

PERSONAL INFORMATION

Lucía Gabriela Pérez Amaro



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🔗 https://www.researchgate.net/profile/Lucia_Perez_Amaro

📅 Birth date: 01/01/1975 | 🇻🇪🇮🇹 Citizenship Venezolana - Italiana

👪 Marital status married with two children

BIBLIOMETRIC INDICATORS

Up today, **Lucía Gabriela Pérez Amaro** possess 9 publications in peer review journals and received 49 citations that given to her a H-index of 2 (source: Scopus, 08/03/2017). Subject areas are: Materials Science, Chemistry, Chemical Engineering, Engineering, Physics and Astronomy, Biochemistry, Genetics and Molecular Biology and Environmental Science.

The **63%** of the publications are under the category **Polymer and Plastics**, belonging to the quartile 1 (Q1) (source SCImago Journal & Country Rank), one publication in Q1 for the category of **Waste Management and Disposal** and one publication in the quartile Q3 for the category **Processing Chemistry and Technology**. Moreover, the **85%** of the publication Dr. Pérez Amaro appears as **first author** and the **38%** as **corresponding author**.

Dr. Pérez Amaro possess one **international patent** and has been co-tutor of a PhD. Thesis in Biomaterials – XXV cycle (2010-2012) University of Pisa at the Department of Chemistry and Industrial Chemistry for the international candidate Haiyan Chen (China) with the thesis title: "Assessment of Biodegradation in Different Environmental Compartments of Blends and Composites Based on Microbial Poly(hydroxyalkanoate)s" URN etd-02222013-142550.

From 2012 up today Dr. Pérez Amaro has been selected as a **relevant author** with frequent participation in the **Venezuelan national journal of the Plastic Industry** named AVIPLAS – CONVERAPLAST (ISSN 1856-7037).

In 2004 Dr. Pérez Amaro winner a **PhD. scholarship** from the Chilean National Scientific Commission (CONICYT) document number D-21050820 and in 2007 she winner of further financial support from the same commission.

WORK EXPERIENCE

01/06/2017–up to now

Researcher at L.M.P.E srl

Laboratorio di Materiali Polimerici Eco-compatibili, L.M.P.E srl, Polo Tecnologico di Capannori, Via Nuova 44/A, Segromigno in Monte 55018, Capannori (LU) Italy.

Research activities in Regional, National and European projects, transfer technology, feasibility study, additive manufacturing, synthesis and characterization of inorganic and hybrid additives, characterization of organic filler, polymers and polymers composites. Biodegradation study, thermal and mechanical stabilization of polymer based materials. Preparation and full characterization of polymer nanocomposites. Production of reports and articles.

Supervisor: Prof. Emo Chiellini

01/05/2016–30/04/2017

Research fellows - Protocol n° 0001284 data 29/04/2016

Consiglio Nazionale delle Ricerche (CNR) – Istituto di Chimica dei Composti Organometallici (ICCOM)- Via G. Moruzzi, 1, CAP 56124, Pisa, Italia (<http://www.pi.iccom.cnr.it/>), Pisa (Italy)

Research activities for the project named: "Nanotechnologies for the sustainable exploitation of national energy potential (geothermal and hydrocarbon resources)". Experimental design, formulation of water soluble polymers (PVA) by using nano-structured additives (2D). Study, chemical modification and full characterization of layered double hydroxides (LDH) - 2D additive. Preparation and full characterization of polymer nanocomposites. Production of reports and articles.

Supervisor: Dr. Elisa Passaglia

Production: 2 articles *in progress* and one report

06/05/2013–05/03/2016 **Research fellows - Protocol n° 000969 data 08/04/2013**

Consiglio Nazionale delle Ricerche (CNR) – Istituto di Chimica dei Composti Organometallici (ICCOM)- Via G. Moruzzi, 1, CAP 56124, Pisa, Italia (<http://www.pi.iccom.cnr.it/>), Pisa (Italy)

Research activities for the project named: FIRB FUTURO IN RICERCA year 2010 – Prot. RBFR10DCS7_004 "Towards multi-functional, efficient, stable and eco-compatible nanocomposites based on bio-plastic of technological interest through immobilization of functionalized nanoparticles and stabilizing molecules". Experimental design, formulation of new polymeric materials for long term applications by taking in consideration biodegradable polymers (bio-plastic). Study, chemical modification and full characterization of layered double hydroxide (LDH). Preparation and full characterization of polymeric nanocomposites. Production of report and articles. Support to the administration activities.

