudo  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 29/06/2015
- 11** **Project title:** Propiedades de transporte de la mezcla resina fenoxi-poli(ácido láctico)  
**Type of project:** End of course project  
**Entity:** UPV/EHU Máster Universitario en Química Aplicada y Materiales Poliméricos  
**Student:** Yohana Milena García Espitia  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 19/07/2011
- 12** **Project title:** Diseño, desarrollo y caracterización de nanomaterials poliméricos multifuncionales  
**Type of project:** Doctoral thesis  
**Entity:** UPV/EHU Facultad / Escuela: Química (SS)      **Type of entity:** University  
**Student:** Alaitz Ruiz de Luzuriaga Martínez  
**Obtained qualification:** Sobresaliente Cum Laude. Premio Extraordinario 2010-11  
**Date of reading:** 15/10/2010  
**Quality recognition:** Yes
- 13** **Project title:** Propiedades de transporte del polihidroxibutirato plastificado con citrato de butilo  
**Type of project:** End of course project  
**Entity:** UPV/EHU Máster Universitario en Química Aplicada y Materiales Poliméricos  
**Student:** Eneko Aguirrezabal Telleria  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 17/09/2010
- 14** **Project title:** Síntesis de nanopartículas poliméricas y su aplicación en la reducción de viscosidad en cauchos  
**Type of project:** End of course project  
**Entity:** UPV/EHU Máster Universitario en Química Aplicada y Materiales Poliméricos  
**Student:** Sarah Montes Pérez  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 21/07/2010
- 15** **Project title:** Propiedades barrera de poli(ácido láctico) plastificado con citrato de tributilo  
**Type of project:** End of course project  
**Entity:** UPV/EHU Máster Universitario en Química Aplicada y Materiales Poliméricos  
**Student:** Ana Chaos Álvarez  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 22/07/2009
- 16** **Project title:** Diversos ámbitos de aplicación de las propiedades de transporte de gases en materiales poliméricos  
**Entity:** UPV/EHU Facultad / Escuela: Química (SS)  
**Student:** Sorkunde Eceolaza Soralue  
**Obtained qualification:** Sobresaliente Cum Laude



**Date of reading:** 11/10/2006

**Date of award:** 11/10/2006

- 17 Project title:** Sistemas Poliméricos multicomponentes como Materiales Barrera  
**Type of project:** Doctoral thesis  
**Entity:** UPV/EHU Facultad / Escuela: Química (SS)      **Type of entity:** University  
**Student:** Almudena García Díaz  
**Obtained qualification:** Sobresaliente Cum Laude  
**Date of reading:** 29/11/2004

- 18 Project title:** Trogamid como material barrera: Caracterización y modificación del volumen libre  
**Type of project:** Minor thesis  
**Entity:** UPV/EHU Grado de Licenciatura (Tesina)  
**Student:** Almudena García Díaz  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 20/03/2003

## Student tutorials

- 1 Name of the programme:** Asesoramiento de alumnos. Desde el curso 2003/04 36 alumnos  
**Entity:** Facultad de Química, UPV/EHU
- 2 Name of the programme:** Tutor académico de practicas voluntarias en empresas. Desde el curso 2001/02  
**Entity:** Facultad de Química, UPV/EHU

## Teaching experience in courses and seminars for university teacher training

- 1 Type of event:** Seminar  
**Name of the event:** Seminario "Aplicaciones de la RMN a biopolímeros". Master, ETSII, Bilbao  
**Organising entity:** UPV/EHU  
**Hours of teaching:** 2  
**Teaching date:** 24/08/2008
- 2 Type of event:** Seminar  
**Name of the event:** Seminario "Tacticidad" en Programa de Doctorado  
**Organising entity:** Universidad de Zaragoza      **Type of entity:** University  
**Hours of teaching:** 2  
**Teaching date:** 21/06/2006

## Educational or pedagogical publications, books, articles, etc.

- 1** J. J. Iruin; J. M. Elorza; A. Etxeberria; E. Calahorra. Cuaderno y CD: Fundamentos de Química Física, 2005. ISBN 84-8373-799-X  
**Name of the materials:** Asesoramiento de la Implantación del Crédito Europeo (AICRE) 2004-05  
**Format:** Manual
- 2** A. Bordagaray; R. Garcia-Arrona; A. Etxeberria; A. Gredilla; M. Ostra. Metodologia experimental kimikan, 2017. ISBN 978-84-9082-705-5  
**Name of the materials:** Libro de la asignatura Metodología Experimental en Química  
**Format:** Book
- 3** M. Iriarte; A. Etxeberria; A. Mugica. Experimentación en Química Física (castellano)-Esperimentazioa Kimika Fisikoan (Euskera), IKD Baliobideak. 8, 2014. ISSN 2254-9153  
**Name of the materials:** Manual Aprendizaje basado en problemas  
**Format:** Chapters of books
- 4** A. Etxeberria; J. M. Elorza; J. J. Iruin. Cuaderno y CD: Fundamentos de Química Física, 2006. ISBN 84-8373-799-X  
**Name of the materials:** Seguimiento de la Implantación del Crédito Europeo (AICRE) 2005-06  
**Format:** Manual

## Participation in innovative teaching projects

- 1** **Project title:** Aprendizaje basado en problemas  
**Type of participation:** Team member  
**Funding entity:** Servicio de Asesoramiento Educativo (UPV/EHU)  
**Start-End date:** 07/01/2013 - 20/12/2013
- 2** **Project title:** Programa de Seguimiento de a la Implantación del Crédito Europeo (SICRE)  
**Type of participation:** Team member  
**Funding entity:** Servicio de Asesoramiento Educativo UPV/EHU  
**Start-End date:** 01/10/2005 - 31/07/2006
- 3** **Project title:** Programa de Asesoramiento de a la Implantación del Crédito Europeo (AICRE)  
**Type of participation:** Team member  
**Funding entity:** Servicio de Asesoramiento Educativo    **Type of entity:** University UPV/EHU  
**Start-End date:** 01/10/2004 - 31/07/2005



## Other activities/achievements not included above

- 1** **Description of the activity:** Miembro del Claustro de la UPV/EHU. 1995-97, 2001-2007 y desde 26/02/2009 hasta la actualidad  
**Organising entity:** UPV/EHU  
**End date:** 31/12/2019
- 2** **Description of the activity:** Miembro de la Junta de Facultad. 03/1998-10/99 y desde 22/10/2011 hasta la actualidad  
**Organising entity:** UPV/EHU  
**End date:** 10/12/2019
- 3** **Description of the activity:** Coordinador de la asignatura Metodología experimental en Química. Cursos 14/15, 16/17 y 18/19  
**Organising entity:** Facultad de Química, UPV/EHU  
**End date:** 30/07/2019
- 4** **Description of the activity:** Participación en la Actividad práctica "Química para ti para Alumnos de Bachillerato y de Formación Profesional Años 2013-2016, 2018-2019  
**Organising entity:** UPV/EHU  
**End date:** 2019
- 5** **Description of the activity:** Participación en las Jornadas de Puertas Abiertas para Alumnos de Bachillerato y de Formación Profesional Años 2003-2007, 2014, 2016, 2018-2019  
**Organising entity:** UPV/EHU  
**End date:** 2019
- 6** **Description of the activity:** Visitas de Divulgación y Promoción de la Titulación de Química en Centros de Bachillerato. Desde 2006 9 centros y unas 36 visitas  
**Organising entity:** Facultad de Química, UPV/EHU  
**End date:** 28/11/2018
- 7** **Description of the activity:** Coordinador de la asignatura Química Física. Cursos 13/14-17/18  
**Organising entity:** Facultad de Química, UPV/EHU  
**End date:** 30/07/2018
- 8** **Description of the activity:** Director de Emergencia de la Facultad de Química. Desde 6/10/2010  
**Organising entity:** Facultad de Química  
**End date:** 25/11/2014
- 9** **Description of the activity:** Elaboración del 'Sistema de Gestión Integrado de Prevención de Riesgos Laborables' (SGIPRL). 2003-04  
**Organising entity:** Facultad de Química  
**End date:** 30/06/2006
- 10** **Description of the activity:** Miembro del Consejo de Departamento. Desde 11/1997  
**Organising entity:** Dpto. Ciencia y Tecnología de Polímeros. UPV/EHU  
**End date:** 30/11/2003





**11 Description of the activity:** Miembro de la Comisión de Riesgos Laborables. Desde 18/06/2006 hasta la actualidad

**Organising entity:** Facultad de Química

## Most relevant contributions of your teaching CV

**1 Description:** Evaluación de la actividad docente, investigadora y de gestión: 97.09/100 (A1)

**Organising entity:** UNIBASQ-UPV/EHU

**End date:** 08/10/2016

**2 Description:** Programa DOCENTIAZ de evaluación de la actividad docente. 2007/08-2010/11: 65.97

**Organising entity:** UPV/EHU

**End date:** 29/10/2013

## 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:** Innovative plastics for circular-by-design packaging

**Entity where project took place:** UPV/EHU

**Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Dr. Haritz Sardon

**Nº of researchers:** 6

**Start-End date:** 01/01/2021 - 31/12/2024

**Duration:** 3 years - 11 months

**Participating entity/entities:** UPV/EHU

**Total amount:** 800.000 €

**2 Name of the project:** Poliésteres biodegradables nanoestructurados y nanocomposites para aplicaciones en regeneración de tejidos. (MINECOG19/P22, PID2019-106236GB-I00)

**Entity where project took place:** UPV/EHU

**Name principal investigator (PI, Co-PI....):** Emilio Meaurio Arrate; José Ramón Sarasua Oiz

**Nº of researchers:** 8

**Funding entity or bodies:**

Ministerio de Ciencia e Innovación (MICINN)

**Start-End date:** 01/06/2020 - 31/05/2023

**Duration:** 2 years - 11 months

**Participating entity/entities:** UPV/EHU

**Total amount:** 108.900 €

**3 Name of the project:** Subvención General al Grupo de Investigación de la UPV/EHU

**Name principal investigator (PI, Co-PI....):** Dra. Lourdes Irusta Maritxalar

**Nº of researchers:** 6

**Start-End date:** 03/03/2020 - 02/03/2023

**Duration:** 2 years - 11 months

**Participating entity/entities:** UPV/EHU

**Total amount:** 46.912,29 €



- 4** **Name of the project:** Subvención General a Grupos Consolidados del Gobierno Vasco  
**Name principal investigator (PI, Co-PI....):** Dra. Lourdes Irusta  
**Nº of researchers:** 6  
**Funding entity or bodies:**  
Gobierno Vasco/Eusko Jaurlaritza  
**Start-End date:** 01/01/2019 - 31/12/2021 **Duration:** 6 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 0 €  
**Applicant's contribution:** El proyecto tiene evaluación positiva y, aunque por problemas presupuestarios no ha recibido financiación alguna, consta como en vigor lo que permite competir en otras convocatorias en las que es requisito imprescindible, por ejemplo, becas postdoctorales.
- 5** **Name of the project:** Materiales poliméricos sostenibles para aplicaciones avanzadas  
**Name principal investigator (PI, Co-PI....):** Dra. Lourdes Irusta Maritxalar  
**Nº of researchers:** 4  
**Funding entity or bodies:**  
UPV/EHU  
**Start-End date:** 01/01/2019 - 31/12/2019 **Duration:** 5 months  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 9.393,12 €
- 6** **Name of the project:** Estudio y desarrollo de nuevos materiales compuestos biodegradables con bioactividad, radio-opacidad y propiedades mecánicas mejoradas  
**City of entity:** Bilbao, Basque Country, Spain  
**Name principal investigator (PI, Co-PI....):** José Ramón Sarasua Oiz; Emilio Meaurio Arrate  
**Nº of researchers:** 9  
**Funding entity or bodies:**  
Ministerio de Economía y Competitividad  
**Start-End date:** 01/01/2017 - 31/12/2019 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 90.000 €
- 7** **Name of the project:** Subvención General a Grupos Consolidados  
**Name principal investigator (PI, Co-PI....):** Dra. Lourdes Irusta  
**Nº of researchers:** 7  
**Funding entity or bodies:**  
Gobierno Vasco/Eusko Jaurlaritza  
**Start-End date:** 01/01/2013 - 31/12/2018 **Duration:** 6 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 236.378 €
- 8** **Name of the project:** Síntesis y caracterización de una nueva generación de copolímeros biodegradables y su estudio de miscibilidad con moléculas biológicamente activas  
**Name principal investigator (PI, Co-PI....):** Dres. José Ramón Sarasua Oiz y Emilio Meaurio  
**Nº of researchers:** 7  
**Funding entity or bodies:**  
MINECO  
**Start-End date:** 01/01/2014 - 31/12/2016 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU



**Total amount:** 113.591,84 €

**9 Name of the project:** Unidad de Formación e Investigación de la UPV/EHU

**City of entity:** San Sebastián,

**Name principal investigator (PI, Co-PI....):** Dr. José I. Eguiazabal Ortiz de Elguea

**Nº of researchers:** 30

**Funding entity or bodies:**

UPV/EHU

**Start-End date:** 01/01/2012 - 31/12/2016

**Duration:** 5 years

**Participating entity/entities:** UPV/EHU

**Total amount:** 206.917,02 €

**10 Name of the project:** Nanomateriales macromoleculares híbridos de propiedades específicas orientadas a aplicaciones industriales

**Name principal investigator (PI, Co-PI....):** Dr. José Ignacio Eguiazabal Ortiz de Elguea

**Nº of researchers:** 17

**Funding entity or bodies:**

Ministerio de Economía y Competitividad

**Start-End date:** 01/01/2011 - 31/12/2013

**Duration:** 3 years

**Participating entity/entities:** UPV/EHU

**Total amount:** 217.800 €

**11 Name of the project:** Sistemas basados en membranas para la re-utilización de agua: Influencia de micro-contaminantes en la colmatación de membranas

**Name principal investigator (PI, Co-PI....):** Dr. Thomas Schaffer

**Nº of researchers:** 8

**Start-End date:** 01/01/2011 - 31/12/2013

**Duration:** 3 years

**Participating entity/entities:** UPV/EHU

**Total amount:** 29.000 €

**12 Name of the project:** Superficies híbridas biocompatibles para aplicaciones biotecnológicas: efectos de la rigidez, higroscopicidad y topografía del sustrato polimérico biodegradable en el comportamiento celular. Subproyecto: Nuevos sistemas de mezcla de polímeros biodegradables con higroscopicidad, propiedades mecánicas y Biodegradabilidad predeterminadas

**Name principal investigator (PI, Co-PI....):** Dr. José Ramón Sarasua Oiz

**Nº of researchers:** 8

**Funding entity or bodies:**

Ministerio de Economía y Competitividad

**Start-End date:** 01/01/2011 - 31/12/2013

**Duration:** 3 years

**Participating entity/entities:** UPV/EHU

**Total amount:** 60.500 €

**13 Name of the project:** Preparación y caracterización de membranas poliméricas multicomponente para materiales barrera y procesos de separación

**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin

**Nº of researchers:** 5

**Funding entity or bodies:**

Comercio y Turismo (Programa Saiotek 2011)

GV. Consejería de Industria



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

**Duration:** 2 years

**Participating entity/entities:** UPV/EHU

**Total amount:** 31.206 €

**14 Name of the project:** Subvención General a Grupos Consolidados

**Degree of contribution:** Researcher

**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz

**Nº of researchers:** 15

**Funding entity or bodies:**

Gobierno Vasco/Eusko Jaurlaritz

**Type of participation:** Team member

**Start-End date:** 01/01/2010 - 31/12/2012

**Duration:** 3 years

**Participating entity/entities:** UPV/EHU

**Total amount:** 94.000 €

**15 Name of the project:** inanoGUNE II: Investigación estratégica en nanociencia y nanotecnología integrada en CIC Nanogune

