

CURRICULUM VITAE

Researcher ID _____

Orcid _____

A/ Education

B/ Professional experience

From 1988 to 2002, my main research subject was the study of the interactions of energetic particles (ions, clusters, molecules, photons) with matter. A first part of this work concerned the mechanisms of energy deposition and energy relaxation of incident particles in an inorganic or molecular target. The second and complementary part concerned some instrumental developments involving time-of-flight mass analysers, new desorption-ionisation probes, and detection systems.

Since 2002 in charge of a project of biological imaging by mass spectrometry by cluster-TOF-SIMS and MALDI-TOF. This work is conducted in three directions: treatment and use of biological tissue sections, improvement of instrumental methods, and application to in situ studies of lipid disorders linked to human diseases.

Since 2010, Head of Mass Spectrometry Group at ICSN-CNRS.

C/ Ph.D. Award of the French Mass Spectrometry Society (1990),
Award of the Analytical Chemistry Division of the French Chemical Society (2007)
RCM Beynon Prize (Best Paper published in Rapid Commun. Mass Spectrom. 2015-2016)

D/ Lecture at the Collège de France 5 May 2014

E/ Member of the French Mass Spectrometry Society and of the American Society of Mass Spectrometry, Elected Member of the SIMS International Scientific Committee (2017-2023)

F/ Participation in projects

G/ 128 publications

H/ 10 most cited publications

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