



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	Filomena Pinto
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E-mail	filomena.pinto@lneg.pt
Nationality	Portuguese
Date of birth	25.02.1957
Gender	Female

Occupational field Senior Researcher

Work experience

Dates	2001 - 2020
Occupation or position held	Senior Researcher ("Investigador Principal") at LNEG (formerly INETI).
Type of business or sector	R&D, Governmental Laboratory.
Dates	2008 - 2020
Occupation or position held	Visiting professor
Type of business or sector	FCUL (Faculdade de Ciências da Universidade de Lisboa) - Lisbon University
Dates	1994 - 2001
Occupation or position held	Researcher ("Investigador Auxiliar") at INETI
Type of business or sector	R&D, Governmental Laboratory
Dates	1989 - 1993
Occupation or position held	Researcher Assistant at INETI (Portuguese Research Institute)
Type of business or sector	R&D, Governmental Laboratory.
Dates	1982 - 1988
Occupation or position held	University lecturer at Instituto Superior Técnico,
Type of business or sector	Lisbon University

Education and training

Dates	1996
Title of qualification awarded	PhD in Chemical Engineering.
Principal subjects	Hydrocarbons production by Coal Liquefaction under pressure.
Organization	University of Lisbon
Dates	1985
Title of qualification awarded	MSc in Chemical Engineering
Principal subjects	Zinc Extraction with Liquid Solvents.
Organization	Technical University of Lisbon / IST
Dates	1982
Title of qualification awarded	5 years Degree in Chemical Engineering.
Organization	Technical University of Lisbon / IST

Mother tongue(s) Portuguese

Self-assessment

European level (*)

English

French

Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Excellent	C2	Excellent	C2	Very Good	C2	Very Good	C2	Excellent
C2	Very Good	C2	Very Good	C1	Good	C1	Good	C1	Good
C2	Very Good	C2	Very Good	C1	Good	C1	Good	C1	Good

Social skills and competences

Large experience in the organization of teams, leading and working in groups. Ability to talk in public – conferences, lectures and institutional visits.

Main Areas of Scientific Activity

Energy production from fossil fuels and/or wastes by thermochemical processes (combustion, gasification, pyrolysis and liquefaction) and hydrothermal processes (hydrothermal carbonisation, hydrothermal liquefaction and supercritical water gasification)
Production of biofuels (gaseous, liquids and solids)
Bio-refinery
Fluidised bed technology
Energy production from biomass
Catalytic processes
Syngas cleaning and upgrading
Bio oil upgrading processes
CCS (carbon capture and sequestration)
Hydrogen separation through membranes
Development of renewable fuels and processes
Energy efficiency
Emissions control from thermochemical processes
Hydrogenation of oils and animal fats

Other Professional Interests/Activities

1994 - 2015 National delegate in WPFF (Working Party on Fossil Fuels) of IEA, International Energy Agency.
1995 - 2005 National delegate in PyNE - Pyrolysis Network for Europe

Computer skills and competences

User of Microsoft Office 2010 and previous versions (MS Power Point, MS Excel, MS Word). Programmer in Fortran.

Experience as Scientific Adviser

Expert Evaluator of 7th FP and H202 proposals
Supervisor of 7 PhD Thesis (6 already finished)
Supervisor of 31 Master Thesis (29 already finished)

Co-Coordination of R&D Projects

- 7220-PR/089 — Comparison of combustion and gasification technologies to process coal and waste mixtures — Financed by “ECSC-European Coal and Steel Community, RTD Programme.
- 7220-PR/078 — Development of alternative use of marginal coal achieving a thermal improvement blending with biomass (COLIVE) — ECSC.
- 7220-PR/142 – Thermal Improvement of High Rank Coals-Oil Wastes Blends Combustion and Gasification (CO-OIL) – Financed by ECSC.
- 4.1030/C/00-015/200 – Opportunities for bio-oil in European heat and power market — Financed by EC ALTENER Programme.
- FAIR/CT95/0270 — Application of fluidised bed technology to improve the combustion of corkwaste.
- RFC-CR-04006 – Advanced Gas Purification Technologies for Co-gasification of Coal, Refinery By-products, Biomass and Waste – AGAPUTE – Financed by RFCS-Research Programme of the Research Fund for Coal and Steel for Research, Pilot and Demonstration Projects”.
- RFC-PR-04011 – Coal catalytic co-gasification in an innovative rotary kiln gasifier – COCACORK – RFCS
- RFC-PR-04001 – Development of a new generation of coal-derived environmentally friendly pitches – ECOPITCH – Financed by RFCS.
- RFC-PR-04010 – Clean syngas from carbonaceous materials for highly efficient electric energy generation – CLYCARGAS – Financed by RFCS.
- POCI/ENR/63388/2004 – Valorization of used tyres, plastics and biomass wastes by pyrolysis to produce

