

Pierre Le Cloirec

Curriculum Vitae

Born on February, 11th 1955, married, 2 children
Army service 1980-1981
Officier dans l'Ordre des Palmes Académiques

Professor, Director
Ecole Nationale Supérieure de Chimie de Rennes
Campus de Beaulieu, Avenue du Général Leclerc,
CS 50837, 35708 Rennes, France
Tel : 33(0)2 23 23 80 01
Fax: 33(0)2 23 23 81 11
e-mail: Pierre.le-Cloirec@ensc-rennes.fr

Education

1979 Chemist Engineer (Master degree) (ENS Chimie
Rennes, France)
1983 PhD in Chemistry (University of Rennes I, France)
1985 PhD in Physics (University of Rennes I, France)
1985 Pos-Doctoral Position University of North Carolina
(Chapel Hill, NC, USA)

Professional experiences

1981-1982 Chemist Engineer Laboratory of
Environmental Engineering, ENS Chimie Rennes, France
1982-1990 Assistant Professor, Laboratory of
Environmental Engineering, ENS Chimie Rennes, France
1990-1995 Professor Head of laboratory
Environmental Engineering, Ecole des Mines d'Alès,
1995-2006 Professor Head of Department Energetic
and Environmental Engineering, Ecole des Mines de
Nantes, France, Vice Director, UMR CNRS 6144 GEPEA
2006 Professor 1st category, C3, Ecole de
Chimie de Rennes (ENSCR) - Director

Specific Responsibilities

➤ in France
- Director of Ecole Nationale Supérieure de Chimie de
Rennes, France (2008)
- Head of Department Energetic and Environmental
Engineering, Ecole des Mines de Nantes, France (1997 –
2005)
- Vice Director, UMR CNRS 6144 GEPEA (2002 - 2006)
- Head of laboratory Environmental Engineering, Ecole
des Mines d'Alès, France. (1990 – 1995)
➤ at international level
Regional Editor, of the journal Environmental Technology
Editor "Air" aux Techniques de l'Ingénieur
Head of the group "Water and Air" French Chemical
Engineering Association
Members of Scientific Associations (IWA, ACS, AIChE,
AWWA, SFC, SFGP)

Scientific production

- International publications: 220
- Patents: 18
- Books and Chapters 3 + 29
- International communications: 242
- Intern. Invited conferences: 19
- PhD supervisor: 56
- HDR supervisor: 5
- Awards: 7



Lecture - courses

➤ Ecole de chimie de Rennes – Master level
Mass and Heat transfers
Experimental methodology
Process with mass transfer - Separation
Water, wastewater treatments and Air treatments ()
➤ Research Master 2
Adsorption –desorption
Air treatments
Multi-scale analysis of environmental technologies

Research topics

- Water and wastewater treatments (micropollutants)
- Air treatments (VOC, odors)
- Adsorption-desorption
- Multiphase reactors
- Bioreactors in air treatments

Academic collaborations

- School of Mines group (GEM Energetic and
Environmental engineering)
- Bridge and Road Lab., Nantes
- Scientific and Technical Center for buildings Nantes
- University of Paris VI

- Hong Kong University of Science & Technology (Pr
Gordon McKay)
- University of Santa Catarina, Florianopolis, Brasil -
CINVESTAV, Mexico City, Mexico,
- Wageningen University, The Netherlands

Academic research funding

- European Union program Removals: production and
utilization of activated carbons;
- Ademe Exothermal reaction of adsorption;
- Ademe Intensification loaf the biofiltration for air
treatments
- ANR – DGE Air treatment of vehicles

Industrial research funding

- Renault - Valéo filtration-adsorption air in car
- Veolia: Taste and Odor in water;
- Air Liquide: VOC treatments
- Prosim – CEACA (Arkema) Adsorption modeling
- IDAC endocrine disrupters (analysis and removal)