Supervisor: Dr. Serena Coiai

Production: 3 articles (P-5, P-6, P12), 4 congress attendance (CC-12, CC-13, CC-14 and CC-15) and one report.

03/10/2012–03/12/2012 **Research assistant - INDPI00739 ID/DB 739 02/10/2012**

Consorzio Interuniversitario Nazionale per la Scienza e la Tecnologia dei Materiali (INSTM), UdR Pisa Laboratorio Materiali Polimerici Bioattivi per Applicazioni Biomediche ed Ambientali (BIOLab) – Via Vecchia Livornese 1291 – San Piero a Grado 56122 Pisa, San Piero a Grado (Italy)

"Research in the field of biodegradation of polymeric packaging based on Polyolefins (polypropylene) after accelerated aging under controlled temperature and under UV irradiation"

Supervisor: Prof. Emo Chiellini

Production: one report

01/09/2011–31/08/2012 **Research assistant - INDPI00753 02/08/2011**

Consorzio Interuniversitario Nazionale per la Scienza e la Tecnologia dei Materiali (INSTM), UdR Pisa Laboratorio Materiali Polimerici Bioattivi per Applicazioni Biomediche ed Ambientali (BIOLab) – Via Vecchia Livornese 1291 – San Piero a Grado 56122 Pisa

Research contract: Veraplastic S.p.A./ Prof. E. Chiellini UdR di Pisa INDPI00753.

Research title: Research support on the activities related with the study and production of a biodegradable, compostable polymer that fulfil the requirements of the EN1342 norm. During the development of the contract it has been given support to the following activities:

1) **Co-tutor pf PhD thesis in BIOMATERIALS – XXV Cycle (2010-2012)**

Student: Hayian Chen (China)

Thesis title: "Assessment of Biodegradation in Different Environmental Compartments of Blends and Composites Based on Microbial Poly(hydroxyalkanoate)s".

2) **Collaboration in European Project ANIMPOL funded by the EU seventy work frame program**

3) **Collaboration in an Italian project BIOPOLPACK funded by MIUR**

Research activities:

Formulation of materials based on poly(hydroxyalkanoates) (PHA) and its copolymers with hydroxyvalerate (HV) for the production of compostable rigid goods suitable for injection moulding and blow extrusion.

Biodegradation study of packaging based on Polyolefins and oxo-biodegradable additives by accelerated aging and UV radiation. Design, formulation and characterization of oxo-degradable film.

Elaboration of scientific articles.

Supervisor: Prof. Emo Chiellini

Production: 2 articles (P-3 and P-10), one e-book chapter, one congress presentation (CC-11) and one Report.

02/02/2011–31/05/2011

Interns

D'Appolonia consulting group S.p.A ufficio di Viareggio in Via Farabola Est. 32, CAP 55049.
(<http://www.dappolonia.it/en>), Viareggio (Italy)

- Marketing analysis and definition of a business model for the sectors: plastic materials, manufacturing and biomedical
- Technology Scouting for the sector: plastic material and civil construction
- Elements of TRIZ
- Elements of competitive theory proposed by Porter

Supervisor: Ing. Giannicola Loriga / 300 h

01/09/2008–01/02/2011

Post-doctoral position - Protocol n° 319 data 29/08/2008

Dipartimento di Chimica e Chimica Industriale della Università di Pisa – Via Risorgimento 35 Pisa
(<https://www.dcci.unipi.it/>), Pisa (Italy)

Research title: "Functionalization of polyolefin through radical process and their use for the preparation of organic-inorganic composites micro and nanostructured"

Increment of the heat distortion temperature (HDT) of Poly(vinyl chloride) and Poly(methyl methacrylate) blends by using layered double hydroxide (LDH) and montmorillonite (MMT) particles. Chemical recycling of aromatic polyesters and its use as secondary plasticizer in PVC formulations according to UNI EN ISO 177, 2001. Functionalization of polyolefin through radical process useful for the preparation of organic - inorganic composites micro and nano structured.

