



Pr Carlos AFONSO



Professor

Analysis and modelling team

Mass spectrometry and separation group

Tel : +33 2 35 52 29 40, e-mail: carlos.afonso@univ-rouen.fr

<https://orcid.org/0000-0002-2406-5664>

Website: <https://ic2mc.cnrs.fr>

PROFESSIONAL EXPERIENCES

- 2011- Professor in analytical chemistry at University of Rouen - Normandy, France. Separative science and mass spectrometry group leader
- 2002-2011 CNRS Research scientist at University Paris 6, Mass spectrometry group member. Fourier transform mass spectrometry (FTICR MS) and ion activation.
- 2000-2002 Postdoctoral Associate; Univ. of Maryland, USA. Development microorganism characterization mass spectrometry methods
- 1997-2000 Graduate student at DGA Maîtrise NRBC (analytical chemistry department), Vert-le-Petit, France.

EDUCATION

- 2008 Habilitation (HDR, University Pierre & Marie Curie, Paris 6).
- 2000 PhD Analytical Chemistry (University Pierre & Marie Curie, Paris 6) under the supervision of Pr Jean-Claude Tabet.
- 1996 MSc in Organic Chemistry (University Paris XI).

ADMINISTRATIVE & INSTITUTIONAL RESPONSIBILITIES

- 2020- Head of the French national FTICR mass spectrometry infrastructure.
- 2015- Member of the CNRS section 12 (molecular chemistry) committee.
- 2014- Co-director of the iC2MC international joint lab.
- 2014-2016 Committee member of French national research agency (chemistry).
- 2014-2015 Director of University of Rouen selection committee in theoretical, physical and analytical chemistry (CCSE 31rd section).
- 2008-2011 Member of the administration committee of the French society of mass spectrometry.

RESEARCH INTERESTS

Development of analytical methods based on high resolution mass spectrometry and ion mobility mass spectrometry for the characterization of highly complex organic mixture.

Specialist of high field FTICR MS, with the highest field installed in France (12 T), and of ion mobility spectrometry.

SCIENTIFIC ACHIEVEMENTS

Academic record (h-index: 27, Publons)

150 publications, 1 book chapter, 1 patent, 40 invited lectures

<http://www.researcherid.com/rid/E-9736-2011>