



**Curriculum Vitae
(September 2021)**

1. Personal and Professional Data

Birth date (and place) : December, 9th, 1951 (in Sidi-Bel-Abbès, Algeria).
Citizenship : French (by Birth).
Marital Status : Married, two children.
Present positions : Emeritus Professor in CNRS & Ecole Normale Supérieure, Paris, France,
Distinguished Visiting Professor, Xiamen University, Xiamen, China.
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2. Academic Training

Undergraduate studies (1971-1975) : Ecole Normale Supérieure and University Pierre et Marie Curie, Paris, France,
Curricula: M1 & M2 in Analytical and Physical-Chemistry, Chemical Physics, Organic Chemistry,
M1 in Mathematics and Physics.
Doctorat d'Etat ès Sciences (1979) : University Paris Diderot, Paris. Ph.D. Advisor: Professor Jean-Michel Savéant.
('Doctorat d'Etat ès Sciences' was a former French Degree equivalent to the modern Ph.D. & Habilitation).

3. Professional Career

○ **Permanent positions**

1974-1975 : Assistant Professor, Ecole Normale Supérieure (ENS), Department of Chemistry, Paris, France,
1975-1979 : CNRS Assistant Professor (CR 2); CNRS and University Paris Diderot, Paris, France,
1979-1982 : CNRS Associate Professor (CR 1); CNRS and University Paris Diderot, Paris, France,
1982-1983 : CNRS-NSF Research Assistant Professor; Indiana University at Bloomington, USA, with Prof. Jay K. Kochi,
1984-1990 : CNRS Professor (DR2); CNRS and ENS, Department of Chemistry, Paris, France,
1990-2001 : CNRS Full Professor (DR1); CNRS and ENS, Department of Chemistry, Paris, France,
2001-2007 : Full Professor of the Highest Ranks (PRCE, 1 & 2); University Pierre et Marie Curie (UPMC) and ENS,
2007-2017 : CNRS Full Professor of the Highest Ranks (DRCE, 1 & 2); CNRS and ENS,
2017-present: Emeritus Professor of the Highest Rank (DRCE 2 CNRS); CNRS and ENS,
2017-present: Distinguished Professor, Xiamen University, Xiamen, China.

○ **Temporary and Honorary appointments (the duration of the appointments varied between one week and one month):**

Visiting Professor, University of Houston (USA, July 1984) * Visiting Professor, Indiana University at Bloomington (USA, July 1986) * Honorary Professor, University of Modena (Italy, May 1993) * Honorary Professor, University of Padova (Italy, March 1996) * JSPS Visiting Professor (Japan, 1997) * Guest Professor, East Normal China University, Shanghai (China, April 2002 & May 2004) * Honorary Professor, Chinese Academy of Science, Changchun (China, October 2003) * Honorary Guest Professor, Wuhan University (China, May 2004) * Honorary Professor, Xiamen University (China, one month, each year from 2004 to 2016) * Hinshelwood Lecturer, Oxford (UK, May 2005) * Advisory Professor, Fudan University, Shanghai (China, July 2005) * Visiting Professor, University of Maceio (Brazil, May 2008) * Visiting Professor, Setif, Bejaia, Algiers, & Oran Universities (Algeria, June 2008) * Visiting Professor, Kharkov National University of Radioelectronics (Ukraine, September 2009) * Visiting Professor, University of North Carolina at Chapel Hill (USA, February 2010) * Visiting Professor, Fondazione Istituto Italiano di Tecnologia, Genoa (EU & Italy, October 2012) * Honorary Professor, Nanjing University (China, June 2014) * Molecular Science Frontier Lecture, Institute of Chemistry of the Chinese Academy of Sciences, Beijing (China, March 2016) * Visiting Scientist and Lecturer, University of Oslo (Norway, May 2016) * Visiting Professor, Institute of Chemical Research of Catalonia (ICIQ), Tarragona (Spain, November 2016).

4. Main Areas of Research

Christian Amatore's research mainly aims to introduce innovative theoretical concepts and experimental methods in molecular and analytical electrochemistry per se, although also mainly aimed to develop and take advantage of pioneering approaches for the investigation of mechanistic issues in the following three main areas:

- *Development of ultramicro- and nanoelectrodes and their applications in nanosciences, and investigations of non-electrochemical homogeneous mechanisms, e.g., single electron transfer catalysis,*

- *Mechanisms of homogeneous transition metal catalysis and cross-coupling reaction by transition metal complexes (Ni, Pd),*
- *Biological applications of micro- and nanoelectrodes at the single cell level: vesicular neurotransmitter exocytosis; oxidative stress in tissues.*

To date, Amatore's research has resulted in 509 original research articles published in international peer-reviewed journals, several book chapters, 10 French Habilitation theses, 59 French Ph.D. and 7 defended Ph.D. in foreign countries, 8 patents and more than 300 distinguished, award-winning, named, opening and plenary conferences have been delivered.¹