Supervisor: Prof. Francesco Ciardelli and Dr. Elisa Passaglia

Production: 2 articles (P-4 and P-9), 3 presentation to national and international congress (CC-8, CC-9, CC-10).

01/03/2004–31/07/2008

Assistant Professor of General Chemistry Lab

Facultad de Ciencias Químicas – Universidad de Concepción – Chile, Calle Edmundo Larenas 129
(<http://www2.udec.cl/cienciasquimicas/>), Concepción (Chile)

Didactic activity – preparation of experimental experiences, preparation of test and corrections of the lab results. Total hours: 750

01/06/2000–31/03/2003

Operational Maintenance Engineer/ Ingeniero de Mantenimiento Operacional

PDVSA - Area petrolífera de Nipa – Limón y Nieblas, Distrito San Tomé. Petróleos de Venezuela S.A (PDVSA) (<http://www.pdvs.com/>), San Tomé (Venezuela)

Responsibilities:

To plan preventive maintenance in dynamic and static equipment. To program and to control the own and hired resources for the execution of maintenance plans to equipment and facilities using SAP-PM system, in order to assure trustworthiness, availability, operability and security; generating indicators looking to reduce time and maximize the profits. Coordinate activities of environmental cleaning and control oil leaks. Elaboration of budgets of Investment and Operations and control their execution. Implement quality policies standards (ISO 9000), controlled under internal regulations. Evaluate and establish the requirements of equipment and human resource to support the processes derived from the oil activity.

Supervisor: Ing. Carlos Gómez

01/09/1997–01/03/1999

Assistant

Universidad Simón Bolívar –Valle de Sartenejas Baruta - Caracas – Venezuela – (<http://www.usb.ve/>), Caracas (Venezuela)

Courses:

1.MT 3283 Lab. Polymer II

- 2.MT 3242 Characterization of polymers
- 3.MT 2284 Lab. Physical properties of materials

EDUCATION AND TRAINING

19/04/2010–15/05/2011

Innovation and Transfer Technology course - WOMENTECH (2010PI0385)

Toscana Formazione SRL. N° code: PI20120723, Pontedera (Italy)

- Project Management
- Informatics elements
- Economy, Society and Development entrepreneurship on the Pisa Province
- Management and Enterprise Organization and Planning. Organization and Control systems.
- Financial tools for innovation.
- Marketing elements
- Innovation in productive process and services and creation of academic spin-off.
- Quality control and security in the enterprise
- Works line guides and self-entrepreneurship
- Communicational elements
- Project Work

01/03/2004–15/07/2008

Doctor en Ciencias con mención en Química - PhD, Protocol n° 2008-1943 data 15/07/2008

Facultad de Ciencias Químicas Calle Edmundo Larenas 129 – Universidad de Concepción – Chile, (<http://www2.udec.cl/cienciasquimicas/>), Concepción (Chile)

Thesis title: "Modificación química del polipropileno y su potencial uso como agente extractante de iones metálicos" - vote 99/100 ("**highest passing grade**"). Commision: Dr. Bernabé L. Rivas Q., Dr. Mario Suwalsky W., Dr. J. Guillermo Contreras K., Dr. Franco Rabagliati C. e Dr. Héctor D. Mansilla.

Supervisor: Prof. Bernabé Rivas Quiroz

Production: 1 article (P-2), one patent (PA-1) and 4 participations on national and international congress (CC-4, CC-5, CC-6 and CC-7)

Courses:

- *Molecular simulation of enzymatic reactions.* Dr. Xavier Prat- Resina. University of Wisconsin -USA. 2008
- *Polymers for Medical Applications.* Prof. Bernabé Rivas. 2008 (95/100) credits 1
- *Workshop for Cooperation among Concepción, Izmir (Turkey) and Wroclaw (Poland).* Prof. Bernabé Rivas and Prof. Nalan Kabay. 2008
- *Post-modification of polyolefins and their use in blends with polar polymers or inorganic micro – nano filler.* Dr. Elisa Passaglia. ICCOM-CNR Pisa. Italy. 2007
- *Four Laws that Drive the Universe.* Dr. Peter W. Atkins. Oxford University. England. 2007
- *Bioinorganic Chemistry.* Dr. Wolfgang Kaim. Stuttgart Universitat- Germany. 2007
- *Reología aplicada y extrusión de termoplástico.* Ing. Alberto Naranjo and Dr. María del Pilar Noriega. Colombia. 2007
- *Properties, Applications of Natural Polymer, and derivatives.* Dr. Galo Cárdenas. 2007 (98/100) credits 1
- *Chelating Metal Polymers.* Prof. Bernabé Rivas. 2006 (98/100) credits1
- *Spectroscopy.* Prof. Joel Alderete. 2006 (95/100) credits 4
- *Polymer Synthesis.* Prof. Bernabé Rivas. 2005 (92/100) credits 4
- *Introduction to chemical structure resolution by X ray diffraction.* Dr. Roberto Baggio, Argentina. 2005

