

C. Amatore, HonFRSC, HonFCSC

Scientific Curriculum Vitae

French, Born December 1951, married, two Children

1. Academic Training

- *Education:*
 - Undergraduate studies (1971-1974): Chemistry, Physics, Physical-Chemistry ; Ecole Normale Supérieure and University Paris 6, Paris, France,
 - Agrégation of Chemistry (1974) (highest professional professorship degree in France),
- *Doctorat d'Etat* (1975-1979; cumulative grade equivalent to Ph.D. *plus* Habilitation; defended in December 1979); University Paris 7, Paris; performed under the guidance of Prof. Jean-Michel Savéant.
- *Post-Doctorate* (1982-1983): Professor Jay K. Kochi, Indiana University at Bloomington, USA.

2. French Professorships

- 1974-1975 Research assistant, Department of Chemistry, Ecole Normale Supérieure (ENS),
- 1975-1984 CNRS Assistant Professor (AR, then CR), CNRS and University Paris 7,
- 1984-1990 CNRS Full Professor, first rank (DR2), CNRS and Department of Chemistry, ENS,
- 1990-2000 CNRS Full Professor, second rank (DR1), CNRS and Department of Chemistry, ENS,
- 2000-present CNRS Full Professor, first exceptional rank (DRCE1), CNRS and ENS,
- 2001-2004 Full Professor (former Louis Pasteur's position), exceptional rank (PRCE1), University Pierre et Marie Curie (UPMC) and ENS,
- 2004-2007 Full Professor (former Louis Pasteur's position), highest exceptional rank (PRCE2), University Pierre et Marie Curie (UPMC) and ENS,
- 2007-2017 Full Professor of the highest exceptional rank (DRCE CNRS) at ENS and UPMC,
- 2017-present Emeritus Professor of the highest exceptional rank (DRCE CNRS) at ENS and UPMC

3. Foreign Professorships

- 1982-1983 Visiting Assistant Professor (CNRS-NSF), Indiana University, Bloomington, USA,
- 1993 Visiting Professor, Department of Chemistry, University of Modena (Italy),
- 1996 Visiting Professor, Department of Chemistry, University of Padova (Italy),
- 1997 *JSPS* Professor, Japan,
- 2002 Professor, Department of Chemistry, East Normal China University, Shanghai (China),
- 2009-present Professor, Xiamen University, Xiamen (China),
- 2017-present Distinguished Visiting Scientist, Xiamen University, Xiamen (China).

4. Scientific Directorships

- 1993-2010 Founder and first Director of the Research Unit "PASTEUR" (UMR 8640) Associated to 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,
- 1999-2006 Director of the Department of Chemistry of ENS,
- 2001-2010 Director of the Doctoral School of Physical and Analytical Sciences of Central Paris,
- 2002-2012 Director of the Institute for Chemical Analytical Sciences of Central Paris,
- 2004-present President of the European Chemical Societies Consortium for ChemPhysChem,
- 2005-2010 Chairman of the Chemistry Section of the French Academy of Sciences,
- 2006-2015 co-Chairman of the International CNRS Laboratory (ENS-CNRS-University of Xiamen, China); co-Chair: Prof. Z-Q Tian (University of Xiamen),
- 2011-2015 vice-President of the French Academy of Sciences for Education and Advanced Scientific Training,
- 2013-2014 President Elect of the International Society of Electrochemistry,
- 2015-present co-Chairman of the International CNRS Laboratory (ENS-CNRS-University of Rennes / Universities of Xiamen and Wuhan, China); co-Chair for China: Prof. Zhong-Qun Tian (University of Xiamen),
- 2015-2016 President of the International Society of Electrochemistry,
- 2017-2018 Past President of the International Society of Electrochemistry.

5. Scientific Advisory Boards and Administration Councils (French and Foreign)

- President of the Jury of the L'Oréal-UNESCO Prize "*For Women in Science*" (2015-2017),
- Chairman of the Evaluation Committee of Chemical Sciences in Czech Academy of Sciences, Prague (2015),
- International Advisory Board of the *iChem* Research Consortium, China (2014-present),
- Administrator of the Conservatoire des Arts et Métiers (2015-present),
- Member of the National Council for Scientific Culture (Universciences) (2012-2015),

- Member of the Jury of the L'Oréal-UNESCO Prize "For Women in Science" (2011-2015),
- Advisory Board of the State Key Laboratory PCOSS, Xiamen, China (2009-present),
- Board of Electors, University of Oxford (2008),
- Administrator of the "International Foundation of Maison de la Chimie", Paris (2007-present),
- Haut Conseil de la Science et de la Technologie (2006-2009),
- Scientific Advisory Council of the "International Foundation of Maison de la Chimie", Paris (2006-present),
- Engineering and Physical Sciences Research Council College (UK) (2006-present),
- Scientific Advisory Board of the French Ministry of Defense (CSD) (2005-2010),
- President of the CSD Committee for Advanced Scientific Awareness (2005-present),
- Scientific Advisory Council of the Institute of the Arabic World, Paris (2005-present),
- Scientific Advisory Council of the National Conservatory of Arts and Crafts, Paris (2005-present),
- College of Experts of IUPAC (2004-present),
- Advisory Board of the Changchun Institute of Academy of Sciences, China (2003-present),
- Advisory Board of the Fudan University, China (2005-present),
- Advisory Board of the Heyrovsky Institute, Prague, Tchequia (2002-2007),
- Advisory Board of the Ecole Normale Supérieure de Cachan, Paris (2002-2008),

