



María Vanessa FIERRO PASTOR, CNRS Research Professor-HDR

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Institut Jean Lamour UMR 7198 CNRS - Université de Lorraine
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Education

- * Qualification for supervising PhD works-HDR (2010) : *Synthesis, characterisation and applications of porous solids. Lorraine University (France)*
- * Ph.D. (1998, honours): *'Abatement of SO₂ emissions by injection of calcium based sorbents in pulverised coal boilers'* Dept. of Chemical Engineering (UZ-CED)
- * M.Sc. (1994) in Chemistry UZ-CED
- * B.Sc. (1993) in Sciences *University of Zaragoza (Spain). UZ-CED*

Professional & Research Experience.

Jan 06 – present	Full time CNRS researcher, Institut Jean Lamour, Epinal (France)
Jan 02 - Dec 05	Full time senior researcher Rovira i Virgili University. Tarragona (Spain)
Nov 00 - Dec 01	Associate researcher at Institut de Recherches sur la Catalyse (CNRS) Villeurbanne (France)
Jul 99 – Oct 00	Postdoctoral fellow at Institut Français du Pétrole (IFP) Solaize (France)
Jan 99 – May 99	Associate Professor (partial time) at UZ-CED
Jul 98 – Jun 99	Postdoctoral fellow at Instituto de Carboquímica (C.S.I.C.).
Jan 94 – Jun 98	PhD research studies at Instituto de Carboquímica (C.S.I.C.). Zaragoza (Spain)
Jun 93 – Dec 93	Post-graduate level research at Instituto de Carboquímica (C.S.I.C.). Zaragoza (Spain)

Languages Spanish (mother tongue), English, French and Catalanian (fluent)

Publications In peer-reviewed international journals: 320

Citations 12738 h-index: 62 (Google Scholar, April 4th 2022)

Experience

Materials:	Carbons, Porous, monolithic, granular and fibrous materials, Biomass
Phenomena:	Catalysis, Mass, charges and heat transfers
Techniques:	Adsorption, Pyrolysis, Activation, Inorganic syntheses
Properties:	Electrical and thermal conductivity, Elasticity, Permeability, Diffusion
Theories:	Physics of disordered media, Surface science, Charge transfer
Applications:	Energy, Functional materials, Environment, Gas storage, Supercapacitors

Awards

- 2022, -16 & -13 Supervisor of the winners of the French Carbon Group Award to the best PhD thesis on carbon
- 2020 CNRS Silver Medal
- 2019 Charles E. Pettinos award (American Carbon Society)
- 2017 Micromeritics Grant
- 2012 1st Award of Innovative Techniques for the Environment (2012), awarded by ADEME
- 2012 German High Tech Champion Award, awarded by Fraunhofer Gesellschaft (Germany)

Evolution in the number of publications (left) and citations (right) in the last 10 years