(100/100) credits 1

 • *Inorganic Chemistry for graduated students*. Dr. Guillermo Contreras. 2004 (96/100) credits 5

 • *Organic Chemistry for graduated students*. Dr. Joel Alderete. 2004 (75/100) credits 5

 • *Physical-chemistry for graduated students*. Dr. Adelio Matamala. 2004 (72/100) credits 5

27/06/2000–15/06/2001

PIA XXIV. Programa Integral de Adiestramiento Básico (PIA Oriente)

CIED - PDVSA Centro Internacional de Educación y Desarrollo -CIED, Filial de Petróleos de Venezuela S.A – San Tomé - Venezuela, San Tomé (Venezuela)

- General introduction
- Fundamental aspect of reservoir exploitation
- Well construction and maintenance
- Optimization of well production
- Geosciences/ Reservoir Engineering
- Geosciences/ Reservoir Engineering II
- Static modelling of reservoir (CAD)
- Dynamic modelling of reservoir (CAD)
- Project: Petro-physical characterization of the reservoir and quantification of its oil content.

Total hours: 2040

01/09/1992–01/07/1999

Ingeniero de Materiales mención Polímeros - protocolo N° 21522, Folio 700 del 08/10/1999

 Universidad Simón Bolívar – Valle de Sartenejas Baruta - Caracas – Venezuela – (<http://www.usb.ve/>), Caracas (Venezuela)

 Thesis title: "*Estudio de las propiedades térmicas de los copolímeros en bloque de Polietileno-b-Poliestireno-b-Policaprolactona*"

Supervisors: Prof. Vittoria Bálsamo, Prof. Alejandro Müller. Approved

Production: 1 article (P-1) and 3 congress participation (CC-1, CC-2 and CC-3)

Final vote: 3.5944 (scale 1 - 5)

01/09/1988–31/07/1992

Bachiller en Ciencias - Protocol N° T, 1244757-B del 27/07/1992

U.E Colegio San Antonio El Tigre – Venezuela, El Tigre (Venezuela)

PERSONAL SKILLS

Mother tongue(s) Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B1	B1	B2
Loscher Ebbinghaus Idiomas. Ciclo básico nivel 1 al 8. La Trinidad, Caracas (Venezuela)					
Italian	B2	B2	B1	B1	B2
MONDOLINGUA. Largo Ciro Menotti 15, 56127 Pisa (Italia)					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

Common European Framework of Reference for Languages

Organisational / managerial skills

Team work, committed with the work and with the family

Job-related skills

Skills in chemical and advanced materials.

Knowledge on the **synthesis of isotactic polypropylene (PP)** by using Ziegler-Natta and metallocenic catalyst system. Experience in the quality control of raw materials. This skills were gained through a collaboration with the petrochemical industry "PETROQUIM S.A" – Chile and with "Centro para la Investigación Interdisciplinaria avanzada en Ciencia de los Materiales" - CIMAT. Santiago – Chile.

Contact person: Ing. Claudio Sandoval (www.petroquim.cl) And Prof. Raul Quijada. (www.cimat.it)

Experience on the **activation and use of high pressure lab-scale reactor** suitable for the synthesis of polyolefins. Contact person: Ing. Claudio Sandoval (www.petroquim.cl)

Deep experience on **chemical and physical modifications of polymeric materials** through radical process and blending process with polymer of different chemical nature. The techniques employed are melt blending and solution assisted process. This experience was matured and consolidated during the post-doctoral fellow at the Macromolecular Lab. Head Prof. Francesco Ciardelli at the "Dipartimento di Chimica e Chimica Industriale" della Università di Pisa- under the guide of Dr. Elisa Passaglia

Deep knowledge on the **design and production of alternatives ion exchange resins** based on modified polyolefins for water treatment applications. Knowledge on the most used purification techniques. **Experience in the thermo-mechanical modifications by employing micro-nano structured materials and suitable polymers** by using 2D nano-structured additives. Chemical modification of Layered double hydroxides (LDH) and characterization the products obtained.

