NAME	FOURCADE Florence
BIRTH DATE	August 21, 1973
NATIONALITY	French
ADDRESS	Université Rennes 1, Ecole Nationale Supérieure de Chimie de Rennes, CNRS, UMR 6226, Avenue du Général Leclerc, CS 50837, 35708 Rennes Cedex 7, France. Team "**Chimie et Ingénierie des Procédés**" *Tel : 33.(0)2.23.23.81.58 - Fax: 33.(0)2.23.23.81.20* florence.fourcade@univ-rennes1.fr
PRESENT JOB	Senior Lecturer Thematic : ***Biological and Physico-Chemical Treatments*** (Biodegradation, Advanced Oxidation Processes, Electrochemistry)

♦ EDUCATION AND RESEARCH ACTIVITIES

2000	**PhD in Chemical Engineering** *(Laboratoire de Génie Chimique – UPS Toulouse)*
1997	**DEA in Chemical Engineering** *(Laboratoire de Génie Chimique – UPS Toulouse)*
1996	**Master of Physical Chemistry** *(Université Paul Sabatier (UPS) Toulouse)*

♦ PROFESSIONAL EXPERIENCE

2003-Present	**Senior Lecturer** University of Rennes1 (Chemistry Department of the Technological Institute) UMR 6226 Sciences Chimiques de Rennes- CIP team
2001-2003	**Assistant Lecturer and Researcher** University of Rennes1(Chemistry Department of the Technological Institute) Laboratoire des Procédés de Séparation – University of Rennes 1
2000-2001	**Post doctorat, collaboration with CEA Marcoule** – "Electrochemical process conception for the decontamination of mineral matrix used in nuclear industry."*Laboratoire de Génie Chimique – UPS Toulouse*
1997-2000	**PhD student, collaboration with CEA Marcoule** – " Electrochemical process for metal recovery from iodized silver derivatives adsorbed on mineral matrix."Experimental and theoretical approaches**.** " *Laboratoire de Génie Chimique – UPS Toulouse*
1996-1997	**Advanced Training period**, **collaboration with CEA Marcoule** : "Electrochemical techniques for the selection of reducing agents of iodized silver derivatives." *Laboratoire de Génie Chimique – UPS Toulouse*

♦ *TEACHING* (*University of Rennes 1 – IUT, Chemistry Department of the Technological Institute*)

Magisterial Courses
- Oxydo-reduction

Classwork:
- thermodynamic
- analytical chemistry (atomic absorption)
- electrochemistry, electroanalytical chemistry

Practical courses:
- analytical chemistry
- electrochemistry
- chemical engineering
- water chemistry

Professional Licence : *Production industrielle et analyse en chimie et agro-alimentaire*
Magisterial and practical Courses : electrochemistry

Administrative activity
Responsible for " Poursuites d'études"

♦ RESEARCH TOPICS (within the team "CIP", theme Physico-chemical and biological treatment processes, UR1 - ENSCR)

Pollution treatment in aqueous medium :

Persistent organic pollutants removal: pesticides, azo dyes, pharmaceutical compounds, endocrine disruptors

- Biological Processes (activated sludge)
- Physico-chemical Processes:
  Electrochemical processes,
  Advanced Oxidation processes (photocatalysis, homogeneous and heterogeneous electro-Fenton processes)
- Coupled Processes:

  Electrochemical and biological processes, AOP-biodegradation