



## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Paula Alexandra da Conceição Costa**

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Portugal

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Nationality Portuguese

Date of birth 19.03.1972

Gender Female

### Occupational field **Senior Researcher - Thermochemical processes; Fuel production from wastes**

### Work experience

Dates	2015-to date
Occupation or position held	Researcher in the R&D area of thermochemical conversion of wastes and alternative fuels production at Bioenergy Unit of LNEG Senior Researcher ("Investigador auxiliar") at LNEG
Dates	January 2013 - 2014
Occupation or position held	Deputy Head of the Energy Storage and Conversion Technologies Unit of LNEG
Dates	2006-to 2009
Occupation or position held	Senior Researcher ("Investigador auxiliar") at INETI.
Dates	2003-2006
Occupation or position held	Research Assistant of INETI
Dates	1999 -2003
Occupation or position held	Research Trainee of INETI
Dates	1996-1999
Occupation or position held	Collaborator of the Department of Technology and Combustion End Use of Energy of INETI
Name and address of employer	LNEG – Laboratório Nacional de Energia e Geologia, I.P. (Ex- INETI – Instituto Nacional de Engenharia e Tecnologia Industrial, I.P.) Estrada do Paço do Lumiar, 1649-038 Lisboa, Portugal
Type of business or sector	R&D, Governmental Laboratory.
Dates	2009- to date
Occupation or position held	Professor of the lecture of Hydrogen and New Energy Vectors in the Master of Engineering of Energy and Environment at FCUL - Faculdade de Ciências da Universidade de Lisboa

## Education and training

Dates	2006
Title of qualification awarded	PhD in Chemical Engineering from New University of Lisbon
Principal subjects/occupational skills covered	Production of liquid and gaseous hydrocarbons by plastic waste pyrolysis
Name and type of organisation providing education and training	Faculty of Science and Technology - New University of Lisbon
Level in national or international classification	PhD in Chemical Engineering
Dates	2003
Title of qualification awarded	M Sc. equivalent
Principal subjects/occupational skills covered	Plastic waste pyrolysis
Name and type of organisation providing education and training	INETI
Level in national or international classification	Very good
Dates	1995
Title of qualification awarded	5 years Degree in Chemical Engineering
Principal subjects/occupational skills covered	Chemistry, mathematics, physics, among other subjects.
Name and type of organisation providing education and training	Faculty of Science and Technology - New University of Lisbon
Level in national or international classification	15 Values (maximum 20 Values)

Mother tongue(s) Portuguese

Self-assessment	<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
<b>English</b>	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
<b>French</b>	B1	Independent user	B1	Independent user	A1	Basic user	A1	Basic user	B1	Independent user

(\*) [Common European Framework of Reference for Languages](#)

## Social skills and competences

Ability to work in group and to talk in public (conferences, lectures and institutional visits). Thirty oral presentations and eight posters in international conferences.

## Organisational skills and competences

Participation on the organization of the international conference of on Industry-based Bioenergy and Biorefinery, held in Lisbon in November, 2009

## Technical skills and competences

Representative of LNEG in the sub program thermochemical platform of EERA Bioenergy.  
Representative of LNEG in the sub program environmental impact and footprint of EERA Shale Gas.

Collaboration in the elaboration of projects in the production of liquid fuels by pyrolysis of waste.

Participation in feasibility studies for waste treatment by pyrolysis and Gasification

Participation in a variety of national and international projects in the area of energy recovery of waste using gasification, pyrolysis and liquefaction.

Participation in the European project of Solar fuels (STAGE-STE).

Coordinator of the SP3 (Monitoring and mitigating emissions to atmosphere) in the European project, *Measuring, monitoring, mitigating managing the environmental impact of shale gas*.

Coordinator of the WP3 (Validation of key enabling technologies in upstream processing), in the European project *Integrated catalytic recycling of plastic residues into added-value chemicals (iCAREPLAST)*

Participation in the project of the hydrogenation of mixtures of vegetable oils and petroleum for fuel production requested by the company Galp.

Orientation of more than twenty Master theses in the pyrolysis, hydrogenation and combustion field.

Revision of scientific papers for the Journal of Analytical and Applied Pyrolysis, Applied Energy, Fuel Processing Technology, Energy and Energy & Fuel Journals.

Evaluator of national projects.

Development of analytical methods and conditions optimization for analysis by mass spectrometry and gas chromatography of liquids and gases of various. Collaboration on the analysis by gas chromatography and mass spectrometry of liquid and gaseous products from the projects of biomass gasification, coconut shells combustion, coal combustion, monitoring and control of gaseous emissions during the combustion and adsorption of VOCs on activated carbon.

FTIR and GC analysis requested by several companies.

Participation in environmental audits by monitoring the hydrocarbons present in gaseous emissions.

## **Publications**

PhD Theses (2006)

3 chapter of a book

19 papers published in national and international journals

6 papers published in the proceedings of international conferences with referee (four oral presentations and two poster)

32 papers published in the proceedings of national and international conferences proceedings without referee (twenty eight oral presentations and eight posters)

## **Computer skills and competences**

Expert in Microsoft Office 2007 and previous versions (MS Power Point, MS Excell, MS Word)