**Name principal investigator (PI, Co-PI....):** Dr. J. M. Asua (en POLYMAT)

**Nº of researchers:** 10

**Funding entity or bodies:**

Comercio y Turismo

GV. Consejería de Industria

**Start-End date:** 01/01/2008 - 30/06/2012

**Duration:** 4 years - 6 months

**Participating entity/entities:** CEIT.; CIDETED; Unidad de Física de Materiales; Tecnalia; diversos Dpto e Institutos de la UPV/EHU (en los que se incluye POLYMAT); iNanogune

**Total amount:** 184.600 €

**16 Name of the project:** Nuevos polímeros semiconductores y reología de asfaltos con polímeros reciclados (Renovación)

**Geographical area:** Non EU International

**Name principal investigator (PI, Co-PI....):** Dr. Agustin Etxeberria Lizarraga

**Nº of researchers:** 5

**Funding entity or bodies:**

AECID-PCI Mediterráneo

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

**Duration:** 1 year

**Participating entity/entities:** UPV/EHU; USTHB (Argelia)

**Total amount:** 18.000 €

**17 Name of the project:** Nuevos polímeros semiconductores y reología de asfaltos con polímeros reciclados

**Name principal investigator (PI, Co-PI....):** Dr. Agustin Etxeberria Lizarraga

**Nº of researchers:** 5

**Funding entity or bodies:**

AECID-PCI Mediterráneo

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

**Duration:** 1 year

**Participating entity/entities:** UPV/EHU; USTHB (Argelia)

**Total amount:** 15.500 €

- 18** **Name of the project:** Síntesis de polímeros para aplicaciones en células solares y nanomateriales  
**Name principal investigator (PI, Co-PI....):** Dr. Agustin Etxeberria Lizarraga  
**Nº of researchers:** 4  
**Funding entity or bodies:**  
AECID-PCI Mediterráneo  
**Start-End date:** 01/01/2009 - 31/12/2009 **Duration:** 1 year  
**Participating entity/entities:** UPV/EHU; USTHB (Argelia)  
**Total amount:** 18.000 €
- 19** **Name of the project:** Subvención General a Grupos Consolidados  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 15  
**Funding entity or bodies:**  
Gobierno Vasco/Eusko Jaurlaritza  
**Start-End date:** 01/01/2007 - 31/12/2009 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 106.210 €
- 20** **Name of the project:** Sistemas heterogéneos a base de polímeros semicristalinos: efectos interfaciales y su repercusión en las propiedades de transporte  
**Name principal investigator (PI, Co-PI....):** Dra. Milagros Cortázar Díez  
**Nº of researchers:** 11  
**Funding entity or bodies:**  
Comisión Interministerial de Ciencia y Tecnología. Programa Nacional de Nuevos Materiales  
**Start-End date:** 01/01/2006 - 31/12/2009 **Duration:** 4 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 113.764 €  
**Applicant's contribution:** Nota: La duración inicial del proyecto fue prorrogado un cuarto año (2009)
- 21** **Name of the project:** Biomateriales sintéticos y naturales para aplicaciones biomédicas: Obtención y caracterización de membranas poliméricas resorbibles de base PLA (Biomagune-Etortek)  
**Name principal investigator (PI, Co-PI....):** Dr. J. R. Sarasua Oiz (ETSII Bilbao); A. Etxeberria (Polymat)  
**Nº of researchers:** 2  
**Funding entity or bodies:**  
Gobierno Vasco-Diputación Foral de Guipúzcoa  
**Start-End date:** 01/01/2005 - 31/12/2007 **Duration:** 3 years  
**Participating entity/entities:** AZTI Tecnalia; CIC Biomagune; Cidetec; Fundación Bio; Inasmet y LEIA; UPV/EHU (7 grupos + Polymat)  
**Total amount:** 12.391 €  
**Applicant's contribution:** Nota: La cuantía aportada corresponde a la financiación recibida por mi grupo de investigación.
- 22** **Name of the project:** Nanociencia y nanotecnologías para micro y nanosistemas (NANOTRON)  
**Name principal investigator (PI, Co-PI....):** Dr. J. J. Iruin Sanz  
**Nº of researchers:** 10  
**Funding entity or bodies:**  
Gobierno Vasco (Etortek)-Diputación Foral de Guipúzcoa  
**Start-End date:** 01/01/2005 - 31/12/2007 **Duration:** 3 years  
**Participating entity/entities:** Cidetec; Unidad de Física de Materiales; Inasmet; UPV/EHU (Polymat)

**Total amount:** 229.616 €

- 23** **Name of the project:** Subvención General a Grupos Consolidados  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 16  
**Funding entity or bodies:**  
Universidad del País Vasco/Euskal Herriko Unibertsitatea  
**Start-End date:** 01/01/2001 - 31/12/2006 **Duration:** 6 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 267.726 €
- 24** **Name of the project:** Nuevos materiales poliméricos obtenidos a partir de masterbatch  
**Name principal investigator (PI, Co-PI....):** Dr. J. Nazabal  
**Nº of researchers:** 8  
**Funding entity or bodies:**  
Gobierno Vasco (Saiotek)  
**Start-End date:** 01/01/2004 - 31/12/2005 **Duration:** 2 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 88.809,9 €
- 25** **Name of the project:** Polyolefins improved property control and reaction operativity  
**Name principal investigator (PI, Co-PI....):** DSM Polypropylenes BV (Coordinador del proyecto)  
**Nº of researchers:** 10  
**Start-End date:** 01/01/2001 - 31/12/2005 **Duration:** 5 years  
**Participating entity/entities:** BP; CNRS; CPERI; DSM Deretil, S.A.; Eur. Lim.; Fluent; P. di Milano; Repsol; U. Twente; UPV/EHU  
**Total amount:** 174.720 €  
**Applicant's contribution:** Nota: La cuantía aportada corresponde a la financiación recibida por el grupo EHU-Polymat.
- 26** **Name of the project:** Desarrollo de sistemas poliméricos complejos para la mejora de las propiedades barrera  
**Name principal investigator (PI, Co-PI....):** Dra. Cristina Uriarte Toledo  
**Nº of researchers:** 8  
**Funding entity or bodies:**  
Comisión Interministerial de Ciencia y Tecnología. Programa Nacional de Nuevos Materiales  
**Start-End date:** 01/01/2002 - 31/12/2004 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 103.500 €
- 27** **Name of the project:** Nanomateriales para aplicaciones multisectoriales (NANOMAT)  
**Name principal investigator (PI, Co-PI....):** Dr. A. Porro (Labein)  
**Nº of researchers:** 17  
**Funding entity or bodies:**  
Gobierno Vasco (Eortek)-Diputación Foral de Guipúzcoa  
**Start-End date:** 01/01/2002 - 31/12/2004 **Duration:** 3 years  
**Participating entity/entities:** Unidad de Física de Materiales; Inasmet; Labein Tecnalia; POLYMAT (UPV/EHU)  
**Total amount:** 282.698 €



- 28** **Name of the project:** Desarrollo de nuevas formulaciones de PVC flexibles para cubiertas de invernadero con prestaciones garantizadas  
**Name principal investigator (PI, Co-PI....):** Dra. M. José Fernandez-Berridi Taberna  
**Nº of researchers:** 6  
**Funding entity or bodies:**  
Gobierno Vasco/Eusko Jaurlaritza  
**Start-End date:** 01/01/2000 - 31/12/2001 **Duration:** 2 years  
**Participating entity/entities:** S. A.; UPV/EHU; Vinílica  
**Total amount:** 60.600 €
- 29** **Name of the project:** Miscibilidad e interacciones en mezclas de polímeros  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 8  
**Funding entity or bodies:**  
Universidad del País Vasco/Euskal Herriko Unibertsitatea Subvención a General a Grupos Consolidados  
**Start-End date:** 01/01/1999 - 31/12/2001 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 118.918 €
- 30** **Name of the project:** Difusión de gases permanentes a través de filmes poliméricos. Evaluación de efectos ligados al volumen libre  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 5  
**Funding entity or bodies:**  
Gobierno Vasco/Eusko Jaurlaritza  
**Start-End date:** 01/01/1999 - 31/12/2000 **Duration:** 2 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 25.200 €
- 31** **Name of the project:** Propiedades de transporte de vapor de agua y otros gases a través de membranas poliméricas y polímeros barrera multicomponentes  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 6  
**Funding entity or bodies:**  
Comisión Interministerial de Ciencia y Tecnología. Programa Nacional de Nuevos Materiales  
**Start-End date:** 01/01/1998 - 31/12/2000 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 80.152 €
- 32** **Name of the project:** Nuevos materiales de base fenólica. Funcionalización y curado vía radical de resinas fenólicas  
**Name principal investigator (PI, Co-PI....):** Dra. M. José Fernandez-Berridi Taberna  
**Nº of researchers:** 5  
**Funding entity or bodies:**  
Gobierno Vasco/Eusko Jaurlaritza  
**Start-End date:** 01/01/1998 - 31/12/1999 **Duration:** 2 years  
**Participating entity/entities:** Bakelite; S.A.; UPV/EHU  
**Total amount:** 47.081 €



- 33** **Name of the project:** Propiedades de transporte en mezclas de polímeros con interacciones puente de hidrógeno  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 6  
**Funding entity or bodies:**  
Comisión Interministerial de Ciencia y Tecnología. Programa Nacional de Nuevos Materiales  
**Start-End date:** 01/01/1996 - 31/12/1998 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 71.999 €
- 34** **Name of the project:** Hacia el diseño de las ventanas de miscibilidad en mezclas de polímeros  
**Name principal investigator (PI, Co-PI....):** Dra. Milagros Cortázar Díez  
**Nº of researchers:** 5  
**Funding entity or bodies:**  
Gobierno Vasco/Eusko Jaurlaritza  
**Start-End date:** 01/01/1997 - 31/12/1997 **Duration:** 1 year  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 16.440 €
- 35** **Name of the project:** Recubrimientos a base de poliuretanos: Interacciones específicas y fotodegradación  
**Name principal investigator (PI, Co-PI....):** Dra. M. José Fernández-Berridi Taberna  
**Nº of researchers:** 4  
**Funding entity or bodies:**  
Gobierno Vasco/Eusko Jaurlaritza  
**Start-End date:** 01/01/1995 - 31/12/1997 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 27.150 €
- 36** **Name of the project:** Mezclas binarias y ternarias de polímeros: estudio experimental y verificación de un modelo teórico de asociación  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 6  
**Funding entity or bodies:**  
Universidad del País Vasco/Euskal Heriko Unibertsitatea  
**Start-End date:** 01/01/1993 - 31/12/1995 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 42.000 €
- 37** **Name of the project:** Nuevos materiales basados en mezclas de polímeros técnicos: Estudios básicos y aplicaciones  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 5  
**Funding entity or bodies:**  
Comisión Interministerial de Ciencia y Tecnología. Programa Nacional de Nuevos Materiales  
**Start-End date:** 01/01/1990 - 31/12/1992 **Duration:** 3 years  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 113.998 €



- 38** **Name of the project:** Miscibilidad Polímero/Copolímero  
**Name principal investigator (PI, Co-PI....):** Dr. Gonzalo Martín Gúzman  
**Nº of researchers:** 4  
**Funding entity or bodies:**  
Universidad del País Vasco/Euskal Herriko Unibertsitatea  
**Start-End date:** 01/01/1989 - 31/12/1989 **Duration:** 1 year  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 1.875.000 €
- 39** **Name of the project:** Reacciones de intercambio en mezclas de polímeros: control del proceso y microestructura de los productos obtenidos  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 4  
**Funding entity or bodies:**  
Universidad del País Vasco/Euskal Herriko Unibertsitatea  
**Start-End date:** 01/01/1988 - 31/12/1988 **Duration:** 1 year  
**Participating entity/entities:** UPV/EHU  
**Total amount:** 2.200.000 €

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

- 1** **Name of the project:** Diferentes estrategias para la obtención de recubrimientos poliméricos sostenibles  
**Degree of contribution:** Researcher  
**Name principal investigator (PI, Co-PI....):** Dres. José Ramón Leiza Recondo y Lourdes Iruña Maritxalar  
**Nº of researchers:** 6  
**Participating entity/entities:** UPV/EHU-Polymer  
**Funding entity or bodies:**  
Diputación Foral de Gipuzkoa **Type of entity:** UNIVERSIDAD  
**City funding entity:** Donostia San Sebastián, Basque Country, Spain  
**Start date:** 04/2018 **Duration:** 1 year - 6 months
- 2** **Name of the project:** Graphene-Polymer Nanocomposite for Energy Applications  
**Name principal investigator (PI, Co-PI....):** Dr. Alejandro J. Müller  
**Nº of researchers:** 4  
**Participating entity/entities:** UPV/EHU/EDF  
**Funding entity or bodies:**  
EDF (Electricité de France)  
**Start date:** 01/05/2015 **Duration:** 9 months  
**Total amount:** 39.820 €
- 3** **Name of the project:** Revisión crítica del empleo de técnicas cromatográficas en la evaluación de propiedades de transporte de filmes poliméricos  
**Name principal investigator (PI, Co-PI....):** Dr. Juan J. Iruin Sanz  
**Nº of researchers:** 4  
**Participating entity/entities:** UPV/EHU  
**Funding entity or bodies:**  
DIPUTACION FORAL DE GUIPUZCOA  
**City funding entity:** Spain



**Start date:** 01/01/2000**Duration:** 1 year**Total amount:** 8.970 €

- 4 Name of the project:** Modificación de la permeabilidad selectiva de membranas de poli(éter imida) mediante mezclado con poliamidas aromáticas. Aplicación a la separación de mezclas de gases

**Name principal investigator (PI, Co-PI....):** Dra. Cristina Uriarte Toledo**Nº of researchers:** 5**Participating entity/entities:** UPV/EHU**Funding entity or bodies:**

DIPUTACION FORAL DE GUIPUZCOA

**City funding entity:** Spain**Start date:** 01/01/1997**Duration:** 1 year**Total amount:** 8.940 €

## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1** A. Sangroniz; L. Sangroniz; S. Hamzehlou; N. Aranburu; H. Sardon; J. R. Sarasua; M. Iriarte; J. R. Leiza; A. Etxeberria. Lactide-valerolactone copolymers for packaging applications. *Polymers*. 14, pp. 52. 2022. ISSN 2073-4360  
**DOI:** 10.3390/polym14010052  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 2** A. Sangroniz; J.-B. Zhu; A. Etxeberria; E. Y.-X. Chen; H. Sardon. Modulating the crystallinity of a circular plastic towards packaging material with outstanding barrier properties. *Macromolecular Rapid Communication*. Aceptado, 2022. ISSN 1521-3927  
**DOI:** 10.1002/marc.202200008  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** No
- 3** M. A. Corres; A. Mayor; A. Sangroniz; J. del Río; M. Iriarte; A. Etxeberria. Blends based on biodegradable poly(caprolactone) with outstanding barrier properties for packaging applications: the role of free volume and interactions. *European Polymer Journal*. 135, pp. 109869. 2020. ISSN 0014-3057  
**DOI:** 10.1016/j.eurpolymj.2020.109869  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes  
**Impact source:** ISI **Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** **Journal in the top 25%:** Yes
- 4** I. Emdali; A. Agirre; A. Etxeberria; E. Erkizia; J. S. Dolado; J. R. Leiza. Characterization of Comb Shaped MAA-co-PEGMA Copolymers Synthesized by Free-Radical Polymerization. *Macromolecular Reaction Engineering*. 14, pp. 20000152. 2020. ISSN 1862-8338  
**DOI:** 10.1002/mren.202000015  
**Type of production:** Scientific paper **Format:** Journal



