

Professional appointments

- 09/2005 – current Full Professor of Chemistry (status: PR Ex2)
Aix Marseille University, Marseille, France
from 2012: Institut de Chimie Radicalaire (<https://icr.univ-amu.fr>)
2008-2011: Laboratoire Chimie Provence
2005-2008: JE TRACES
- 01/2003 – 08/2005 Associate Professor of Chemistry
University Paul Cézanne (Aix-Marseille III), Marseille, France
- 09/2001 – 12/2003 Chemist Engineer in Analytical Chemistry
Sanofi-Synthélabo, Chilly-Mazarin, France
in charge of MS method development for anticounterfeiting
- 01/2000-07/2001 Post-doctoral fellow
Purdue University, West Lafayette, IN, USA
Aston Lab for Mass Spectrometry; advisor: Pr RG Cooks
- 12/1992 – 10/1999 Chemist Engineer in Analytical Chemistry
Laboratory for Water Monitoring, Clermont-Ferrand, France
Head of Chromatography & Mass Spectrometry Department

Education & Titles

- 17/12/2003 Research Habilitation (HDR) – Aix Marseille University
- 1995 – 1999 PhD in Analytical Chemistry – University Paris VI
advisor : Pr J-C Tabet
- 1993 – 1994 Master of Sciences (Analytical Chemistry) – University Lyon I
- 1989 – 1992 National School of Chemistry in Clermont-Ferrand

Key figures

- 181 peer-reviewed papers
- 4 book chapters
- 3908 total citations – h-index: 35
- ORCID: 0000-0003-3807-8375
- 29 invited conferences
- 2 patents
- 12 supervised PhD theses
- ResearchID: C-2195-2015

Editorial work

- Guest editor of Special Issues in *Rapid Commun. Mass Spectrom.*: “Polymer Mass Spectrometry” 2020, 34, issue S2; “Jean-François Muller” (publication scheduled in 2025)
- Guest editor of the Special Issue of *Mass Spectrom. Rev.* dedicated to Pr C. Wesdemiotis (publication scheduled in 2025)
- Board member of *Rapid Communications in Mass Spectrometry* (from 2010)
- Board member of *International Journal of Mass Spectrometry* (2012-2023)
- Board member of *Mass Spectrometry Reviews* (from 2019)

Scientific committees

- Reviewer for all main journals in the fields of mass spectrometry and analytical chemistry
- PhD committees (46): 27 as a reviewer including 2 abroad (Univ. Liège, Belgium, 2018; Queensland Univ. Technol., Australia, 2021), 19 as a member
- Habilitation committees (16): 5 as a reviewer, 11 as a member
- Member of the international scientific commission SEN-1 (Exact and Natural Sciences) of the Fonds National de la Recherche Scientifique (FNRS) for the French community of Belgium (since 2023)
- Member of the project selection committee (Analytical, Physical and theoretical Chemistry) of the French Research Agency (2023)
- Expert for national research agencies of different countries including France, Czech Republic, USA, the Netherlands, and the European Research Council
- Expert for the French Evaluation Agency: Laboratoire de Chimie Physique, Orsay University (2013); Institut Parisien de Chimie Moléculaire, Sorbonne University (2018); Acides Nucléiques: Régulations Naturelle et Artificielle, University of Bordeaux (2021)
- Scientific consultant in mass spectrometry for the TotalEnergies company (from 2011)

Awards

- Academic Innovation Award from the French Polymer Society (2024) shared with J.-F. Lutz and D. Gigmes
- Scientific Excellence Award: obtained for 4 years in 2010, renewed in 2014, 2018 & 2022
- Young Investigator Award (2005) from the City of Marseille

Project funds [total: 3.8 M€; * funded by the French Research Agency]

As a Principal Investigator:

- 2023-25: AMU "Initiative of Excellence", co-funding of MALDI-TOF instrument, 350 k€
- 2020-24*: *Conformational design for high throughput reading of digital polymers*, 512 k€
- 2019-20: CNRS TOTAL PEPS'I *Biodegradability of polyesters by DESI-MS*, 20 k€
- 2016: Région Provence Alpes Côte d'Azur, co-funding of DESI source, 53 k€
- 2014: Research Contract, TOTAL Company (confidential), 50 k€
- 2010-14*: *Bio-compatible for blending natural with synthetic polymers*, 611 k€
- 2007-10: Research Contract, ARKEMA Company (confidential), 145 k€
- 2006-09*: *MS with NMR for structural characterization of synthetic copolymers*, 101 k€

As a Partner:

- 2022/2029*: Priority Research Program (PEPR) MolecuArXiv, 320 k€ (total: 20 M€)
- 2020-24*: *Digital polymer multilayers for information storage*, 490 k€
- 2019-23*: *Amplification of enantioselectivity in organocatalysis*, 354 k€
- 2016-21*: *Synthesis & Sequencing of Information-Containing Macromolecules*, 615 k€
- 2010-14*: *Design of experiments for copolymer ionization in mass spectrometry*, 187 k€

Scientific management

- From 2012: Head of the research group in spectrometry composed of 7 scientists (MS, NMR & EPR) within the Institut de Chimie Radicale
- From 2003: advisor for 7 postdocs, 12 PhD students, 20 Master students, 2 IT engineers

Organization of conferences

- Member of Conference Scientific Boards
 - Separation and Characterization of Macromolecules SCM, permanent international member from 2024
 - European Symposium On Polymer Spectroscopy ESOPS-2024, Berlin, Germany
 - Mass Spectrometry & Proteomic Analysis SMAP-2024, Lille, France
 - International Mass Spectrometry Conference IMSC-2024, Melbourne, Australia
 - French Society for Mass Spectrometry SFSM-2010, Clermont-Ferrand, France
 - Bio-Dendrimers 2010, Porquerolles, France
- Organizer and chair of the workshop "Mass Spectrometry of Synthetic Polymers" at the European Mass Spectrometry Conference EMSC-2018, Saarbrücken, Germany

Teaching activities

- Since 2003: teaching duty (192 HETD/year) at Aix Marseille University, focused on mass spectrometry & allied techniques at undergraduate and graduate levels
- Industrial professional trainings: TotalEnergies (2024), Sanofi (2023), Uργο (2015)

Institutional Responsibilities & Commissions of Trust

- 2019-23: member of the Comité National des Universités (CNU 31)
- 2016-21: member of Board of the Faculty of Sciences at Aix Marseille University
- 2016: Deputy-director (8-month vacancy) of Fédération des Sciences Chimiques (FR 1739)
- 2012-23: Deputy-director of the Institute for Radical Chemistry at Aix Marseille University
- 2010-11: Member of Administration Board of Université de Provence
- 2009-12: Member of Administration Board of the French Society for Mass Spectrometry
- 2005-10: Member of the Recruitment Commission at Université de Provence
- 2003-08: Creation and technical management of the MS facility of Aix Marseille University

Membership: American Society for Mass Spectrometry, French Society for Mass Spectrometry, American Chemical Society, French Chemical Society, French Polymer Society