Deep experience in the **design and formulation of bio-based polymers** for compostable and biodegradable applications. This experience was matured and consolidated during the collaboration contract at "Consorzio Interuniversitario Nazionale per la Scienza e la Tecnologia dei Materiali (INSTM)". National Interuniversity Consortium of Materials Science and Technology. Research unit UdR Pisa at BioLab –Department Chemistry and Industrial Chemistry of University of Pisa. Under the supervision of Prof. Emo Chiellini.

Consolidate experiences in the following characterization techniques:

- Infrared spectroscopy (FT-IR, ATR),
- Nuclear magnetic resonance (¹H-NMR),
- Ultra violet spectroscopy (UV-Vis, UV-Vis).
- Thermal analysis techniques (DSC, TGA)
- Thermo-mechanical analysis (HDT, VICAT)
- Morphological analysis techniques (SEM, TEM), Ray X (XRD)
- Impact analysis (IZOD)
- Mechanical test under tensile mode (INSTRON)
- Melt flow index determinations (MFR/MVR)
- Biodegradation

Consolidate experiences in the following chemical modification techniques:

- Melt blending
- Solution dispersion assisted by ultrasound
- Reactive melt blending
- Dry blending
- Functionalization
- Ion exchange reaction

Consolidated experience in the following polymers:

- Polypropylene (PP)
- Ethylene-co-acrylic acid (EAA)

- Polyethylene-g-maleic anhydride (PE-g-MAH)
- Low density polyethylene (LDPE)
- High density polyethylene (HDPE)
- Poly[(R)-3-hydroxybutyrate] (PHB)
- Pol[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate] (PHBV)
- Polyvinylchloride (PVC)
- Polymethylmethacrylate (PMMA)
- Poly(ethylene terephthalate) (PET)
- Poly(acrylic acid) (PAA)
- Poly(lactic acid) (PLA)
- Poly(vinyl acetate) (PVAc)
- Poly(butylene adipate-co-terephthalate) (PBAT)
- Poly(vinyl alcohol) (PVA)
- Block copolymers

Consolidated experience in the following additives:

- Nano-structured fillers 2D like layered double hydroxide (LDH) and montmorillonite (MMT)
- Plasticizers
- Antioxidants
- Nucleating agents
- Organic fillers
- Melt strength enhancer

Reviewer:

Journal of the Taiwan Institute of Chemical Engineers

Applied Catalysis B: Environmental

Materials Science – AIMS

Materials Research Iberoamerican Journal of Materials

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Basic user	Basic user

Digital competences - Self-assessment grid

Microsoft office (excel, word, power point) Origin, mestre-C, SAP, FT-IR Spectrum, Petroview Plus, Petrostat, Geoframe (Schlumberger), Oil Field Manager (OFM – Schlumberger), Eclipse-100, Pipesim and Flowsystem (Edinburg Petroleum Services Americas, inc), Scifinder, Google

Driving licence B

ADDITIONAL INFORMATION

Courses

- 1) *Training course for the use of the instrument 5966 tensile machine INSTRON*. November 2016
- 2) *Sicurezza, Conoscere e Condividere. Via Edizione*. Consiglio Nazionale delle Ricerche. Area della Ricerca di Pisa – UFFICIO Prevenzione e Protezione. Pisa, December 2015
- 3) *Rischio chimico – CLP – Dispositivi di protezione Collettiva – Buone prassi di laboratorio – Risk*

assessment – Il medico competente e la valutazione del rischio – Psc Pss Semplificati – Attività all'aperto. VI Edizione. Consiglio Nazionale delle Ricerche. Area della Ricerca di Pisa – UFFICIO Prevenzione e Protezione. Pisa, November 2014

4) *Materiali Polimerici per la produzione di Manufatti Ecocompatibili*. AIM. 2010. Università di Pisa - BioLab San Piero a Grado (Pisa), May 7 2010