**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:**

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** No

- 5** I. Debbah; R. Krache; N. Aranburu; A. Etxeberria; E. Pérez; R. Benavente. Influence of ABS Type and Compatibilizer on the Thermal and Mechanical Properties of PC/ABS Blends. International Polymer Processing. 35, pp. 83 - 94. 2020. ISSN 0930777X

**DOI:** 10.3139/217.3858

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:**

**Journal in the top 25%:** No

- 6** A. Sangroniz; L. Sangroniz; S. Hamzehlou; J. del Río; A. Santamaria; J. R. Sarasua; M. Iriarte; J. R. Leiza; A. Etxeberria. Lactide-caprolactone copolymers with tuneable barrier properties for packaging applications. Polymer. 202, pp. 122681. 2020. ISSN 0032-3861

**DOI:** 10.1016/j.polymer.2020.122681

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:**

**Journal in the top 25%:** Yes

- 7** A. Chaos; A. Sangroniz; J. Fernández; J. del Río; M. Iriarte; J. R. Sarasua; A. Etxeberria. Plasticization of poly(lactide) with poly(ethylene glycol): Low weight plasticizer vs triblock copolymers. Effect on free volume and barrier properties. Journal of Applied Polymer Science. 137, pp. 48868 (9 pg). 2020. ISSN 1097-4628

**DOI:** 10.1002/app.48868

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:**

**Journal in the top 25%:** No

- 8** A. Sangroniz; A. Chaos; J. del Río; M. Iriarte; A. Etxeberria. Polilaktida plastifikatua elikagaien ontziratzerako: plastifikatzailearen pisu molekularren eragina bolumen aske eta hesi ezaugarrietan. Ekaia. 38, pp. 199 - 213. 2020. ISSN 0214-9001

**DOI:** 10.1387/ekaia.21475

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

- 9** E. Gabirondo; A. Sangroniz; A. Etxeberria; S. Torres-Giner; H. Sardon. Polyhydroxy Acids derived from the self-condensation of hydroxyacids From Polymerization to End-Life Assessment. Polymer Chemistry. 11, pp. 4861 - 4874. 2020. ISSN 1759-9962

**DOI:** 10.1039/d0py00088d

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:**

**Journal in the top 25%:** Yes

- 10** A. Basterretxea; X. Lopez de Pariza; E. Gabirondo; M. Marina; J. Martin; A. Etxeberria; D. Mecerreyes; H. Sardón David ere?. Synthesis and characterization of fully biobased copolyether polyols. Industrial & Engineering Chemistry Research. 59, pp. 10746 - 10753. 2020. ISSN 0888-5885  
**DOI:** 10.1021/acs.iecr.0c00723  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Chemical Engineering (miscellaneous)  
**Impact index in year of publication:**  
**Journal in the top 25%:** Yes
- 11** L. Sangroniz; A. Sangroniz; M. Fernández; A. Etxeberria; A. J. Müller; A. Santamaria. Elaboration and characterization of conductive polymer nanocomposites with potential use as electrically driven membranes. Polymers. 11, pp. 1180 - 14 pg. 2019. ISSN 2073-4360  
**DOI:** 10.3390/polym11071180  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 3.426  
**Journal in the top 25%:** Yes  
**Position of publication:** 16  
**No. of journals in the cat.:** 89
- 12** S. Eceolaza; A. Sangroniz; J. del Río; M. Iriarte; A Etxeberria. Improving the barrier character of poly(caprolactone): Transport properties and free volume of immiscible blends. Journal of Applied Polymer Science. 136, pp. 48018 - 11 pg.. 2019. ISSN 1097-4628  
**DOI:** 10.1002/app.48018  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 2.52  
**Journal in the top 25%:** No  
**Position of publication:** 32  
**No. of journals in the cat.:** 89
- 13** A. Sangroniz; L. Sangroniz; A. Gonzalez; A. Santamaria; J. del Rio; M. Iriarte; A Etxeberria. Improving the barrier properties of a biodegradable polyester for packaging applications. European Polymer Journal. 115, pp. 76 - 85. 2019. ISSN 0014-3057  
**DOI:** 10.1016/j.eurpolymj.2019.03.026  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 3.862  
**Journal in the top 25%:** Yes  
**Position of publication:** 14  
**No. of journals in the cat.:** 89
- 14** A. Basterretxea; E. Gabirondo; I. Flores; A. Etxeberria; A. Gonzalez; A. J. Müller; D. Mecerreyes; O. Coulembier; H. Sardon. Isomorphic Polyoxyalkylene Copolyethers Obtained by Copolymerization of Aliphatic Diols. Macromolecules. 52, pp. 3506 - 3515. 2019. ISSN 0024-9297  
**DOI:** 10.1021/acs.macromol.9b00469  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 5.918  
**Journal in the top 25%:** Yes  
**Position of publication:** 7  
**No. of journals in the cat.:** 89

- 15** I. Emaldi; S. Hamzehlou; E. Erkizia; J. Sanchez Dolado; A. Etxeberria; J. R. Leiza. Modelling and control of the microstructure of comb-like poly(MAA-co-PEGMA) water soluble copolymers. *Polymer Chemistry*. 10, pp. 1000 - 1009. 2019. ISSN 1759-9962  
**DOI:** 10.1039/C8PY01599F  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 5.342  
**Journal in the top 25%:** Yes  
**Position of publication:** 8  
**No. of journals in the cat.:** 89  
**Relevant results:** A feature has highlighted on Advances on Advances in Engineering (<https://advanceseng.com/>). Citation link: <https://advanceseng.com/modelling-control-microstructure-comb-like-poly-maa-co-pegma-water-soluble-copolymers/>
- 16** I. Flores; A. Basterretxea; A. Etxeberria; A. González; C. Ocando; J. F. Vega; J. Martínez-Salazar; H. Sardon; A. J. Müller. Organocatalyzed Polymerization of PET-mb-poly(oxyhexane) Copolymers and Their Self-Assembly into double Crystalline Superstructures. *Macromolecules*. 52, pp. 6834 - 6468. 2019. ISSN 0024-9297  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 5.918  
**Journal in the top 25%:** Yes  
**Position of publication:** 7  
**No. of journals in the cat.:** 89
- 17** I. Flores; A. Etxeberria; L. Irusta; I. Calafel; J. F. Vega; J. Martinez Salazar; H. Sardón; A. J. Müller. PET-ran-PLA partially degradable random copolymers prepared by organocatalysis: Effect of PLA incorporation on crystallization and morphology. *ACS Sustainable Chemistry & Engineering*. 7, pp. 8647 - 8659. 2019. ISSN 2168-0485  
**DOI:** 10.1021/acssuschemeng.9b00443  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - ENGINEERING, CHEMICAL  
**Impact index in year of publication:** 7.632  
**Journal in the top 25%:** Yes  
**Position of publication:** 8  
**No. of journals in the cat.:** 143
- 18** A. Sangroniz; J.-B. Zhu; X. Tang; A. Etxeberria; E. Y.-X. Chen; H. Sardon. Packaging materials with desired mechanical and barrier properties and full chemical recyclability. *Nature Commun.* 10, pp. 3359 - 7. pg. 2019. ISSN 2041-1723  
**DOI:** 10.1038/s41467-019-11525-x  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES  
**Impact index in year of publication:** 11.878  
**Journal in the top 25%:** Yes  
**Position of publication:** 6  
**No. of journals in the cat.:** 71
- 19** A. Basterretxea; E. Gabirondo; C. Jehanno; H. Zhu; M. Forsyth; I. Flores; A. J. Müller; A. Etxebarria; D. Mecerreyes; O. Coulembier; H. Sardon. Polyether synthesis by bulk self-condensation of diols catalyzed by protic ionic organocatalysts. *ACS Sustainable Chemistry & Engineering*. 7, pp. 4103 - 4111. 2019. ISSN 2168-0485  
**DOI:** 10.1021/acssuschemeng.8b05609  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No

**Impact source:** ISI**Impact index in year of publication:** 7.632**Position of publication:** 8**Category:** Chemical Engineering (miscellaneous)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 143

- 20** A. Sangroniz; J. R. Sarasua; M. Iriarte; A. Etxeberria. Survey on transport properties of vapours and liquids on biodegradable polymers. European Polymer Journal. 120, pp. 109232. 2019. ISSN 0014-3057

**DOI:** 10.1016/j.eurpolymj.2019.109232**Type of production:** Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Impact index in year of publication:** 3.862**Position of publication:** 14**Format:** Journal**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 89

- 21** A. Chaos; A. Sangroniz; A. Gonzalez; M. Iriarte; J. R. Sarasua; J. del Río; A. Etxeberria. Tributyl citrate as an effective plasticizer for biodegradable polymers: effect of the plasticizer on the free volume, transport and mechanical properties. Polymer International. 68, pp. 125 - 133. 2019. ISSN 1097-0126

**DOI:** 10.1002/pi.5705**Type of production:** Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Impact index in year of publication:** 2.574**Position of publication:** 30**Format:** Journal**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** No**No. of journals in the cat.:** 89

- 22** A. Sangroniz; L. Sangroniz; N. Aranburu; M. Fernández; A. Santamaria; M. Iriarte; A. Etxeberria. Blends of biodegradable poly(butylene adipate-co-terephthalate) with poly(hydroxi amino ether) for packaging applications: Miscibility, rheology and transport properties. European Polymer Journal. 105, pp. 348 - 358. 2018. ISSN 0014-3057

**DOI:** 10.1016/j.eurpolymj.2018**Type of production:** Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Impact index in year of publication:** 3.621**Position of publication:** 14**Format:** Journal**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 87

- 23** S. Montes; A. Etxeberria; V. Mocholi; A. Rekondo; H. Grande; J. Labidi. Effect of combining cellulose nanocrystals and graphene nanoplatelets on the properties of Poly(lactic acid) based films. Express Polymer Letters. 12, pp. 543 - 555. 2018. ISSN 1788-618X

**DOI:** 10.3144/expresspolymlett.2018.45**Type of production:** Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 3.064**Position of publication:** 22**Format:** Journal**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 87

- 24** L. Sangroniz; A. Sangroniz; A. Alegria; M. Fernandez; L. Irusta; A. J. Müller; A. Etxeberria; A. Santamaría. Effect of hydrogen bonding on the physicochemical and rheological features of chemically modified phenoxy. Polymer. 159, pp. 12 - 22. 2018. ISSN 0032-3861

**DOI:** 10.1016/j.polymer.2018.11.002**Type of production:** Scientific paper**Format:** Journal



**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 3.771

**Position of publication:** 13

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 87

- 25** I. Debbah; R. Krache; N. Aranburu; M. Fernández; A. Etxeberria. Effect of styrene-ethylene/butylene-styrene-g-maleic anhydride addition on the mechanical, rheological and morphological properties of polycarbonate/acrylonitrile butadiene styrene blends. *Journal of Elastomers and Plastics*. 50, pp. 611 - 633. 2018. ISSN 0095-2443

**DOI:** 10.1177/0095244317753652

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 1.112

**Journal in the top 25%:** No

**Position of publication:** 68

**No. of journals in the cat.:** 87

- 26** A. Sangroniz; A. Chaos; M. Iriarte; J. del Río; J.R. Sarasua; A. Etxeberria. Influence of the rigid amorphous fraction and crystallinity on polylactides transport properties. *Macromolecules*. 51, pp. 3923 - 3931. 2018. ISSN 0024-9297

**DOI:** 10.1021/acs.macromol.8b00833

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 5.997

**Journal in the top 25%:** Yes

**Position of publication:** 5

**No. of journals in the cat.:** 87

- 27** A. Sangroniz; A. Gonzalez; L. Martin; L. Irusta; M. Iriarte; A. Etxeberria. Miscibility and degradation of polymer blends based on biodegradable poly(butylene adipate-co-terephthalate). *Polymer Degradation and Stability*. 151, pp. 25 - 25. 2018. ISSN 0141-3910

**DOI:** 10.1016/j.polymdegradstab.2018.01.023

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 3.780

**Journal in the top 25%:** Yes

**Position of publication:** 12

**No. of journals in the cat.:** 87

- 28** L. Sangroniz; J. L. Ruiz; A. Sangroniz; M. Fernández; A. Etxeberria; A. J. Muller; A. Santamaria. Polyethylene terephthalate/Low Density Polyethylene/Titanium dioxide blend nanocomposites: Morphology, crystallinity, rheology and transport properties. *Journal of Applied Polymer Science*. 136, pp. 46986 - 10 pg.. 2018. ISSN 1097-4628

**DOI:** 10.1002/app.46986

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 2.188

**Journal in the top 25%:** No

**Position of publication:** 35

**No. of journals in the cat.:** 87

- 29** I. Flores; J. Demarteau; A.J. Müller; A. Etxeberria; L. Irusta; F. Bergman; C. Koning; H. Sardon. Screening of different organocatalysts for the sustainable synthesis of PET. *European Polymer Journal*. 104, pp. 170 - 176. 2018. ISSN 0014-3057

**DOI:** 10.1016/j.eurpolymj.2018.04.040

**Type of production:** Scientific paper

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 3.621

**Position of publication:** 14

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 87

- 30** J.M. Ugartemendia; A. Larrañaga; H. Amestoy; A. Etxeberria; J.R. Sarasua. Tougher biodegradable polylactide system for bone fracture fixations: Miscibility study, phase morphology and mechanical properties. European Polymer Journal. 98, pp. 411 - 419. 2018. ISSN 0014-3057

**DOI:** 10.1016/j.eurpolymj.2017.11.040

**Type of production:** Scientific paper

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 3.621

**Position of publication:** 14

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 87

- 31** A. Sanchez-Sanchez; I. Rivilla; M. Agirre; A. Basterretxea; A. Etxeberria; A. Veloso; H. Sardon; D. Mecerreyes; F. P. Cossio. Enantioselective Ring-Opening Polymerization of rac-Lactide Dictated by Densely Substituted Aminoacids. Journal of American Chemical Society. 139, pp. 4805 - 4814. 2017. ISSN 0002-7863

**DOI:** 10.1021/jacs.6b13080

**Type of production:** Scientific paper

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 14.357

**Position of publication:** 8

**Format:** Journal

**Category:** Science Edition - CHEMISTRY, MULTIDISCIPLINARY

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 171

- 32** J. Fernández; M. Montero; A. Etxeberria; J. R. Sarasua. Ethylene brassilate: Searching for new comonomers that enhance the ductility and biodegradability of polylactides. Polymer Degradation and Stability. 137, pp. 23 - 34. 2017. ISSN 0141-3910

**DOI:** 10.1016/j.polymdegradstab.2017.01.001

**Type of production:** Scientific paper

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 3.193

**Position of publication:** 16

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 87

- 33** A. Sangroniz; A. Chaos; Y. M. Garcia; J. Fernández; M. Iriarte; A. Etxeberria. Improving the barrier character of poly(lactide)/phenoxy immiscible blend using poly(lactide-co- $\epsilon$ -caprolactone) block copolymer as a compatibilizer. Journal of Applied Polymer Science. 134, pp. 45396 (10 páginas). 2017. ISSN 1097-4628