5. Honours and Awards

- **Knighthoods in French Republic Orders:** Knight in The Order of Merit (*French Republic*, 2006) * Knight in The Order of The Legion of Honour (*French Republic*, 2010) * Knight in The Order of The Academic Palms (*French Republic*, 2011) * Officer in The Order of The Academic Palms (*French Republic*, 2019).
- **Academies of Sciences. National:** French Academy of Sciences, Corresponding Member (1996) * French Academy of Sciences, Full Member (2002) * Catholic Academy of France, Full Member (2017) * Lorraine Academy of Sciences, Honorary Member (2020). **Other Academies of Sciences:** European Academy (Academia Europaea), Full Member (2011) * Chinese Academy of Sciences, Foreign Member (2013) * World Academy of Sciences (TWAS), Full Member (2013) * Brazilian Academy of Sciences, Foreign Member (2017).
- **Scientific Medals and Awards:** La Caze Prize (*The French Academy of Sciences*, 1992) * Silver Award (CNRS, 1993) * JSPS Visiting Professor (*The Japan Society for the Promotion of Science*, 1997) * Pittsburgh Conference Lecturer (*Pittsburgh University*, 2000) * Debye Distinguished Lecturer (*Cornell University*, 2001) * The Charles N. Reilley Award (*Society for ElectroAnalytical Chemistry*, 2002) * Nanqiang Lecturer (*Xiamen University*, 2004) * Louis de Broglie Medal (*Academia dei Lincei*, 2005) * Hinshelwood Lecturer (*The University of Oxford*, 2005) * Welch Foundation International Lecturer (*Welch Foundation, Houston, USA*, 2005) * Bourke Medal, (*The Royal Society of Chemistry*, 2006) * Luigi Galvani Medal (*The Italian Chemical Society*, 2007) * Michael Faraday Medal (*The Royal Society of Chemistry*, 2007) * Durham Lecturer of the Year (*Durham University*, 2008) * International Lecturer of the Year (*The Romanian Academy of Sciences*, 2009) * Bridiscka Lecture Award, (Heyrovsky Institute, 2014) * Centennial Texas Lecturer (Austin, 2013) * Distinguished Lecturer of the Year (Hubei Province, China, 2013) * International Lecturer of the Year (*The Royal Society*, 2013) * Breyer Medal (*The Royal Australian Chemical Institute*, 2014) * Heyrovsky Lecture Award (*Charles University*, 2015) * G.F. Smith Award Memorial Lecturer (*Urbana Champaign*, 2015) * The BCEIA Distinguished Award (*Beijing Conference and Exhibition on Instrumental Analysis*, 2015) * Volta Medal (*The Electrochemical Society*, 2016) * Odd Hassel Lecturer (University of Oslo, Norway, 2016) * Honorary Fellow (*Chemistry Europe*, 2016) * The Electrochemical Society Lecturer (*The Electrochemical Society*, 2016) * The Career Excellence Award (*The Electrochemical Society*, 2017) * Knight Memorial Lecturer (*Akron University*, 2017) * Costin D. Nenitescu Medal (*Romanian Society of Chemistry*, 2017) * Jaroslav Heyrovsky Medal (*The International Society of Electrochemistry*, 2019) * Grotius Medal (*Lithuanian Chemical Society*, 2018) * Lavoisier Medal (*French Chemical Society*, 2019) * Gold Medal (*The International Society of Electrochemistry & Electrochimica Acta*, 2021).
- **Fellowships awarded by Learned Societies:** Fellow of the International Society of Electrochemistry (2006) * Fellow of the Royal Society of Chemistry (2008) * Honorary Fellow of the Chinese Chemical Society (2009) * Honorary Member of the Israeli Chemical Society (2009) * Honorary Fellow of The Royal Society of Chemistry (2010) * Honorary ChemPubSoc Fellow (2015) * Distinguished Fellow of The French Chemical Society (2015) * Fellow of The Electrochemical Society (2017) * Honorary Chemistry Europe Fellow (2015).
- **Honoris Causa Doctorates:** Kharkov National University of Radio-Electronics, Kharkov, Ukraine (2005) * Universitatea Politehnica, Bucharest, Romania (2017) * University "Liu Hsiang-shan" of Cluj-Napoca, Cluj-Napoca, Romania (2018).

6. Editorial Activities in the service of International Scientific Journals with Peer-reviewing associated with Learned Societies

- **as Editor:** *Journal of Electroanalytical Chemistry* (1997-2009) * *ChemPhysChem* (2010-2018).
- **as Member of Editorial boards:** *Bulletin de la Societe Chimique de France* (1993-1998) * *Journal de Chimie Physique* (1993-1999) * *Comptes Rendus de Chimie de l'Academie des Sciences* (since 1996) * *New Journal of Chemistry* (1998-2002) * *Portugaliae Electrochimica Acta* (since 1999) * *ChemPhysChem* (2000 to 2017) * ARKIVOC (open access & on-line, since 2003) * *Journal of the Algerian Chemical Society* (since 2004) * *Analytical Chemistry* (ACS, 2006-2010) * *Journal of Electrochemistry* (Chinese Society of Electrochemistry, since 2010) * *Nano-Bio-Analysis* (on-line publication, since 2010) * *ChemElectroChem* (since 2013) * *Science China* (Chinese Academy of Sciences & National Natural Science Foundation of China, since 2010) * *Research* (American Association for the Advancement of Science & China Association for Science and Technology, since 2021).