5) *Addetti Antincendio in attività a rischio d'incendio medio*. Ing. Marialuisa Ciardella. Università di Pisa. 2010

6) *Addetti al pronto soccorso in aziende tipo B*. Prof. Franco Ottenga. Università di Pisa. 2009

7) *Introducción a la Reometría en Polímeros*. Ing. Enrique Vallés. Universidad Nacional del Sur-Argentina. XI Coloquio Venezolano de Polímeros - Universidad Simón Bolívar – Venezuela. 2005

8) *Técnicas de impacto para Materiales Plásticos y Compuestos*. Prof. Antonio Martínez-Benasat. Universitat Politècnica de Catalunya- España. XI Coloquio Venezolano de Polímeros - Universidad Simón Bolívar – Venezuela. 2005

9) *Poliolefinas: Catálisis, Procesos y Productos*. Prof. Antonio Muñoz-Escalona. Instituto superior de Energía- España. XI Coloquio Venezolano de Polímeros - Universidad Simón Bolívar – Venezuela. 2005

10) *Thermal status of Polymers as related to Molecular Structure, Crystallization, Melting and Morphology*. Prof. Vincent B.F. Mathot. Technische Universiteit Eindhoven- Holland. XI Coloquio Venezolano de Polímeros - Universidad Simón Bolívar - Venezuela. 2005

11) *Rescate Vehicular y Primeros Auxilios*. Brigada de Bombero Voluntarios, PDVSA – San Tomé, Venezuela. 2002

12) *Costos ABC*. Centro Internacional de Educación y Desarrollo CIED – PDVSA – San Tomé, Venezuela. 2002

13) *La Seguridad, la Higiene y el Ambiente en la Industria. Módulo B: Básico*. Centro Internacional de Educación y Desarrollo CIED – PDVSA – San Tomé, Venezuela. 2002

14) *Prácticas de trabajo seguro (PTS)*. Centro Internacional de Educación y Desarrollo CIED – PDVSA – San Tomé, Venezuela. 2002

15) *ISO 9000:2000*. Fondo para la Normalización y Certificación de la Calidad. 2001. Venezuela, 2001.

Honours and awards

2012 – to date: **Nomination as a frequently writer for the industrial Plastic Journal of Venezuela: "Conversaplast – Revista especializada de la industria venezolana del plástico"**.

2008 - 2011: **Winner of a fellowship grant** at the Department of Chemical and Industrial Chemical – DCCI, Università of Pisa. Research title: "Funzionalizzazione di poliolefine mediante processi radicalici e loro utilizzo per la preparazione di compositi organici e inorganici micro e nanostrutturati" (Scientific supervisor: Prof. Francesco Ciardelli and Dr. Elisa Passaglia) protocol n° 319, August 29 2008.

2004 - 2008: **Winner of a fellowship grant for a PhD program** Funded by the National commission for scientific and technological research – CONICYT, assignation number: D-21050820 (Tutor Prof. Bernabé Rivas).

2007 - 2008: **Winner of a financial support** for the development of the PhD topic research. Funded by the National commission for scientific and technological research – CONICYT (Responsible : Ing. Lucía Pérez Amaro)

1985-2000: **Winner of 32 gold medal , 23 silver medal and 16 bronze and 5 trophy as a best swimmer**

Publications

ARTICLES

P-14: Serena Coiai, Francesca Cicogna, Alessandra de Santi, **Lucía Pérez Amaro**, Roberto Spiniello, Francesca Signori, Stefano Fiori, Werner Oberhauser, Elisa Passaglia. "MMT and LDH organo-modification with surfactants tailored for PLA nanocomposites" *Express Polymer Letters* (2016) 11 (3), pp. 163-175 (ISSN:1788-618X Impact factor 2.88)

P-13: **Lucía Pérez Amaro** "Sobre el efecto multiplicador del sector del plástico en la sociedad y en la Economía" *Conversaplast - Revista especializada de la industria venezolana del plástico* (2016) (ISSN 1856-7037).