**DOI:** 10.1002/app.45396

**Type of production:** Scientific paper

**Corresponding author:** Yes

**Impact source:** ISI

**Impact index in year of publication:** 1.91

**Position of publication:** 38

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** No

**No. of journals in the cat.:** 87

- 34** E. Lizundia; J.L. Vilas; A. Sangroniz; A. Etxeberria. Light and gas barrier properties of PLLA/metallic nanoparticles composite films. *European Polymer Journal*. 91., pp. 10 - 20. 2017. ISSN 0014-3057  
**DOI:** 10.1016/j.eurpolymj.2017.03.043  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 3.741  
**Journal in the top 25%:** Yes  
**Position of publication:** 12  
**No. of journals in the cat.:** 87
- 35** S. Petisco-Ferrero; A. Etxeberria; J. R. Sarasua. Mechanical properties and state of miscibility in poly(rac L,D-Lactide-co-Glycolide)/(Lactide-co-?-caprolactone) blends. *JMBBM*. 71, pp. 372 - 382. 2017. ISSN 1751-6161  
**DOI:** 10.1016/j.jmbbm.2017.04.003  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - ENGINEERING, BIOMEDICAL  
**Impact index in year of publication:** 3.239  
**Journal in the top 25%:** Yes  
**Position of publication:** 18  
**No. of journals in the cat.:** 78
- 36** A. Basterretxea; E. Gabirondo; A. Sanchez-Sanchez; A. Etxeberria; O. Coulembier; D. Mecerreyes; H. Sardon. Synthesis and characterization of poly (?-caprolactam-co-lactide) polyesteramides using Brønsted acid or Brønsted base organocatalyst. *European Polymer Journal*. 95, pp. 650 - 659. 2017. ISSN 0014-3057  
**DOI:** 10.1016/j.eurpolymj.2017.05.023  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 3.741  
**Journal in the top 25%:** Yes  
**Position of publication:** 12  
**No. of journals in the cat.:** 87
- 37** A. Oyarzabal; A. Cristiano-Tassi; E. Laredo; D. Newman; A. Bello; A. Etxeberria; J. I. Eguiazabal; M. Zubitur; A. Mugica; A. J. Müller. Dielectric, mechanical and transport properties of Bisphenol A Polycarbonate/Graphene nanocomposites prepared by melt blending. *Journal of Applied Polymer Science*. 134, pp. 44654 - 13 pg.. 2016. ISSN 1097-4628  
**DOI:** 10.1002/app.44654  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 1.86  
**Journal in the top 25%:** No  
**Position of publication:** 36  
**No. of journals in the cat.:** 86
- 38** J. Fernández; A. Etxeberria; A. Larrañaga; J. R. Sarasua. Ethylene brassilactate-co-?-hexalactone biobased polymers for medical applications: synthesis, characterization and cell studies. *RSC Advances*. 6, pp. 21121 - 21136. Royal Chemical Society, 2016. ISSN 2046-2069  
**DOI:** 10.1039/C6RA01065B  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - CHEMISTRY, MULTIDISCIPLINARY  
**Impact index in year of publication:** 3.108  
**Journal in the top 25%:** No



**Position of publication:** 59**No. of journals in the cat.:** 166

- 39** A. Lejardi; A. Etxeberria; J. R. Sarasua; E. Meaurio. Miscible blends of poly(ethylene oxide) with brush copolymers of poly(vinyl alcohol)-graft-poly(L-lactide). *Journal of Polymer Science, Part B: Polymer Physics*. 54, pp. 1217 - 1226. Wiley, 2016. ISSN 1099-0488  
**DOI:** 10.1002/polb.24026  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 2.838  
**Journal in the top 25%:** No  
**Position of publication:** 24  
**No. of journals in the cat.:** 86
- 40** A. Sanchez-Sanchez; A. Basterretxea; D. Mantione; A. Etxeberria; C. Elizetxea; A. de la Calle; S. García-Arrieta; H. Sardon; D. Mecerreyes. Organic-Acid Mediated Bulk Polymerization of  $\epsilon$ -Caprolactam and Its Copolymerization with  $\epsilon$ -Caprolactone. *Journal of Polymer Science, Part A: Polymer Chemistry*. 54, pp. 2394 - 2402. Wiley, 2016. ISSN 1099-0518  
**DOI:** 10.1002/pola.28114  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 2.952  
**Journal in the top 25%:** Yes  
**Position of publication:** 21  
**No. of journals in the cat.:** 86
- 41** J. Fernández; A. Etxeberria; J. R. Sarasua. Synthesis and properties of  $\gamma$ -pentadecalactone-co- $\gamma$ -hexalactone copolymers: A biodegradable thermoplastic elastomer as an alternative to poly( $\gamma$ -caprolactone). *RSC Advances*. 6, pp. 3137 - 3149. Royal Chemical Society, 2016. ISSN 2046-2069  
**DOI:** 10.1039/C5RA23404B  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - CHEMISTRY, MULTIDISCIPLINARY  
**Impact index in year of publication:** 3.108  
**Journal in the top 25%:** No  
**Position of publication:** 59  
**No. of journals in the cat.:** 166
- 42** J. K. Palacios; A. Sangroniz; A. Santamaría; J. I. Eguiazabal; A. Etxeberria; A. J. Müller. Tailoring the properties of PP/PA6 blends by the addition of nanosilica and compatibilizer agents. *European Polymer Journal*. 85, pp. 532 - 552. 2016. ISSN 0014-3057  
**DOI:** 10.1016/j.eurpolymj.2016.11.010  
**Type of production:** Scientific paper  
**Format:** Journal  
**Corresponding author:** No  
**Impact source:** ISI  
**Category:** Science Edition - POLYMER SCIENCE  
**Impact index in year of publication:** 3.531  
**Journal in the top 25%:** Yes  
**Position of publication:** 13  
**No. of journals in the cat.:** 86
- 43** J. Fernández; A. Etxeberria; J. R. Sarasua. Crystallization and melting behavior of poly( $\gamma$ -caprolactone-co- $\gamma$ -valerolactone) and poly( $\gamma$ -caprolactone-co-L-Lactide) copolymers with novel chain microstructures. *Journal of Applied Polymer Science*. 132, pp. : 42534 (14 pg.). Wiley, 2015. ISSN 1097-4628  
**DOI:** 10.1002/app.42534  
**Type of production:** Scientific paper  
**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 1.866

**Position of publication:** 35

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** No

**No. of journals in the cat.:** 85

- 44** J. Fernández; A. Etxeberria; J. R. Sarasua. In vitro degradation of poly(lactide/?-valerolactone) copolymers. Polymer Degradation and Stability Journal. 112, pp. 104 - 116. Elsevier, 2015. ISSN 0141-3910

**DOI:** 10.1016/j.polymdegradstab.2014.12.019

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 3.12

**Journal in the top 25%:** Yes

**Position of publication:** 17

**No. of journals in the cat.:** 85

- 45** J. Fernández; A. Etxeberria; J. R. Sarasua. In vitro degradation studies and mechanical behavior of poly(?-caprolactone-co-?-valerolactone) and poly(?-caprolactone-co-L-lactide) with random and semi-alternating chain microstructures. European Polymer Journal. 71, pp. 585 - 595. Elsevier, 2015. ISSN 0014-3057

**DOI:** 10.1016/j.eurpolymj.2015.09.001

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 3.485

**Journal in the top 25%:** Yes

**Position of publication:** 13

**No. of journals in the cat.:** 85

- 46** J. Fernández; A. Etxeberria; A. Larrañaga Varga; J. R. Sarasua. Synthesis and characterization of ?-pentadecalactone-co-?-decalactone copolymers: Evaluation of thermal, mechanical and biodegradation properties. Polymer. 81, pp. 12 - 22. Elsevier, 2015. ISSN 0032-3861

**DOI:** 10.1016/j.polymer.2015.11.001

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 3.586

**Journal in the top 25%:** Yes

**Position of publication:** 12

**No. of journals in the cat.:** 85

- 47** J. Fernández; A. Larrañaga; A. Etxeberria; W. Wang; J. R. Sarasua. A new generation of poly(lactide/?-caprolactone) polymeric biomaterials for application in the medical field. Journal of Biomedical Materials Research: Part A. 102, pp. 3573 - 3584. 2014. ISSN 1552-4965

**DOI:** 10.1002/jbm.a.35036

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - ENGINEERING, BIOMEDICAL

**Impact index in year of publication:** 3.369

**Journal in the top 25%:** Yes

**Position of publication:** 13

**No. of journals in the cat.:** 76

- 48** J. Fernández; A. Larrañaga; A. Etxeberria; J. R. Sarasua. Crystallization and its effect on the mechanical properties of a medium chain length polyhydroxyalkanoate. JMBBM. 39, pp. 87 - 94. Elsevier, 2014. ISSN 1751-6161

**DOI:** 10.1016/j.jmbbm.2014.07.020

**Type of production:** Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 3.417**Position of publication:** 11**Format:** Journal**Category:** Science Edition - ENGINEERING, BIOMEDICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 76

- 49** H. Bourara; S. Hadjout; Z. Benabdelghani; A. Etxeberria. Miscibility and Hydrogen Bonding in Blends of Poly(4-vinylphenol)/Poly(vinyl methyl ketone). *Polymers*. 6, pp. 2752 - 2763. MDPI AG, 2014. ISSN 2073-4360

**DOI:** 10.3390/polym6112752**Type of production:** Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 3.681**Position of publication:** 13**Format:** Journal**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 82

- 50** A. Lejardi; R. Hernández; M. Criado; J. I. Santos; A. Etxebarria; J. R. Sarasua; C. Mijangos. Novel hydrogels of chitosan and poly(vinyl alcohol)-g-poly(glycolic acid) copolymer with enhanced rheological properties. *Carbohydrate Polymers*. 103, pp. 267 - 273. Elsevier, 2014. ISSN 0144-8617

**DOI:** 10.1016/j.carbpol.2013.12.040**Type of production:** Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 4.074**Position of publication:** 9**Format:** Journal**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 82

- 51** A. Sangroniz; M. Iriarte; A. Etxeberria. Poli(butilen adipato-ko-tereftalato)/Fenoxi sistemaren nahaskortasuna eta hesi-propietateen aldaketa. *Ekaia*. 27, pp. 181 - 192. EHU/UPV, 2014. ISSN 0214-9001

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

- 52** J. Fernández; A. Larrañaga; A. Etxeberria; J. R. Sarasua. Tensile behavior and dynamic mechanical analysis of poly(Lactide- $\gamma$ -valerolactone) statistical copolymers. *JMBBM*. 35, pp. 39 - 50. Elsevier, 2014. ISSN 1751-6161

**DOI:** 10.1016/j.jmbbm.2014.03.013**Type of production:** Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 3.417**Position of publication:** 11**Format:** Journal**Category:** Science Edition - ENGINEERING, BIOMEDICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 76

- 53** A. Saralegi; A. Etxeberria; B. Fernández-d'Arlas; I. Mondragon; A. Eceiza; M. A. Corcuera. Effect of H12MDI isomer composition on mechanical and physico-chemical properties of polyurethanes based on amorphous and semicrystalline soft segments. *Polymer Bull.* 70, pp. 2193 - 2210. Springer, 2013. ISSN 0170-0839

**DOI:** 10.1007/s00289-013-0930-3**Type of production:** Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 1.491**Format:** Journal**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** No

**Position of publication:** 42**No. of journals in the cat.:** 82

- 54** J. Fernández; A. Larrañaga; A. Etxeberria; J. R. Sarasua. Effects of chain microstructures and derived crystallization capability on hydrolytic degradation of poly(L-lactide/?-caprolactone) copolymers. Polym. Deg. Stab.98, pp. 481 - 489. Elsevier, 2013. ISSN 0141-3910  
**DOI:** 10.1016/j.polymdegradstab.2012.12.014  
**Type of production:** Scientific paper  
**Corresponding author:** No  
**Impact source:** ISI  
**Impact index in year of publication:** 2.633  
**Position of publication:** 23  
**Format:** Journal  
**Category:** Science Edition - POLYMER SCIENCE  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 82
- 55** J. Fernández; A. Etxeberria; J. R. Sarasua. Effects of repeat unit sequence distribution and residual catalyst on thermal degradation of poly(L-lactide/?-caprolactone) statistical copolymers. Polym. Deg. Stab.98, pp. 1293 - 1299. Elsevier, 2013. ISSN 0141-3910  
**DOI:** 10.1016/j.polymdegradstab.2013.04.003  
**Type of production:** Scientific paper  
**Corresponding author:** No  
**Impact source:** ISI  
**Impact index in year of publication:** 2.633  
**Position of publication:** 23  
**Format:** Journal  
**Category:** Science Edition - POLYMER SCIENCE  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 82
- 56** A. Sanchez-Sanchez; S. Akbari; A. Etxeberria; A. Arbe; U. Gasser; A. Moreno; J. Colmenero; J. A. Pomposo. Michael<sup>1</sup> Nanocarriers Mimicking Transient-Binding Disordered Proteins. ACS Macro Lett.2, pp. 491 - 495. American Chemical Society, 2013. ISSN 2161-1653  
**DOI:** 10.1021/mz400173c  
**Type of production:** Scientific paper  
**Corresponding author:** No  
**Impact source:** ISI  
**Impact index in year of publication:** 5.242  
**Position of publication:** 6  
**Format:** Journal  
**Category:** Science Edition - POLYMER SCIENCE  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 82
- 57** Ch. Belabed; A. Abdi; Z. Benabdelghani; G. Rekhila; A. Etxeberria; M. Trari. Photoelectrochemical Properties of Doped Polyaniline: Application to Hydrogen Photoproduction. Int. J. Hydrogen Energy. 38, pp. 6593 - 6599. Elsevier, 2013. ISSN 0360-3199  
**DOI:** 10.1016/j.ijhydene.2013.03.085  
**Type of production:** Scientific paper  
**Corresponding author:** No  
**Impact source:** ISI  
**Impact index in year of publication:** 2.93  
**Position of publication:** 7  
**Format:** Journal  
**Category:** Science Edition - ELECTROCHEMISTRY  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 28
- 58** A. Agirre; J. I. Santos; A. Etxeberria; J. R. Leiza. Polymerization of n-Butyl Acrylate with Large Concentration of Chain Transfer Agent(CBr<sub>4</sub>): Detailed Characterization by 1D and 2D NMR, SEC/MALS, Maldi-ToF and Impact on Branching. Polymer Chem.4, pp. 2062 - 2079. Royal Chemical Society, 2013. ISSN 1759-9962  
**DOI:** 10.1039/c2py21123h  
**Type of production:** Scientific paper  
**Corresponding author:** No  
**Impact source:** ISI  
**Format:** Journal  
**Category:** Science Edition - POLYMER SCIENCE



**Impact index in year of publication:** 5.368  
**Position of publication:** 5

**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 82

- 59** J. Fernández; E. Meaurio; A. Chaos; A. Etxeberria; A. Alonso-Varona; J. R. Sarasua. Synthesis and characterization of poly (L-lactide/?-caprolactone) statistical copolymers with well resolved chain microstructures. *Polymer*. 54, pp. 2621 - 2631. Elsevier, 2013. ISSN 0032-3861

**DOI:** 10.1016/j.polymer.2013.03.009

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 3.766

**Journal in the top 25%:** Yes

**Position of publication:** 12

**No. of journals in the cat.:** 82

- 60** J. Fernández; A. Etxeberria; J. R. Sarasua. Effects of chain microstructures on mechanical properties and aging of A poly(L-lactide-co-?-caprolactone) biomedical thermoplastic-elastomer. *JMBBM*. 12, pp. 29 - 38. Elsevier, 2012. ISSN 1751-6161

**DOI:** 10.1016/j.jmbbm.2012.03.008

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - ENGINEERING, BIOMEDICAL

**Impact index in year of publication:** 2.368

**Journal in the top 25%:** No

**Position of publication:** 25

**No. of journals in the cat.:** 78

- 61** Z. Benabdelghani; A. Etxeberria. Hydrogen Bonds in Blends of Poly(vinylphenol-co-methylmethacrylate)/ Poly(vinylmethylketone). *Macromolecular Symposia*. 321 - 322, pp. 170 - 174. Wiley, 2012. ISSN 1521-3900

**DOI:** 10.1002/masy.201251130

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 0.913

**Journal in the top 25%:** No

**Position of publication:** 40

**No. of journals in the cat.:** 77

- 62** S. Eceolaza; M. Iriarte; C. Uriarte; J. del Rio; A. Etxeberria. Influence of the Organic Compounds Addition in the Polymer Free Volume, Gas Sorption and Diffusion. *Eur. Polym. J.*48, pp. 1218 - 1229. Elsevier, 2012. ISSN 0014-3057