¹ To date (August 31, 2021) his works have been cited ca. 52.8 times on average, with more than 26,870 citations, an h-index of 84, an i10-index of 427 and a citation rate greater than approx. 1,250 citations per year over the past eight years according to the Clarivate-ISI Web of Science database. The Scopus database reports essentially similar statistical analyses. Google Scholar which also includes books, proceedings and doctorates or master's thesis manuscripts, etc., in addition to peer-reviewed scientific journals in its database, reports that on the same date his works were cited ca. 70.2 times on average, with more than 35,700 citations, an h-index of 94, an i10-index of 444 and a citation rate greater than ca. 1,850 citations per year over the past eight years, thus highlighting the importance of his work for young scientists in their scientific development.

7. Scientific Organizing and Collective Responsibilities (French and Foreign)

- 1993-2010 : Founder and first Director of the Research Unit *PASTEUR* (UMR 8640, CNRS, ENS and UPMC),
1995-1997 : vice-President of the Physical Chemistry Division of the French Chemical Society,
1997-1999 : President of the Physical Chemistry Division of the French Chemical Society,
1997-present : Member of the Committee for Developing Countries (COPED) of the French Academy of Sciences,
1999-2006 : Dean of the Department of Chemistry of ENS (former Louis Pasteur's chair),
2001-2010 : Founder and Director of the Doctoral School of Physicochemical and Analytical Sciences of Central Paris,
2002-2012 : Founder and first Director of the Institute of Chemical Analytical Sciences of Central Paris,
2004-2019 : President of the Continental European Chemical Societies Consortium for *ChemPhysChem*,
2005-2012 : Chairman of the Scientific Council for Advanced Scientific Awareness of the French Department of Defense,
2005-2010 : Chairman of the Chemistry Section of the French Academy of Sciences,
2006-2008 : Chairman of the Division of *Molecular Electrochemistry* of the International Society of Electrochemistry,
2006-2015 : co-Chairman of the CNRS International Laboratory "*XiamENS*" (ENS-CNRS-University of Xiamen, China; co-Chair: Prof. Acad. Zhongqun Tian (University of Xiamen)),
2009-2013 : vice-President of the International Society of Electrochemistry,
2010-2014 : Member of the International Jury for the L'Oréal-UNESCO Prize "*For Women in Science*",
2011-2015 : vice-President of the French Academy of Sciences for Scientific Education and Advanced Training,
2013-2018 : President (successively Elect, in Charge, and Past) of the International Society of Electrochemistry,
2015-present : co-Chairman of the CNRS International Laboratory "*NanoBioCatEchem*" (France: ENS-CNRS & University of Rennes / China: Universities of Xiamen & Wuhan, China); co-Chair for China: Prof. Acad. Zhongqun Tian (Xiamen),
2015-2017 : President of the International Jury for the L'Oréal-UNESCO Prize "*For Women in Science*".

8. Scientific Advisory Boards and Scientific Councils (French and Foreign)

- 2002-2007 : Advisory Board of the Heyrovsky Institute, Prague, Czech Republic,
2002-2008 : Advisory Board of the Ecole Normale Supérieure of Cachan, Paris,
2003-present : Advisory Board of the Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China,
2004-present : College of Experts of The International Union of Pure and Applied Chemistry (IUPAC),
2005-present : Advisory Board of the Fudan University, China,
2005-2013 : Scientific Council of the Institute of the Arabic World, Paris,
2005-2017 : Chairman of several Evaluation Committees of Chemical Sciences, French Ministry of Research,
2005-present : Scientific Council of the National Conservatory of Arts and Crafts, Paris,
2006-2013 : Member of the Engineering and Physical Sciences Research Council College (*EPSRC*, UK),
2006-present : Scientific Council of the "*International Foundation of Maison de la Chimie*", Paris,
2006-2009 : Member of the *Haut Conseil de la Science et de la Technologie* (High Council composed of 20 Members appointed to directly advise The Presidents of The French Republic; Amatore served under Presidents Jacques Chirac and then Nicolas Sarkozy),
2007-present : Administrator of the "*International Foundation of Maison de la Chimie*", Paris,
2008 : Board of Electors, University of Oxford,
2007-present : Advisory Board of the State Key Laboratory PCOSS, Xiamen, China,
2012-2015 : Member of Universciences, the French National Council for Scientific Culture,
2014-present : Member of the International Advisory Board of the *iChem* Research Consortium, China,
2015 : Chairman of the Evaluation Committee for Chemical Sciences, Czech Academy of Sciences, Czech Republic,
2015-present : Administrator of the National Conservatory of Arts and Crafts, Paris,
2021-present : Member of the Scientific Board advising UNESCO for the International Basic Science Programme (IBSP).
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