P-12: **Lucía Pérez Amaro**, Francesca Cicogna, Elisa Passaglia, Elisabetta Morici, Werner

Oberhauser, Sahar Al-Malaika, Nadka Dintcheva, Serena Coiai "Thermo-oxidative stabilization of poly(lactic acid) with antioxidant intercalated layered double hydroxides" *Polymer Degradation and Stability*, 133, 92-100 (2016). Doi: <http://dx.doi.org/10.1016/j.polyimdeggradstab.2016.08.005> (ISSN 0141-3910- Impact factor 3.2)

P-11: **Lucía Pérez Amaro**, Mohamed A. Abdelwahab, Andrea Morelli, Federica Chiellini, Emo Chiellini. "Bacterial Polyesters: The Issue of Their Market Acceptance and Potential Solutions". Martin Koller (Ed.), *Microbial Biopolyesters Production, Performance and Processing: Bioengineering, Characterization, and Sustainability*. Ebook series: *Recent Advances in Biotechnology*. pp. 14-74 (eISBN 9781681083735). Bentham Publishers, 2016.

P-10: **L. Pérez Amaro**, H. Chen, A. Barghini, A. Corti, and E. Chiellini. "High Performance Compostable Biocomposites Based on Bacterial Polyesters Suitable For Injection Molding and Blow Extrusion". *Chemical and Biochemical Engineering Quarterly - CABEQ journal*, 29, 2, 1-14 (2015). doi: 10.15255/CABEQ.2014. (ISSN 03529568 – Impact factor 0.80)

P-9: **Lucía Pérez Amaro**, Serena Coiai, Francesco Ciardelli, Elisa Passaglia. "Preparation and testing of a solid secondary plasticizer for PVC produced by chemical degradation of post-consumer PET". *Waste Management*, 46, 68-75 (2015). doi: 10.1016/j.wasman.2015.09.005 (ISSN 0956-053XX, Impact factor 3.22).

P-8: **Lucía Pérez Amaro**. "Nano-tecnología para la valorización del potencial energético nacional: petróleo y gas" *Conversaplast - Revista especializada de la industria venezolana del plástico*. Año 9, número 17, 18-20 (2015), (ISSN 1856-7037).

P-7: **Lucía Pérez Amaro**. "Se puede Obtener Electricidad de los Polímeros?". *Conversaplast - Revista especializada de la industria venezolana del plástico*. Año 8, número 16, 12-14 (2014), (<http://avipla.org/publicaciones/conversaplast-2/>) (ISSN 1856-7037).

P-6: Coiai, S., **Pérez Amaro, L.**, Cicogna, F., Dintcheva, N. Tz., Liguori, F., Barbaro, P. and Passaglia, E. "Progress in Understanding of the Interactions between Functionalized Polyolefins and Organolayered Double Hydroxides". *Macromolecular Reaction Engineering*, 8: 122–133. (2014), doi: 10.1002/mren.201300154 (ISSN 1862-8338, Impact factor 1.6).

P-5: **Lucía Pérez Amaro**, Serena Coiai, Francesca Cicogna, Elisa Passaglia. "Nuevas fronteras en el uso de antioxidantes en Biopolíesteres y Poliolefinas". *Conversaplast - Revista especializada de la industria venezolana del plástico*. Año 7, número 14, 12-13 (2013) (<http://avipla.org/publicaciones/conversaplast-2/>) (ISSN 1856-7037).

P-4: **Lucía Pérez Amaro**, Serena Coiai, Lucia Conzatti, Antonella Manariti, Francesco Ciardelli, Elisa Passaglia. "The effect of layered double hydroxides dispersion on thermal and mechanical properties of poly(vinyl chloride)/poly(methyl methacrylate) blends". *Polymer International*, 62: 554-565. (2013), doi:10.1002/pi.4472 (ISSN 1097-0126, Impact factor 2.4)

P-3: **Lucía Pérez Amaro**, Marco Bernabò, Emo Chiellini. "Los plásticos diseñados para durar cuanto sirven". *Conversaplast – Revista especializada de la industria venezolana del plástico*. Año 5, número 12, 40-43 (2012) (<http://avipla.org/publicaciones/conversaplast-2/>) (ISSN 1856-7037).

P-2: **Lucía Pérez Amaro**, Bernabé L. Rivas, Serena Coiai, Elisa Passaglia, Sylvain Auier, Francesco Ciardelli. "Grafting of Polypropylene and its potential use as metal ion adsorption resin". *Journal of Applied Polymer Science*. 113 (1), 290-298 (2009) doi: 10.1002/app.29306 (ISSN 1097-4628, Impact Factor 1.7)

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