**DOI:** 10.1016/j.eurpolymj.2012.04.018

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 2.562

**Journal in the top 25%:** Yes

**Position of publication:** 17

**No. of journals in the cat.:** 83

- 63** Ch. Belabed; Z. Benabdelghani; A. Granado; A. Etxeberria. Miscibility and Specific Interactions in Blends of Poly(4-vinylphenol-co-methyl methacrylate) / Poly(styrene-co-4-vinylpyridine). *J. Appl. Polym. Sci.*125, pp. 3811 - 3819. Wiley, 2012. ISSN 1097-4628

**DOI:** 10.1002/app.36343

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No



**Impact source:** ISI**Impact index in year of publication:** 1.64**Position of publication:** 38**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** No**No. of journals in the cat.:** 83

- 64** A. Chaos; J. M. García; M. Iriarte; J. Fernández; J.R. Sarasua; A. Etxeberria. Miscibility and Transport Properties of Poly(lactide)/Phenoxy System. Macromolecular Symposia. 321 - 322, pp. 20 - 24. Wiley, 2012. ISSN 1521-3900

**DOI:** 10.1002/masy.201251103**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 0.913**Journal in the top 25%:** No**Position of publication:** 40**No. of journals in the cat.:** 77

- 65** A. Lejardi; A. Etxeberria; E. Meaurio; J. R. Sarasua. Novel Poly(Vinyl Alcohol)-g-Poly(Hydroxy Acid) Copolymers: Synthesis and Characterization. Polymer. 53, pp. 50 - 59. Elsevier, 2012. ISSN 0032-3861

**DOI:** 10.1016/j.polymer.2011.11.029**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 3.379**Journal in the top 25%:** Yes**Position of publication:** 15**No. of journals in the cat.:** 83

- 66** J. Fernández; A. Etxeberria; J. R. Sarasua. Synthesis, structure and properties of poly(L-lactide-co-ε-caprolactone) statistical copolymers. JMBBM. 9, pp. 100 - 112. Elsevier, 2012. ISSN 1751-6161

**DOI:** 10.1016/j.jmbbm.2012.01.003**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Biomedical Engineering**Impact index in year of publication:** 2.368**Journal in the top 25%:** No**Position of publication:** 25**No. of journals in the cat.:** 78

- 67** Z. Benabdelghani; Ch. Belabed; A. Etxeberria. Thermodynamic Study of Blends of Poly(4-vinylphenol-co-methyl methacrylate)/Poly(styrene-co-4-vinylpyridine) by Inverse Gas Chromatography. Macromolecular Symposia. 321 - 322, pp. 175 - 178. Wiley, 2012. ISSN 1521-3900

**DOI:** 10.1002/masy.201251131**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 0.913**Journal in the top 25%:** No**Position of publication:** 40**No. of journals in the cat.:** 77

- 68** J. A. Pomposo; A. Ruiz de Luzuriaga; I. García; A. Etxeberria; J. Colmenero. A Nanotechnology Pathway to Arresting Phase Separation in Soft Nanocomposites. Macromol. Rapid. Commun. 32, pp. 573 - 578. Wiley, 2011. ISSN 1521-3927

**DOI:** 10.1002/marc.201000720**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE





**Impact index in year of publication:** 4.596  
**Position of publication:** 6

**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 78

- 69** Z. Benabdelghani; A. Etxeberria. The Phase Behavior and Thermal Stability of Blends of Poly(styrene-co-methacrylic acid)/Poly(styrene-co-4-vinylpyridine). J. Appl. Polym. Sci.121, pp. 462 - 468. Wiley, 2011. ISSN 1097-4628

**DOI:** 10.1002/app.33587

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 1.289

**Journal in the top 25%:** No

**Position of publication:** 40

**No. of journals in the cat.:** 78

- 70** J. del Río; A. Etxeberria; N. López-Rodríguez; E. Lizundia; J. R. Sarasua. A PALS contribution to the supramolecular structure of poly (l-lactide). Macromolecules. 43, pp. 4698 - 4707. Macromolecules, 2010. ISSN 0024-9297

**DOI:** 10.1021/ma902247y

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 4.838

**Journal in the top 25%:** Yes

**Position of publication:** 5

**No. of journals in the cat.:** 79

- 71** A. Ruiz de Luzuriaga; I. García; D. Mecerreyes; A. Etxeberria; J. A. Pomposo. Design and Stabilization of Block Copolymer Micelles via Phenol-Pyridine Hydrogen Bonding Interactions. Polymer. 51, pp. 1355 - 1362. Polymer, 2010. ISSN 0032-3861

**DOI:** 10.1016/j.polymer.2010.01.032

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 3.829

**Journal in the top 25%:** Yes

**Position of publication:** 9

**No. of journals in the cat.:** 79

- 72** S. Eceolaza; M. Iriarte; C. Uriarte; A. Etxeberria. Barrier property enhancement of PA 6 by blending with a polyhydroxyamino-ether resin. J. Polym. Sci.; Polym. Phys.47, pp. 1625 - 1634. Wiley, 2009. ISSN 1099-0488

**DOI:** 10.1002/polb.21764

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 1.586

**Journal in the top 25%:** No

**Position of publication:** 30

**No. of journals in the cat.:** 76

- 73** A. Ruiz de Luzuriaga; J. A. Pomposo; H. Grande; A. Etxeberria. Kinetics of core-shell nanoparticle formation by two-dimensional nuclear magnetic resonance. Macromol. Rapid. Commun.30, pp. 932 - 935. Wiley, 2009. ISSN 1521-3927

**DOI:** 10.1002/marc.200800756

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE



**Impact index in year of publication:** 4.263  
**Position of publication:** 7

**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 76

- 74** S. Montes; H. Grande; A. Etxeberria; J. A. Pomposo. Miscibility Enhancement in All-Polymer Nanocomposites Composed of Weakly-Charged Flexible Chains and Polar Nanoparticles. J. Nano Res.6, pp. 123 - 132. Trans Tech Publications, 2009. ISSN 1661-9897

**DOI:** 10.4028/www.scientific.net/JNanoR.6.123

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

**Impact index in year of publication:** 0.571

**Journal in the top 25%:** No

**Position of publication:** 160

**No. of journals in the cat.:** 214

- 75** S. Montes; A. Etxeberria; J. Rodríguez; J. A. Pomposo. Homogenization of mutually immiscible polymers using nanoscale effects: A theoretical study. Res. Let. Phys. Chem.2008, pp. 1 - 4. Hindawi Publishing Corporation, 2008. ISSN 1687-6881

**DOI:** 10.1155/2008/504917

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** SCOPUS

**Category:** Physical and Theoretical Chemistry

**Impact index in year of publication:** 0.184

**Journal in the top 25%:** No

**Position of publication:** 121

**No. of journals in the cat.:** 146

- 76** J. A. Pomposo; A. Ruiz de Luzuriaga; A. Etxeberria and J. Rodríguez. Key role of entropy in nanoparticle dispersion: polystyrene-nanoparticle/linear-polystyrene nanocomposites as a model system. Phys. Chem. Chem. Phys.10, pp. 650 - 651. Royal Society of Chemistry, 2008. ISSN 1463-9076

**DOI:** 10.1039/B714107F

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - CHEMISTRY, PHYSICAL

**Impact index in year of publication:** 4.064

**Journal in the top 25%:** Yes

**Position of publication:** 24

**No. of journals in the cat.:** 113

- 77** A. Ruiz de Luzuriaga; A. Etxeberria; J. Rodríguez; J. A. Pomposo. Phase Diagram and Entropic Interaction Parameter of Athermal All-Polymer Nanocomposites. Polym. Adv. Tech.19, pp. 756 - 761. Wiley, 2008. ISSN 1099-1581

**DOI:** 10.1002/pat.1029

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 2.107

**Journal in the top 25%:** No

**Position of publication:** 20

**No. of journals in the cat.:** 72

- 78** Z. Benabdelghani; S. Djadoun; A. Etxeberria; J. J Iruin; C. Uriarte. Phase behavior of binary and ternary blends of poly(styrene-co-methacrylic acid), poly(styrene-co-4-vinylpyridine) and poly(2,6-dimethyl-1,4-phenylene oxide). J. Appl. Polym. Sci.108, pp. 220 - 227. Wiley, 2008. ISSN 1097-4628

**DOI:** 10.1002/app.27438

**Type of production:** Scientific paper

**Format:** Journal



**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 1.008

**Position of publication:** 39

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** No

**No. of journals in the cat.:** 74

- 79** A. García; S. Eceolaza; M. Iriarte; C. Uriarte; A. Etxeberria. Barrier character improvement of an amorphous polyamide (Trogamid) by the addition of a nanoclay. J. Memb. Sci.301, pp. 190 - 199. Elsevier, 2007. ISSN 0376-7388

**DOI:** 10.1016/j.memsci.2007.06.018

**Type of production:** Scientific paper

**Corresponding author:** Yes

**Impact source:** ISI

**Impact index in year of publication:** 2.432

**Position of publication:** 11

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 74

- 80** A. Gonzalez; S. Eceolaza; A. Etxeberria; J. J. Iruin. Diffusivity of ethylene and propylene in atactic and isotactic polypropylene: morphology effects and free-volume simulations. J. Appl. Polym. Sci.104, pp. 3871 - 3878. Wiley, 2007. ISSN 1097-4628

**DOI:** 10.1002/app.26000

**Type of production:** Scientific paper

**Corresponding author:** Yes

**Impact source:** ISI

**Impact index in year of publication:** 1.008

**Position of publication:** 39

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** No

**No. of journals in the cat.:** 74

- 81** E. Zuza; E. Meaurio; A. Etxeberria; J. R. Sarasua. Exothermal Process in Miscible Polylactide / Poly(vinylphenol) Blends: Mixing Enthalpy or Chemical Reaction?. Macromol. Rapid Comm.27, pp. 2026 - 2031. Wiley, 2006. ISSN 1521-3927

**DOI:** 10.1002/marc.200600571

**Type of production:** Scientific paper

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 3.164

**Position of publication:** 7

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 75

- 82** A. Garcia; M. Iriarte; C. Uriarte; A. Etxeberria. Study of the Relationship between Transport Properties and Free Volume Based in Polyamide Blends. J. Memb. Sci.284, pp. 173 - 179. Elsevier, 2006. ISSN 0376-7388

**DOI:** 10.1016/j.memsci.2006.07.033

**Type of production:** Scientific paper

**Corresponding author:** Yes

**Impact source:** ISI

**Impact index in year of publication:** 3.442

**Position of publication:** 5

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 75

- 83** Z. Benabdelghani; A. Etxeberria; S. Djadoun; J.J Iruin; C. Uriarte. The phase behaviour of Poly(styrene-co-methacrylic acid) / Poly(2,6-dimethyl-1,4-phenylene oxide) by Inverse Gas Chromatography (IGC). J. Chrom. A.1127, pp. 237 - 245. Elsevier, 2006. ISSN 0021-9673

**DOI:** 10.1016/j.chroma.2006.05.093

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Impact index in year of publication:** 3.554

**Position of publication:** 6

**Category:** Science Edition - CHEMISTRY, ANALYTICAL

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 68

- 84** A. Etxeberria; A. Garcia; M. Iriarte; J.J. Iruin; C. Uriarte. Transport Properties of the Trogamid: Comparison of different experimental techniques. J. Appl. Polym. Sci.102, pp. 2034 - 2042. Wiley, 2006. ISSN 1097-4628

**DOI:** 10.1002/app.24055

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 1.306

**Journal in the top 25%:** No

**Position of publication:** 29

**No. of journals in the cat.:** 75

- 85** A. Garcia; M. Iriarte; C. Uriarte; J.J. Iruin; A. Etxeberria; J. del Rio. Antiplasticization of a polyamide: a positron annihilation lifetime spectroscopy study. Polymer. 45, pp. 2949 - 2957. Elsevier, 2004. ISSN 0032-3861

**DOI:** 10.1016/j.polymer.2004.02.045

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 2.433

**Journal in the top 25%:** Yes

**Position of publication:** 7

**No. of journals in the cat.:** 75

- 86** C. Etxabarren; M. Iriarte; C. Uriarte; A. Etxeberria; J.J. Iruin. Determination of diffusion coefficients of organic solvents in polyepichlorohydrin. A comparative study between inverse gas chromatography and sorption methods. J. Appl. Polym. Sci.89, pp. 2216 - 2223. Wiley, 2003. ISSN 1097-4628

**DOI:** 10.1002/app.12423

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 1.017

**Journal in the top 25%:** No

**Position of publication:** 25

**No. of journals in the cat.:** 72

- 87** C. Etxabarren; M. Iriarte; C. Uriarte; A. Etxeberria; J.J. Iruin. Polymer-Solvent interaction parameters in polymer solutions at high polymer concentrations. J. Chrom. A. 969, pp. 245 - 254. Elsevier, 2002. ISSN 0021-9673

**DOI:** 10.1016/S0021-9673(02)00886-5

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - CHEMISTRY, ANALYTICAL

**Impact index in year of publication:** 3.098

**Journal in the top 25%:** Yes

**Position of publication:** 6

**No. of journals in the cat.:** 67

- 88** A. Etxeberria; J.J. Iruin; A. Unanue; P.J. Iriondo; M.J. Fernández-Berridi; A. Martinez de Ilarduya. Miscibility windows of poly (vinyl methyl ether) with modified Phenoxy resin. Eur. Polym. J.37, pp. 1943 - 1950. Elsevier, 2001. ISSN 0014-3057

**DOI:** 10.1016/S0014-3057(01)00092-1

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

**Impact source:** ISI**Impact index in year of publication:** 0.799**Position of publication:** 31**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** No**No. of journals in the cat.:** 73

- 89** A. Etxeberria; C. Etxabarren; J.J. Iruin. Comparison between static (sorption) and dynamic (IGC) methods in the determination of interaction parameters in polymer/polymer blends. *Macromolecules*. 33, pp. 9115 - 9121. American Chemical Society, 2000. ISSN 0024-9297

**DOI:** 10.1021/ma992173i**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 3.697**Journal in the top 25%:** Yes**Position of publication:** 3**No. of journals in the cat.:** 69

- 90** J.A. Alfageme; M. Iriarte; J.J. Iruin; A. Etxeberria; C. Uriarte. Water-Transport Properties in Polyetherimide Blends with a Liquid Crystal Polymer. *J. Appl. Polym. Sci.* 73, pp. 323 - 332. Wiley, 1999. ISSN 1097-4628

**DOI:** 10.1002/(SICI)1097-4628(19990718)73:3<323::AID-APP3>3.0.CO;2-6**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 0.952**Journal in the top 25%:** No**Position of publication:** 19**No. of journals in the cat.:** 70

- 91** A. Etxeberria; S. Guezala; J.J. Iruin; J. G. de la Campa; J. de Abajo. Blends of poly (ether imide) and an aromatic poly (ether amide): Phase behaviour and CO<sub>2</sub> transport properties. *J. Appl. Polym. Sci.* 68, pp. 2141 - 2149. Wiley, 1998. ISSN 1097-4628

**DOI:** 10.1002/(SICI)1097-4628(19980627)68:13<2141::AID-APP10>3.0.CO;2-2**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 0.886**Journal in the top 25%:** No**Position of publication:** 24**No. of journals in the cat.:** 67

- 92** A. Etxeberria; S. Guezala; J.J. Iruin; J. G. de la Campa; J. de Abajo. Miscibility and interactions in a mixture of poly(ethylene oxide) and an aromatic poly(ether amide). *Polymer*. 39, pp. 1035 - 1042. Elsevier, 1998. ISSN 0032-3861

**DOI:** 10.1016/S0032-3861(97)00398-4**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 1.37**Journal in the top 25%:** Yes**Position of publication:** 11**No. of journals in the cat.:** 67