- valuable end products – Financed by FCT – Fundação para a Ciência e a Tecnologia.
11. PETER - Parque Experimental Transfronteiriço Sobre Energias Renováveis - Financed by INTERREG III A Cooperación Transfronteriza España-Portugal.
 12. RFCR-CT-2006-00003- HYDROSEP - Hydrogen separation in advanced gasification processes - Financed by RFCS
 13. "SOLBIOPOLISY - Biofuel polygeneration system integrating MSW landfill gas and solar energy - Financed by 6th Framework Programme (FP6).
 14. RFCR-CT-2007-00005 - FLEXGAS - Near zero emission advanced fluidised bed gasification – Financed by RFCS
 15. RFCR – CT – 2010 – 00009 - FECUNDUS – Advanced concepts and process schemes for CO² free fluidised and entrained bed co-gasification of coals – Financed by RFCS.
 16. "RefinOlea: Valorização integrada de resíduos" – Financed by QREN - Quadro de Referência Estratégico Nacional – Duração: 2010-2012.
 17. ENER/FP/249804 - GASBIOREF - Gasification of Biofuels and Recovered Fuels - Financed by "7th Framework Programme" (FP7).
 18. 251151 - PROETHANOL2G – Integration of Biology and Engineering into an Economical and Energy-Efficient 2G Bioethanol Biorefinery – Financed by "7th Framework Programme" (FP7).
 19. ENERMAS – Cluster transnational d'innovation pour la valorisation énergétique de la biomasse – Financed by SUDOE-INTERREG IVB.
 20. PTDC/AAG-REC/3477/2012 – RICEVALOR-Energetic valorisation of wastes obtained during rice production in Portugal – Financed by FCT.
 21. PTDC/AGR-FOR/3872/2012 – The forgotten components of forest sustainability: the below-ground biomass of *E. globulus* – Financed by FCT.
 22. SecMilho – Aproveitamento do carolo e/ou palha de milho como fonte de energia dos secadores de milho– Financed by PRODER – Programa de Desenvolvimento Rural.
 23. STAGE-STE – Scientific and Technological Alliance for Guaranteeing the European Excellence in Concentrating Solar Thermal Energy – Financed by FP 7, Grant Agreement N° 609837 (2014-2018).
 24. M4ShaleGas – Measuring, monitoring, mitigating managing the environmental impact of shale gas – Financed by Horizon 2020, Grant Agreement, N° 640715 (2015-2018).
 25. SMIBIO – Development of flexible small-scale integrated biorefineries to produce an optimal range of bioproducts from a variety of rural agricultural and agro-industrial residues/wastes with a minimum consumption of fossil energy – ERANET-LAC (2015-2018).
 26. BioEnergyTrain – Financed by Horizon 2020, Grant Agreement, N° 656760 – Duração: 2015-2019.
 27. Phoenix – – People for the European bio-ENERgy mix – Financed by H2020-MSCA-RISE-2015 (2015 - 2019).
 28. RFCR-RPJ-709493 – DIRPRIMCOAL – Direct Primary Coal Liquefaction via an Innovative Co-processing Approach with Waste and Petroleum Feedstocks - financed by Research Programme of the Research Fund for Coal and Steel (2016-2019).
 29. Ambition – Advanced biofuel production with energy system integration – Financed by HORIZON 2020 Call – LCE 33 – 2016 – Grant Agreement, N° 731263 (2016 – 2019).
 30. CONVERTE – Potencial biomássico para energia – POSEUR-01-2016-36 (2017 – 2018).
 31. BIOFABXXI – Reactor bi-funcional de pré-tratamento e pirólise para produção de biocombustíveis e produtos de valor acrescentado –P2020 (2017-2019).
 32. BIOMASTEP – Desarrollo y transferencia a las empresas bioenergéticas de una tecnología innovadora NIR (Near-Infrared Spectroscopy) para el análisis rápido y económico de la calidad de biomasa autóctona del área transfronteriza – EP - INTERREG V A España Portugal (POCTEP) (2017-2019).
 33. BRISK II - Biofuels Research Infrastructure for Sharing Knowledge II - Financed by HORIZON 2020-INFRAIA-2016-2017 – Grant Agreement, N° 731101 (2017 – 2022).
 34. iCAREPLAST – Integrated Catalytic Recycling of Plastic Residues Into Added-Value Chemicals – Horizon 2020 (2018 – 2021).
 35. Greenfuel – Sistema de baixas emissões para a produção de combustíveis verdes e de compostos bioativos de elevado valor comercial baseado na biorefinaria de gordonia alkaninovorans estirpe 1B – FCT (2018 – 2021).

Publications

- 19 - Chapters in books
- 80 - Papers in international scientific periodicals with referees
- 11 - Papers in Portuguese periodicals with referees
- 43- Papers in conference proceedings with Referee
- 170- Papers in conference proceedings without Referee