- 93** A. Etxeberria; A. Unanue; C. Uriarte; J.J. Iruin. Interaction energies in polymer/polymer mixtures. *Polymer*. 38, pp. 4085 - 4090. Elsevier, 1997. ISSN 0032-3861

**DOI:** 10.1016/S0032-3861(96)00976-7**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No





**Impact source:** ISI

**Impact index in year of publication:** 1.358

**Position of publication:** 9

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 52

- 94** A. Etxeberria; M. Iriarte; J.J. Iruin. Enthalpies of Mixing in Polymer Blends of Chlorinated Polymers: Application of a Group Contribution Method. *Macromolecules*. 28, pp. 589 - 595. American Chemical Society, 1995. ISSN 0024-9297

**DOI:** 10.1021/ma00106a025

**Type of production:** Scientific paper

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 3.155

**Position of publication:** 2

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 51

- 95** C. Uriarte; J. Alfageme; A. Etxeberria; J.J. Iruin. Gas Chromatographic Measurements of solute diffusion in Blends of Phenoxy and Poly (1,4-Butylene Adipate). *Eur. Polym. J.* 31, pp. 609 - 614. Elsevier, 1995. ISSN 0014-3057

**DOI:** 10.1016/0014-3057(95)00034-8

**Type of production:** Scientific paper

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 0.804

**Position of publication:** 26

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** No

**No. of journals in the cat.:** 51

- 96** A. Etxeberria; M. Iriarte; C. Uriarte; J.J. Iruin. Lattice Fluid Theory and Inverse Gas Chromatography in the analysis of polymer-polymer interactions. *Macromolecules*. 28, pp. 7188 - 7195. American Chemical Society, 1995. ISSN 0024-9297

**DOI:** 10.1021/ma00125a022

**Type of production:** Scientific paper

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 3.155

**Position of publication:** 2

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 52

- 97** R. de Juana; A Etxeberria; M. Cortázar; J.J. Iruin. A Study of mixtures of poly(hydroxy ether of Bisphenol A) and poly(?-caprolactone) by inverse gas chromatography (IGC). *Macromolecules*. 27, pp. 1395 - 1400. American Chemical Society, 1994. ISSN 0024-9297

**DOI:** 10.1021/ma00084a018

**Type of production:** Scientific paper

**Corresponding author:** No

**Impact source:** ISI

**Impact index in year of publication:** 3.016

**Position of publication:** 2

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 48

- 98** A. Etxeberria; C. Uriarte; M.J. Fernández-Berridi; J.J. Iruin. Estimation of interaction parameters of a Poly(hydroxy ether of Bisphenol A) / poly(vinyl methyl ether) blend by inverse gas chromatography. *Polymer*. 35, pp. 2128 - 2132. Elsevier, 1994. ISSN 0032-3861

**DOI:** 10.1016/0032-3861(94)90238-0

**Type of production:** Scientific paper

**Corresponding author:** No

**Format:** Journal



**Impact source:** ISI**Impact index in year of publication:** 1.36**Position of publication:** 8**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 48

- 99** A. Etxeberria; C. Uriarte; M.J. Fernández-Berridi; J.J. Iruin. Probing polymer-polymer interaction parameters in miscible blends by inverse gas chromatography. *Macromolecules*. 27, pp. 1245 - 1248. American Chemical Society, 1994. ISSN 0024-9297

**DOI:** 10.1021/ma00083a026**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 3.016**Journal in the top 25%:** Yes**Position of publication:** 2**No. of journals in the cat.:** 48

- 100** C. Marco; M.A. Gómez; J.G. Fatou; A. Etxeberria; J.M. Elorza; J.J. Iruin. Miscibility of poly (vinyl chloride)/ poly (ethylene oxide) blends. Part I. Thermal Properties and Solid State <sup>13</sup>C NMR Study. *Eur. Polym. J.* 29, pp. 1477 - 1482. Elsevier, 1993. ISSN 0014-3057

**DOI:** 10.1016/0014-3057(93)90062-K**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 0.852**Journal in the top 25%:** No**Position of publication:** 22**No. of journals in the cat.:** 44

- 101** A. Etxeberria; J.M. Elorza; J.J. Iruin C. Marco; M.A. Gómez; J.G. Fatou. Miscibility of poly (vinyl chloride)/ poly (ethylene oxide) blends. Part II. An Inverse Gas Chromatography study. *Eur. Polym. J.* 29, pp. 1483 - 1487. Elsevier, 1993. ISSN 0014-3057

**DOI:** 10.1016/0014-3057(93)90063-L**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 0.852**Journal in the top 25%:** No**Position of publication:** 22**No. of journals in the cat.:** 44

- 102** J.A. Pomposo; A. Etxeberria; M. Cortázar. Group Contribution Method for Predicting polymer-polymer miscibility: Binary Blends of Poly (vinyl phenol) and ester-containing polymers. *Macromolecules*. 25, pp. 6909 - 6914. American Chemical Society, 1992. ISSN 0024-9297

**DOI:** 10.1021/ma00051a029**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 2.851**Journal in the top 25%:** Yes**Position of publication:** 1**No. of journals in the cat.:** 44

- 103** A. Etxeberria; J. Alfageme; C. Uriarte; J.J. Iruin. Inverse Gas Chromatography in the characterization of polymeric materials. *J. Chromatogr.* 607, pp. 227 - 237. Elsevier, 1992. ISSN 0021-9673

**DOI:** 10.1016/0021-9673(92)87080-R**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No

**Impact source:** ISI**Impact index in year of publication:** 1.958**Position of publication:** 10**Category:** Science Edition - CHEMISTRY, ANALYTICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 43

- 104** M. Iriarte; E. Espí; A Etcheberria; M. Valero; M.J. Fernández-Berridi; J.J. Iruin. Miscible Blends of Poly (ethylene oxide) and Poly (hydroxy ether of Bisphenol A) (Phenoxy). *Macromolecules*. 24, pp. 5546 - 5551. American Chemical Society, 1991. ISSN 0024-9297

**DOI:** 10.1021/ma00020a011**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 2.863**Journal in the top 25%:** Yes**Position of publication:** 1**No. of journals in the cat.:** 42

- 105** M. Iriarte; J.I. Iribarren; A. Etcheberria; J.J. Iruin. Crystallization and melting behaviour of poly(hydroxy ether of Bisphenol A)/Poly(ethylene oxide) Blends. *Polymer*. 30, pp. 1160 - 1165. Elsevier, 1989. ISSN 0032-3861

**DOI:** 10.1016/0032-3861(89)90098-0**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - POLYMER SCIENCE**Impact index in year of publication:** 1.499**Journal in the top 25%:** Yes**Position of publication:** 4**No. of journals in the cat.:** 41

- 106** Ainara Sangroniz; Agustin Etcheberria; Marian Iriarte. Polímero biodegradable perfecto en la Zientzia Kaiera, Cátedra de Cultura Científica <https://zientziakaiera.eus/2016/06/21/polimero-biodegradable-hondakin-plastikoei-amaiera-emateko-bidea/>. Zientzia Kaiera. Cátedra de Cultura Científica UPV/EHU, 21/06/2016. Available on-line at: <https://zientziakaiera.eus/2016/06/21/polimero-biodegradable-hondakin-plastikoei-amaiera-emateko-bidea/>.

**Type of production:** Popular science article**Corresponding author:** No

- 107** Ainara Sangroniz; Agustin Etcheberria; Marian Iriarte. Polímero biodegradable: ¿hondakin plastikoei amaiera emateko bidea? Zientzia Kaiera, Cátedra de Cultura Científica <https://zientziakaiera.eus/2015/05/28/polimero-biodegradable-perfektua-bila/>. Zientzia Kaiera. Cátedra de Cultura Científica UPV/EHU, 28/05/2015. Available on-line at: <https://zientziakaiera.eus/2015/05/28/polimero-biodegradable-perfektua-bila/>.

**Type of production:** Popular science article**Corresponding author:** No

- 108** Agustin Etcheberria. Polímeros en el mundo complejo. Revista: Elhuyar, 279, 48-49, 2011 (. 279, pp. 48 - 49. Elhuyar, 2011. ISSN 0213-3687

**Type of production:** Popular science article**Format:** Journal**Corresponding author:** Yes

- 109** M. Iriarte; A. Etcheberria. Envueltos en polímeros. *Química Universal*. 3, pp. 1 - 3. 2004. Available on-line at: <http://www.interempresas.net/Quimica/Articulos/8130-Envueltos-en-polimeros.html>.

**Type of production:** Popular science article**Format:** Journal**Degree of contribution:** Author or co-author of educational publication**Corresponding author:** Yes

- 110** A. Santamaria; L. Sangroniz; A. Sangroniz; M. Fernández; A. Etxeberria; A. J. Müller. Upgrading Recycled Polyolefins as Stimuli Responsive Materials. Proceedings of the Iberian Meeting on Rheology (IBEREO 2019). pp. 100 - 103. 2019. ISBN 978-3-030-27700-0  
**DOI:** 10.1007/978-3-030-2701-7  
**Type of production:** Book chapter  
**Corresponding author:** No  
**Relevant results:** Esta comunicación es una ampliación del abstract enviado inicialmente al congreso y pasó un proceso de revisión similar al de un artículo
- 111** J. R. Sarasua; S. Petisco; J. Fernández; A. Etxeberria; A. Lejardi; J. M. Ugartemendia. Aging effects, crystallinity and phase structure of polylactides. 24th European Conference on Biomaterials. pp. 135 - 142. 2011. ISBN 978-88-7587-630-2  
**Type of production:** Book chapter **Format:** Book  
**Corresponding author:** No  
**Relevant results:** Nota: Esta comunicación es una ampliación del abstract enviado inicialmente al congreso y pasó un proceso de revisión similar al de un artículo.
- 112** A. Lejardi; E. Meaurio; N. Monasterio; E. Zuza; A. Etxeberria; J. R. Sarasua. Improving the compatibility of poly(?-caprolactone)(poly(vinyl alcohol) blends. Society of Plastics Engineers 67th Annual Technical Conference 2009. 2009, pp. 2957 - 2961. Society of Plastics, 2009. ISBN 9780975370773  
**Type of production:** Book chapter **Format:** Book  
**Corresponding author:** No  
**Relevant results:** Nota: Esta comunicación es una ampliación del abstract enviado inicialmente al congreso y pasó un proceso de revisión similar al de un artículo
- 113** A. Etxeberria; C. Uriarte; M. Iriarte; C. Etxabarren; J.J. Iruin. Obtention of a reliable Polymer-Polymer interaction by IGC. Recent Developments in Polymer Science. 5, pp. 1 - 27. Trivandrum(India): Transworld Research Network, 2001. ISBN 81-7895-027-8  
**Type of production:** Book chapter **Format:** Book  
**Corresponding author:** Yes

### Works submitted to national or international conferences

- 1** **Title of the work:** Upgrading recycled polyolefins as stimuli responsive materials  
**Name of the conference:** IBEREO 2019  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Oporto, Portugal  
**Date of event:** 04/09/2019  
**End date:** 06/09/2019  
A. Santamaria; L. Sangroniz; A. Sangroniz; M. Fernández; A. Etxeberria; A.J. Müller.
- 2** **Title of the work:** An approach to improve a biodegradable polyester for packaging applications  
**Name of the conference:** BIOPOL-2019  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Estocolmo, Sweden  
**Date of event:** 17/06/2019  
**End date:** 19/06/2019  
A. Sangroniz; L. Sangroniz; A. Santamaria M. Iriarte; A. Etxeberria.



- 3** **Title of the work:** Effect of rigid amorphous fraction and crystallinity on polylactide transport properties  
**Name of the conference:** BIOPOL-2019  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Estocolmo, Sweden  
**Date of event:** 17/06/2019  
**End date:** 19/06/2019  
A. Sangroniz; A. Chaos; J. del Río; J. R. Sarasua; M. Iriarte; A. Etxeberria.
- 4** **Title of the work:** Linear and-linear rheology of associate polymers. Effect of the number of interactions on the viscosity  
**Name of the conference:** 13th Annual European Rheology Conference (AERC)  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Portoroz, Slovenia  
**Date of event:** 08/04/2019  
**End date:** 11/04/2019  
L. Sangroniz; A. Sangroniz; M. Fernandez; A. Muller; A. Etxeberria; A. Santamaria.
- 5** **Title of the work:** Morphology-rheology relationship in ternary polymer blends obtained from recyclable milk bottles  
**Name of the conference:** 13th Annual European Rheology Conference (AERC)  
**Type of participation:** Participatory - poster  
**Corresponding author:** No  
**City of event:** Portoroz, Slovenia  
**Date of event:** 08/04/2019  
**End date:** 11/04/2019  
L. Sangroniz; J. L. Ruiz; A. Sangroniz; M. Fernandez; A. Etxeberria; A. Muller; A. Santamaria.
- 6** **Title of the work:** Are biodegradable polymers good barrier materials for organic solvents?  
**Name of the conference:** 10th ECNP International Conference on Nanostructured Polymers and Nanocomposites  
**Corresponding author:** No  
**City of event:** Donostia,  
**Date of event:** 03/10/2018  
**End date:** 05/10/2018  
A. Sangroniz; M. Iriarte; A. Etxeberria.
- 7** **Title of the work:** Associative Polymers: Analyzing the effect of hydrogen bonds in a thermoplastic polymer  
**Name of the conference:** 10th ECNP International Conference on Nanostructured Polymers and Nanocomposites  
**Corresponding author:** No  
**City of event:** Donostia,  
**Date of event:** 03/10/2018  
**End date:** 05/10/2018  
L. Sangroniz; A. Sangroniz; M. Fernández; A. J. Müller; A. Etxeberria; A. Santamaria.
- 8** **Title of the work:** Stimuli responsive polymer commodity-based nanocomposites  
**Name of the conference:** 10th ECNP International Conference on Nanostructured Polymers and Nanocomposites  
**Corresponding author:** No



**City of event:** Donostia,

**Date of event:** 03/10/2018

**End date:** 05/10/2018

L. Sangroniz; A. Sangroniz; M. Fernández; A. J. Müller; A. Etxeberria; A. Santamaria.

- 9 Title of the work:** Are biodegradable polymers good barrier materials for organic solvents?  
**Name of the conference:** 6th Young Polymer Scientist Conference and Short Course ECNP  
**Corresponding author:** No  
**City of event:** Donostia,  
**Date of event:** 01/10/2018  
**End date:** 02/10/2018  
L. Sangroniz; A. Sangroniz; M. Fernández; A. J. Müller; A. Etxeberria; A. Santamaria.

- 10 Title of the work:** Stimuli responsive polymer commodity-based nanocomposites  
**Name of the conference:** 6th Young Polymer Scientist Conference and Short Course ECNP  
**Corresponding author:** No  
**City of event:** Donostia,  
**Date of event:** 01/10/2018  
**End date:** 02/10/2018  
L. Sangroniz; A. Sangroniz; M. Fernández; A. J. Müller; A. Etxeberria; A. Santamaria.

- 11 Title of the work:** An analysis of the hydrogen bonds of modified phenoxy resins by SAOS, LAOS and extensional flow  
**Name of the conference:** XV Reunión del Grupo Especializado de Polímeros GEP  
**Corresponding author:** No  
**City of event:** Punta Umbría, Huelva,  
**Date of event:** 24/09/2018  
**End date:** 27/09/2018  
L. Sangroniz; A. Sangroniz; M. Fernández; A. J. Müller; A. Etxeberria; A. Santamaria.

- 12 Title of the work:** Blends based on biodegradable poly(butylene adipate-co-terephthalate) for packaging: degradation and transport properties  
**Name of the conference:** 256th ACS National Meeting & Exposition  
**Corresponding author:** No  
**City of event:** Boston, United States of America  
**Date of event:** 19/08/2018  
**End date:** 23/08/2018  
A. Sangroniz; L. Sangroniz; A. Santamaria; M. Iriarte; A. Etxeberria.

- 13 Title of the work:** Polylactide nanocomposites: the influence of the interactions on the light and gas barrier properties  
**Name of the conference:** 256th ACS National Meeting & Exposition  
**Corresponding author:** No  
**City of event:** Boston, United States of America  
**Date of event:** 19/08/2018  
**End date:** 23/08/2018  
A. Sangroniz; E. Lizundia; J.L. Vilas; M. Iriarte; A. Etxeberria.

- 14 Title of the work:** Studying the effect of hydrogen bonds on an amorphous thermoplastic  
**Name of the conference:** 256th ACS National Meeting & Exposition  
**Corresponding author:** No



**City of event:** Boston, United States of America

**Date of event:** 19/08/2018

**End date:** 23/08/2018

A. Sangroniz; L. Sangroniz; A. Muller; M. Iriarte; A. Santamaria; A. Etxeberria.

**15 Title of the work:** Elikagaietarako ontzien karakterizazioa: Raman espektroskopia eta iragazkortasuna

**Name of the conference:** Materialen Zientzia eta Teknologia IV. Kongresua

**Corresponding author:** No

**City of event:** San Sebastián,

**Date of event:** 02/07/2018

**End date:** 03/07/2018

M. Sangroniz; A. Sangroniz; L. Irusta; M. Iriarte; A. Etxeberria.

**16 Title of the work:** Poli(azido laktiko-e-kaprolaktona) kopolimeroak: sintesia, karakterizazioa eta garraio propietateak

**Name of the conference:** Materialen Zientzia eta Teknologia IV. Kongresua

**Corresponding author:** No

**City of event:** San Sebastián,

**Date of event:** 02/07/2018

**End date:** 03/07/2018

L. Rubio; A. Sangroniz; M. Iriarte; A. Etxeberria.

**17 Title of the work:** Análisis de envases alimentarios mediante espectroscopia Raman

**Name of the conference:** SciencePlus. ERA Career Day Bilbao

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Bilbao,

**Date of event:** 16/09/2017

**End date:** 20/09/2017

M. Sangroniz; A. Sangroniz; L. Irusta; M. Iriarte; A. Etxeberria.

**18 Title of the work:** Nanocompuestos biodegradables para aplicaciones en envasado

**Name of the conference:** SciencePlus. ERA Career Day Bilbao

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Bilbao,

**Date of event:** 16/09/2017

**End date:** 20/09/2017

A. Sangroniz; E. Lizundia; J.L. Vilas; M. Iriarte; A. Etxeberria.

**19 Title of the work:** Improving the properties of biodegradable poly(butylene adipate-co-terephthalate) for packaging: from processing to application (Premio. 1 Poster)

**Name of the conference:** IBEREO 2017. The multidisciplinary science of Rheology

**Geographical area:** European Union

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Valencia,

**Date of event:** 06/09/2017

**End date:** 08/09/2017

L. Sangroniz; A. Sangroniz; M. Iriarte; A. Etxeberria; A. Santamaria.





- 20** **Title of the work:** Copolymers based on L-Lactide for potential packaging applications  
**Name of the conference:** 16th EPF European Polymer Congress  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Lyon, France  
**Date of event:** 02/07/2017  
**End date:** 07/07/2017  
A. Sangroniz; A. Basterrechea; M. Iriarte; J. Fernández; A. Etxeberria.
- 21** **Title of the work:** Tailoring the barrier and degradation properties of a biodegradable polymer for packaging applications  
**Name of the conference:** 16th EPF European Polymer Congress  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Lyon, France  
**Date of event:** 02/07/2017  
**End date:** 07/07/2017  
A. Sangroniz; M. Iriarte; E. Meaurio; A. Etxeberria.
- 22** **Title of the work:** The addition of nanosilica and compatibilizing agents to tailor the properties of PP/PA6 blends  
**Name of the conference:** I Jornadas Doctorales de la UPV/EHU  
**Geographical area:** Regional  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Bilbao,  
**Date of event:** 11/07/2016  
**End date:** 12/07/2016  
J. K. Palacios; A. Sangroniz; A. Mugica; M. Zubitur; A. Santamaria; J. I. Eguiazabal; A. Etxeberria; A. J. Muller.
- 23** **Title of the work:** Polimero biodegradagarri batean oinarritutako nahasteak: hesi-propietateak eta degradazioa  
**Name of the conference:** Materialen Zientzia eta Teknologia III. Kongresua  
**Geographical area:** Regional  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Markina-Xemein,  
**Date of event:** 04/07/2016  
**End date:** 07/07/2016  
M. Iriarte; A. Etxeberria; A. Sangroniz.
- 24** **Title of the work:** Physical, mechanical and biodegradable properties of w-pentadecalactone-co-d-hexalactone copolymers  
**Name of the conference:** 10th World Biomaterials Congress  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Montreal, Canada



**Date of event:** 17/05/2016

**End date:** 22/05/2016

J. Fernández; A. Etxeberria; J. R. Sarasua.

**25 Title of the work:** Influence of the preparation method in the miscibility of a blend based on a biodegradable polymer

**Name of the conference:** BIOPOL2015

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** San Sebastián,

**Date of event:** 06/10/2015

**End date:** 09/10/2015

A. Sangroniz; M. Iriarte; A. Etxeberria.

**26 Title of the work:** Novel polymer blend based on biodegradable poly(butylene adipate-co-terephthalate) for packaging applications

**Name of the conference:** BIOPOL2015

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** San Sebastián,

**Date of event:** 06/10/2015

**End date:** 09/10/2015

A. Sangroniz; M. Iriarte; A. Etxeberria.

**27 Title of the work:** Improvement of the barrier properties of a biodegradable polymer by blending

**Name of the conference:** 1st French-Spanish Joint Congress for Young Researchers in Polymers

**Geographical area:** European Union

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

**Corresponding author:** No

**City of event:** San Sebastián,

**Date of event:** 14/09/2015

**End date:** 18/09/2015

A. Sangroniz; M. Iriarte; A. Etxeberria; J. Del Rio.

**28 Title of the work:** Nuevos materiales biodegradables para uso en envasado (Premio. 1 Poster)

**Name of the conference:** SciencePlus

**Geographical area:** Regional

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Bilbao,

**Date of event:** 07/05/2015

**End date:** 09/05/2015

A. Sangroniz; M. Iriarte; A. Etxeberria.

**29 Title of the work:** Polimero biodegradagarri baten hesi propietateen hobekuntza

**Name of the conference:** Materialen Zientzia eta Teknologia II. Kongresua

**Geographical area:** Regional

**Type of participation:** 'Participatory - poster

**Corresponding author:** No



**City of event:** San Sebastián,  
**Date of event:** 03/07/2014  
**End date:** 04/07/2014  
M. Iriarte; A. Etxeberria; A. Sangroniz.

- 30** **Title of the work:** Miscibility and Specific Interactions in Blends of Poly(4-vinylphenol) / Poly(vinylmethylketone)  
**Name of the conference:** 27th International Symposium on Polymer Analysis and Characterization  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Les Diablerets, Switzerland  
**Date of event:** 16/06/2014  
**End date:** 18/06/2014  
Z. Benabdelghani; H. Bourara; A. Etxeberria.
- 31** **Title of the work:** Thermodynamic study of Blends of Poly(4-vinylphenol) / Poly(vinylmethylketone) using Inverse Gas Chromatography  
**Name of the conference:** 27th International Symposium on Polymer Analysis and Characterization  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Les Diablerets, Switzerland  
**Date of event:** 16/06/2014  
**End date:** 18/06/2014  
Z. Benabdelghani; H. Bourara; A. Etxeberria.
- 32** **Title of the work:** FTIR study of blends of poly(vinylmethylketone and polyvinylphenol  
**Name of the conference:** European Polymer Congress 2013  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Pisa, Italy  
**Date of event:** 16/06/2012  
**End date:** 21/06/2012  
H. Bourara; Z. Benabdelghani; A. Etxeberria.
- 33** **Title of the work:** Photo-electrochemical study of polypyrrole/TiO<sub>2</sub>: Application to visible light induced hydrogen production  
**Name of the conference:** European Polymer Congress 2013  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Pisa, Italy  
**Date of event:** 16/06/2012  
**End date:** 21/06/2012  
Ch. Belabed; Z. Benabdelghani; M. Trari; A. Etxeberria.
- 34** **Title of the work:** Effects of chain microstructure on physical aging, mechanical properties, and thermal stability of a poly(L-lactide-co- $\epsilon$ -caprolactone) elastomer thermoplastic copolymer  
**Name of the conference:** 9th World Biomaterials Congress



**Geographical area:** Non EU International

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

**Corresponding author:** No

**City of event:** Chengdu, China

**Date of event:** 01/06/2012

**End date:** 05/06/2012

Jorge Fernández; J. Muñoz Ugartemendia; S. Petisco; A. Etxeberria; J. R. Sarasua.

**35 Title of the work:** Hydrogen bonds in blends of poly(vinyl methyl ketone)/poly(4-Vinylphenol)

**Name of the conference:** 11th European Symposium on Polymer Blends

**Geographical area:** Non EU International

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

**Corresponding author:** No

**City of event:** San Sebastián,

**Date of event:** 25/03/2012

**End date:** 28/03/2012

Z. Benabdelghani; A. Etxeberria.

**36 Title of the work:** Miscibility and transport properties of poly (lactide)/phenoxy system

**Name of the conference:** 11th European Symposium on Polymer Blends

**Geographical area:** Non EU International

**Type of participation:** Participatory - poster

**Corresponding author:** No

**City of event:** San Sebastián,

**Date of event:** 25/03/2012

**End date:** 28/03/2012

A. Chaos; J. M. García; M. Iriarte; J. Fernández; J. R. Sarasua; A. Etxeberria.

**37 Title of the work:** Thermodynamic study of blends of poly(4-vinylphenol-co-methyl Methacrylate)/poly(styrene-co-4-vinylpyridine) by Inverse gas chromatography

**Name of the conference:** 11th European Symposium on Polymer Blends

**Geographical area:** Non EU International

**Type of participation:** Participatory - poster

**Corresponding author:** No

**City of event:** San Sebastián,

**Date of event:** 25/03/2012

**End date:** 28/03/2012

Ch. Belabed; Z. Benabdelghani; A. Etxeberria.

**38 Title of the work:** Phase behaviour of blends of poly(4-vinylphenol-co-methyl methacrylate) / poly(styrene-co-4-vinylpyridine)

**Name of the conference:** European Polymer Congress- XII Reunión del Grupo Especializado en Polímeros

**Geographical area:** Non EU International

**Type of participation:** Participatory - poster

**Corresponding author:** No

**City of event:** Granada,

**Date of event:** 26/06/2011

**End date:** 01/07/2011

Z. Benabdelghani; A. Etxeberria.



- 39** **Title of the work:** Photoelectrochemical properties of doped polyaniline: application to hydrogen production upon visible light upon visible light  
**Name of the conference:** European Polymer Congress- XII Reunión del Grupo Especializado en Polímeros  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Granada,  
**Date of event:** 26/06/2011  
**End date:** 01/07/2011  
Z. Benabdelghani; G. Rekhila; M. Trari; A. Etxeberria.
- 40** **Title of the work:** Synthesis and characterization of lactide-graft-poly(vinyl alcohol) and miscibility study with poly(ethylene oxide)  
**Name of the conference:** European Polymer Congress- XII Reunión del Grupo Especializado en Polímeros  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Granada,  
**Date of event:** 26/06/2011  
**End date:** 01/07/2011  
A. Lejardi; A. Etxeberria; E. Meaurio; J. Fernandez J. R. Sarasua.
- 41** **Title of the work:** Synthesis and characterization of poly(L-lactide-co-?-caprolactone) random copolymers  
**Name of the conference:** European Polymer Congress- XII Reunión del Grupo Especializado en Polímeros  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Granada,  
**Date of event:** 26/06/2011  
**End date:** 01/10/2011  
J. Fernández; A. Etxeberria; E. Zuza; E. Meaurio; S. Petisco; J. R. Sarasua.
- 42** **Title of the work:** Transport properties in plasticized biodegradable polymers  
**Name of the conference:** European Polymer Congress- XII Reunión del Grupo Especializado en Polímeros  
**Type of participation:** 'Participatory - poster  
**City of event:** Granada,  
**Date of event:** 26/06/2011  
**End date:** 01/07/2011  
A. Chaos; E. Agirrezabal; A. Gonzalez; M. Iriarte; A. Etxeberria.
- 43** **Title of the work:** Influence of the Rigid Amorphous Phase and Crystallinity in the Poly-Lactide Transport Properties  
**Name of the conference:** Frontiers in Polymer Science  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Lyon, France  
**Date of event:** 29/05/2011  
**End date:** 31/05/2011  
A. Chaos; J. del Río; N. López; A. Etxeberria; J. R. Sarasua.



- 44** **Title of the work:** Synthesis and characterization of Poly(vinyl alcohol)-graft-poly(?-caprolactone) and poly(vinyl alcohol)-graft-poly(lactide) and miscibility study with Poly(lactide) and Poly(?-caprolactone)  
**Name of the conference:** Frontiers in Polymer Science  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Lyon, France  
**Date of event:** 29/05/2011  
**End date:** 31/05/2011  
A. Lejardi; A. Etxeberria; E. Meaurio; J. R. Sarasua.
- 45** **Title of the work:** Nuevas mezclas de biopolímeros: poli(vinil alcohol) modificado y poli(vinil pirrolidona)  
**Name of the conference:** V Congreso de Jóvenes Investigadores en Polímeros  
**Geographical area:** National  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Calella de Palafrugell, Girona,  
**Date of event:** 02/05/2010  
**End date:** 06/05/2010  
A. Lejardi; E. Zuza; E. Meaurio; A. Etxeberria; J. R. Sarasua.
- 46** **Title of the work:** Compatibilización de mezclas de polímeros biodegradables mediante interacciones específicas  
**Name of the conference:** Ciencia de Polímeros: Retos globales-Nuevas Estrategia. XI Reunión del Grupo Especializado en Polímeros  
**Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Valladolid,  
**Date of event:** 20/09/2009  
**End date:** 24/09/2009  
A. Lejardi; E. Zuza; E. Meaurio; N. Monasterio; A. Etxeberria; J. R. Sarasua.
- 47** **Title of the work:** Diagramas de fases en nanocomposites totalmente poliméricos  
**Name of the conference:** Ciencia de Polímeros: Retos globales-Nuevas Estrategia. XI Reunión del Grupo Especializado en Polímeros  
**Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Valladolid,  
**Date of event:** 20/09/2009  
**End date:** 24/09/2009  
A. Ruiz de Luzuriaga; J.A. Pomposo; A. Etxeberria; H. Grande.
- 48** **Title of the work:** Propiedades barrera de poli (ácido láctico) plastificado con citrato de tributilo  
**Name of the conference:** Ciencia de Polímeros: Retos globales-Nuevas Estrategia. XI Reunión del Grupo Especializado en Polímeros  
**Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Valladolid,





**Date of event:** 20/09/2009

**End date:** 24/09/2009

A. Chaos; J. del Río; M. Iriarte; C. Uriarte; A. Etxeberria.

**49 Title of the work:** Improving the compatibility of poly( $\epsilon$ -caprolactone)(poly(vinyl alcohol) blends

**Name of the conference:** ANTEC-NPE 2009

**Geographical area:** Non EU International

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

**Corresponding author:** No

**City of event:** Chicago, United States of America

**Date of event:** 22/07/2009

**End date:** 26/07/2009

A. Lejardi; E. Meaurio; N. Monasterio; E. Zuza; A. Etxeberria; J. R. Sarasua.

**50 Title of the work:** Nanoparticle formation kinetic followed by NMR:  $^1\text{H}$ ,  $^{13}\text{C}$  and HSQC experiments

**Name of the conference:** Hybrid Materials 2009

**Geographical area:** Non EU International

**Type of participation:** Participatory - poster

**Corresponding author:** Yes

**City of event:** Tours, France

**Date of event:** 15/03/2009

**End date:** 19/03/2009

A. Etxeberria; A. Ruiz de Luzuriaga; H. Grande; J. A. Pomposo. "Libro de Resúmenes".

**51 Title of the work:** Transport Properties through Phenoxy Resin and its Clay Nanocomposites

**Name of the conference:** Hybrid Materials 2009

**Geographical area:** Non EU International

**Type of participation:** Participatory - poster

**Corresponding author:** Yes

**City of event:** Tours, France

**Date of event:** 15/03/2009

**End date:** 19/03/2009

A. Etxeberria; A. Gonzalez; M.A. Corres; J.J. Iruin; B. Perez Allende.

**52 Title of the work:** A study of hydrogen bonding in poly(styrene-co-methacrylic acid)/poly(styrene-co-4-vinylpyridine) systems

**Name of the conference:** 236th ACS National Meeting & Exposition

**Geographical area:** Non EU International

**Type of participation:** Participatory - poster

**Corresponding author:** No

**City of event:** Filadelfia, United States of America

**Date of event:** 17/08/2008

**End date:** 21/08/2008

S. Djadoun Z. Benabdelghani; K. Elmiloudi; A. Etxeberria.

**53 Title of the work:** Design, synthesis and characterization of polymers nanoparticles for multifunctional materials

**Name of the conference:** Avances en materiales poliméricos. X Reunión del Grupo Especializado en Polímeros

**Geographical area:** National

**Type of participation:** Participatory - poster



**Corresponding author:** No

**City of event:** Sevilla,

**Date of event:** 16/09/2007

**End date:** 20/09/2007

A. Ruiz de Luzuriaga; A. Etxeberria; D. Mecerreyes; I. Loinaz; R. Marcilla; H. J. Grande; J. A. Pomposo.

- 54 Title of the work:** Relación estructura/propiedades de transporte en sistemas basados en isómeros de PLA y sus mezclas

**Name of the conference:** Avances en materiales poliméricos. X Reunión del Grupo Especializado en Polímeros

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Sevilla,

**Date of event:** 16/09/2007

**End date:** 20/09/2007

A. Mayor; S. Eceolaza; M. Iriarte; A. Etxeberria; N. López; J.R. Sarasua.

- 55 Title of the work:** Study of binary blends of poly(styrene-co-methacrylic acid) and poly(styrene-co-4-vinylpyridine) and poly(2,6-dimethyl-1,4-phenylene oxide)

**Name of the conference:** European Polymer Congress

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Portoroz, Slovenia

**Date of event:** 02/07/2007

**End date:** 06/07/2007

Z. Benabdelghani; S. Djadoun; A. Etxeberria; C. Uriarte.

- 56 Title of the work:** Diffusivity and Solubility of Ethylene in atactic and isotactic polypropylene. Free volume simulations

**Name of the conference:** Macro 2006. 41st International Symposium on Macromolecules Proceedings

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Rio de Janeiro, Brazil

**Date of event:** 16/07/2006

**End date:** 21/07/2006

A. González; S. Eceolaza; A. Etxeberria; J. J. Iruin.

- 57 Title of the work:** Modificación del volumen libre de la PCL y su repercusión en las propiedades de transporte

**Name of the conference:** 3º Congreso Nacional de Jóvenes Investigadores en Polímeros

**Geographical area:** National

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

**Corresponding author:** No

**City of event:** Ferrol, La Coruña,

**Date of event:** 04/06/2006

**End date:** 08/06/2006

A. Mayor; A. Etxeberria; C. Uriarte; M. Iriarte.



- 58** **Title of the work:** Propiedades de transporte de la poli(?-caprolactona) modificada  
**Name of the conference:** Nuevas Fronteras en Polímeros. IX Reunión del Grupo Especializado en Polímeros  
**Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Jaca, Huesca,  
**Date of event:** 11/09/2005  
**End date:** 15/09/2005  
A. Mayor; M. Iriarte; A. Etxeberria; C. Uriarte.
- 59** **Title of the work:** Relación entre el volumen libre y las propiedades de transporte en sistemas polímero/aditivo  
**Name of the conference:** Nuevas Fronteras en Polímeros. IX Reunión del Grupo Especializado en Polímeros  
**Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Jaca, Huesca,  
**Date of event:** 11/09/2005  
**End date:** 15/09/2005  
S. Eceolaza; M. Iriarte; A. Etxeberria; C. Uriarte.
- 60** **Title of the work:** Mejora de las propiedades barrera de un material biodegradable  
**Name of the conference:** 5º Congreso Iberoamericano de Ciencia y Tecnología de Membranas  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Valencia,  
**Date of event:** 06/07/2005  
**End date:** 08/07/2005  
S. Eceolaza; M. Iriarte; A. Etxeberria; C. Uriarte.
- 61** **Title of the work:** Comparison of different experimental techniques in order to obtain transport properties  
**Name of the conference:** Euromembrane 2004  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Hamburgo, Germany  
**Date of event:** 28/09/2004  
**End date:** 01/10/2004  
C. Uriarte; A. García; M. Iriarte; A. Etxeberria.
- 62** **Title of the work:** Transport properties modification of an amorphous polyamide by addition of different compounds  
**Name of the conference:** Euromembrane 2004  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Hamburgo, Germany  
**Date of event:** 28/09/2004



**End date:** 01/10/2004

C. Uriarte; A. García; M. Iriarte; A. Etxeberria.

- 63** **Title of the work:** Transport properties of a polymer blend: poly(hydroxyaminoether)/Polyamide 6  
**Name of the conference:** Euromembrane 2004  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Hamburgo, Germany  
**Date of event:** 28/09/2004  
**End date:** 01/10/2004  
A. Etxeberria; S. Eceolaza; M. Iriarte and C. Uriarte.
- 64** **Title of the work:** Comparación de diferentes técnicas experimentales en la determinación de propiedades de transporte de una poliamida amorfa  
**Name of the conference:** IX Simposio Latinoamericano de Polímeros. VII Congreso Iberoamericano de Polímeros  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Valencia,  
**Date of event:** 11/06/2004  
**End date:** 16/06/2004  
A. García; M. A. Iriarte; A. Etxeberria; C. Uriarte; J. J. Iruin.
- 65** **Title of the work:** Sorción de etileno y propileno sobre polipropileno de diferentes tacticidades y morfologías  
**Name of the conference:** IX Simposio Latinoamericano de Polímeros. VII Congreso Iberoamericano de Polímeros  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Valencia,  
**Date of event:** 11/06/2004  
**End date:** 16/06/2004  
A. González; A. Etxeberria; J. J. Iruin.
- 66** **Title of the work:** Estudio y modificación de las propiedades de transporte de un poli(hidroxiaminoeter)  
**Name of the conference:** 2º Congreso Nacional de Jóvenes Investigadores en Polímeros. Grupo especializado en Polímeros  
**Geographical area:** National  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Zarautz, Gipuzkoa,  
**Date of event:** 06/06/2004  
**End date:** 10/06/2004  
S. Eceolaza; M. A. Iriarte; A. Etxeberria; C. Uriarte.
- 67** **Title of the work:** Estudio de la antiplastificación de una poliamida amorfa mediante espectroscopía de aniquilación positrónica  
**Name of the conference:** Avances en materiales polímeros. VIII Reunión del Grupo Especializado en Polímeros (RSEQ, RSEF)



**Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Tarragona,  
**Date of event:** 14/09/2003  
**End date:** 17/09/2003  
A. García; J. Del Río; A. Etxeberria; C. Uriarte; J. J. Iruin.

**68 Title of the work:** PVC plastificado para usos agrícolas: Comportamiento a la intemperie  
**Name of the conference:** 1er Congreso Nacional de Jóvenes Investigadores en Polímeros. Grupo especializado en Polímeros  
**Geographical area:** National  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Manga del Mar Menor, Murcia,  
**Date of event:** 02/06/2002  
**End date:** 06/06/2002  
N. González; L. Irusta; A. Etxeberria; M. J. Fernández-Berridi.

**69 Title of the work:** Polymer-solvent interaction parameters in polymer solutions at high polymer concentrations  
**Name of the conference:** 1st International Conference on Inverse Gas Chromatography  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Londres, United Kingdom  
**Date of event:** 17/09/2001  
**End date:** 19/09/2001  
C. Etxabarren; M. Iriarte; C. Uriarte; A. Etxeberria; J. J. Iruin.

**70 Title of the work:** Application of ftir Transform microspectroscopy in the determination of concentration profiles in PVC plasticisers  
**Name of the conference:** Europolymer Congress  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Eindhoven, Holland  
**Date of event:** 15/06/2001  
**End date:** 20/07/2001  
M. J. Fernández-Berridi; N. González; L. Irusta; A. Etxeberria; S. Montes; E. Martínez de Iturrate.

**71 Title of the work:** Evaluación de las interacciones polímero/polímero. Comparativa entre métodos gravimétricos y cromatográficos  
**Name of the conference:** Nuevas Perspectivas en Polímeros. VI Reunión del Grupo Especializado en Polímeros (RSEQ, RSEF)  
**Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** San Sebastián,  
**Date of event:** 07/09/1999  
**End date:** 09/09/1999



C. Etxabarren; A. Etxeberria; J.J. Iruin.

- 72 Title of the work:** Nuevos materiales para membranas: Mezclas de poliéter imida con una poliéter amida aromática

**Name of the conference:** XXVI Reunión Bienal de la Real Sociedad Española de Química

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Corresponding author:** Yes

**City of event:** Cádiz,

**Date of event:** 23/09/1997

**End date:** 26/09/1997

A. Etxeberria; S. Guezala; J.J. Iruin; J. de Abajo; J.C. de la Campa.

- 73 Title of the work:** Solubilidad de agua en una mezcla de Poliéter imida con un polímero cristal líquido

**Name of the conference:** XXVI Reunión Bienal de la Real Sociedad Española de Química

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Cádiz,

**Date of event:** 23/09/1997

**End date:** 26/09/1997

M. Iriarte; J. Alfageme; J.J. Iruin; A. Etxeberria; C. Uriarte.

- 74 Title of the work:** Miscibilidad de una poli(éter amida aromática) con el poli(óxido de etileno)

**Name of the conference:** II Jornadas sobre Calorimetría y Análisis Térmico de Polímeros

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Corresponding author:** Yes

**City of event:** Madrid,

**Date of event:** 20/05/1996

**End date:** 22/05/1996

A. Etxeberria; S. Guezala; J.J. Iruin; J. de Abajo; J.C. de la Campa.

- 75 Title of the work:** Mezclas miscibles de poli (hidroxi éter de bisfenol A) y Poli (metil metacrilato) isotáctico

**Name of the conference:** XXV Reunión Bienal de la Real Sociedad Española de Química

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Vitoria,

**Date of event:** 25/09/1994

**End date:** 29/09/1994

M. Alberdi; A. Etxeberria; C. Uriarte; J.J. Iruin.

- 76 Title of the work:** Influencia del uso de disolvente en la determinación de parámetros de interacción polímero-polímero

**Name of the conference:** Simposio Iberoamericano de Polímeros

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**Corresponding author:** Yes

**City of event:** Vigo, Pontevedra,

**Date of event:** 28/06/1992





**End date:** 03/07/1992

A. Etxeberria; J.J. Iruin.

**77 Title of the work:** Disolbatzailearen eragina polimero/polimero elkarrekintza parametroarengan

**Name of the conference:** Euskal Kimikarien 5. Bilera

**Geographical area:** Regional

**Type of participation:** 'Participatory - poster

**Corresponding author:** Yes

**City of event:** San Sebastián,

**Date of event:** 05/06/1992

**End date:** 06/06/1992

A. Etxeberria; J.J. Iruin.

**78 Title of the work:** Inverse gas chromatography in the characterization of polymeric materials

**Name of the conference:** XX Reunión Específica del Grupo de Cromatografía y Técnicas Afines (RSEF-RSEQ)

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Corresponding author:** Yes

**City of event:** San Sebastián,

**Date of event:** 29/10/1991

**End date:** 31/10/1991

A. Etxeberria; J.J. Iruin.

**79 Title of the work:** Predicciones de miscibilidad entre polímeros mediante métodos de contribución de grupos

**Name of the conference:** REUNION NACIONAL DE MATERIALES POLIMEROS

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Corresponding author:** Yes

**City of event:** Valencia,

**Date of event:** 24/06/1991

**End date:** 27/06/1991

E. Espí; A. Etxeberria; J.J. Iruin.

**80 Name of the conference:** Polymer Blends

**Geographical area:** Non EU International

**Type of participation:** Participatory - others

**City of event:** Cambridge,

**Date of event:** 13/06/1990

**End date:** 15/06/1990

A. Etxeberria.

**81 Title of the work:** Studies on poly (ethylene oxide) / Phenoxy Blends. Melting and Crystallization behaviour

**Name of the conference:** Speciality Polymers'88

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**Corresponding author:** No

**City of event:** Cambridge, United Kingdom

**Date of event:** 13/09/1988

**End date:** 15/09/1988



J.J. Iruin; M. Iriarte; A. Etxeberria.

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

**Committee title:** Asesor Científico del Servicio General de Investigación Caracterización de Polímeros de la UPV/EHU (Microscopia Electrónica)

**Affiliation entity:** UPV/EHU

**Start date:** 01/07/2008

### Organization of R&D activities

**Title of the activity:** Nuevas Perspectivas en Polímeros. VI Reunión del Grupo Especializado en Polímeros (RSEQ, RSEF)

**Type of activity:** Editor Libro de Resúmenes

**Geographical area:** National

**Start date:** 1999

### R&D management

- 1** **Name of the activity:** Gestión de Departamento Universitario  
**Performed tasks:** Director  
**Entity:** UPV/EHU  
**Start date:** 29/11/2020 **Duration:** 3 years - 7 months - 22 days
- 2** **Name of the activity:** Gestión de Departamento Universitario  
**Performed tasks:** Director  
**Entity:** UPV/EHU  
**Start date:** 07/04/2017 **Duration:** 3 years - 7 months - 22 days
- 3** **Name of the activity:** Gestión de Departamento Universitario  
**Performed tasks:** Secretario  
**Entity:** UPV/EHU  
**Start date:** 31/07/2009 **Duration:** 7 years - 7 months - 7 days



## Other achievements

### Obtained grants and scholarships

**1** **Name of the grant:** Becario FPI

**Aims:** Pre-doctoral

**Awarding entity:** MINISTERIO DE EDUCACION Y CIENCIA

**Conferral date:** 01/01/1989

**Duration:** 3 years - 10 months - 24 days

**End date:** 24/11/1992

**Entity where activity was carried out:** UPV/EHU

**2** **Name of the grant:** Becario FPI

**Aims:** Pre-doctoral

**Awarding entity:** Gobierno Vasco

**Type of entity:** Dpto. Educación, Universidades e Investigación

**Conferral date:** 10/10/1987

**Duration:** 1 year - 3 months

**End date:** 31/12/1988

**Entity where activity was carried out:** UPV/EHU

### Prizes, mentions and distinctions

**1** **Description:** Premio de Investigación en Química Martín Guzmán

**Awarding entity:** Rotary Club de San Sebastián

**Conferral date:** 17/09/1998

**2** **Description:** Premio Extraordinario de Doctorado

**Awarding entity:** UPV/EHU

**Conferral date:** 19/07/1995

### Periods of research activity

**Nº of recognized periods:** 6

**Certifying entity:** CNEAI

**Date of recognition:** 31/12/2017