6. Editorship and Editorial Boards of International Scientific Journals

- **Editorships:**
 - *ChemPhysChem* (2010-2018),
 - *Journal of Electroanalytical Chemistry* (1997-2009).
- **Active Editorial boards memberships:**
 - *ChemElectroChem* (since 2013),
 - *Nano-Bio-Analysis, NWPII* (since 2010),
 - *Journal of Electrochemistry* (Chine, since 2010),
 - *Science China* (since 2010).
 - *Current Analytical Chemistry* (since 2004),
 - *Journal de la Société Algérienne de Chimie* (since 2004),
 - *ARKIVOC* (electronic publication with peer review; since 2003),
 - *Portugaliae Electrochimica Acta* (since 1999),
 - *Comptes Rendus de Chimie de l'Académie des Sciences* (since 1996),
- **Past Editorial boards memberships:**
 - *ChemPhysChem : a European Journal* (from its creation in 2000 to 2017),
 - *Analytical Chemistry, ACS* (since 2006-2010),
 - *New Journal of Chemistry* (1998-2002),
 - *Bulletin de la Société Chimique de France* (1993-1998),
 - *Journal de Chimie Physique* (1993-1999).
- **European Chemical Societies Consortia :**
 - *Representative of the French Chemical Society (SCF) in the "Owners Representatives" of Analytical & Bioanalytical Chemistry (ABC), the European journal of analytical chemistry co-owned by 8 continental European chemical societies and Springer (distributed by Springer),*
 - *Representative of the French Chemical Society (SCF), in the "Owners Representatives" of "ChemPubSoc Europe" the consortium of 16 continental European chemical societies,*
 - *One of the 5 Presidents of "ChemPubSoc Europe".*

7. Honors and Distinctions (France)

- **French Academies**
 - *Full Member of the Catholic Academy of France* (elected December 2017),
 - *Full Member of the French Institute, Academy of Sciences* (elected December 2002),
 - *Associate Member of the French Academy of Sciences* (1996-2002).
- **French Medals and Awards**
 - *Lavoisier Medal*, of The French Chemical Society (2019),
 - *"Distinguished Scientist"*, of The French Chemical Society (2015),
 - *Knight and Officer in the Order of The Academic Palms* (French Republic, 2011, 2019),
 - *Knight in the Order of The Legion of Honor* (French Republic, 2010),
 - *Knight in the Order of Meritus* (French Republic, 2006),
 - *"Silver Award"* of CNRS (1993),
 - *"La Caze"* Prize of the French Academy of Sciences (1992).

8. Honors and Distinctions (Foreign and International)

- **Foreign Memberships in Academies of Sciences**
 - Brazilian Academy of Sciences (2017),
 - Chinese Academy of Sciences (2013),
 - World Academy of Sciences (TWAS) (2013),
 - European Academy (Academia Europæa) (2011).
- **Doctorate Honoris Causa**
 - University of Cluj, Romania (2018),
 - University Polytechnique, Bucarest, Romania (2017),
 - Kharkov National University of Radio-Electronics (KNURE), Ukraine (2005).
- **Honoris Causa Professorships**
 - “Honorary Professor”, Nanjing University, , China (2014),
 - “Honorary Professor”, Southeast University, Nanjing, China (2009),
 - “Honorary Professor”, Xiamen University, Xiamen, China (2007),
 - “Advisory Professor”, Fudan University, Shanghai, China (2005),
 - “Honorary Professor”, East China Normal University, Shanghai, China (2004),
 - “Guest Honorary Professor”, Wuhan University, China (2004),
 - “Honorary Professor”, Changchun Institute of Academy of Sciences, China (2003),
 - “Distinguished Research Fellow”, Japanese Society for the Promotion of Science (1997).
- **Main Scientific Distinctions and Medals**
 - *Gold Medal of The International Society of Electrochemistry* (2020),
 - *Jaroslav Heyrovsky Medal, The International Society of Electrochemistry* (2019),
 - *Grotius Medal, Lithuanian Chemical Society* (2018),
 - *Fellow of the Electrochemical Society* (2017),
 - *Costin D. Nenitescu Medal, Romanian Society of Chemistry* (2017),
 - *Volta Medal, The Electrochemical Society* (2016),
 - *Honorary Fellow of ChemPubSoc (now Chemistry Europe)* (2016),
 - “*Heyrovsky Award*”, *Heyrovsky Institute of CAS & Charles University, Prague* (2015),
 - *Outstanding Contributor to the Beijing Conference and Exhibition on Instrumental Analysis (BCEIA)* (2015),
 - *Breyer Medal of the Royal Australian Chemical Institute (RACI)* (2014),
 - *Distinguished International Scientist of the Hubei Province, China* (2013),
 - *President Elect of the International Society of Electrochemistry* (2012),
 - *Honorary Fellow of The Royal Society of Chemistry* (2010),
 - *Honorary Fellow of the Chinese Chemical Society* (2009),
 - *Honorary Member of the Israeli Chemical Society* (2009),
 - *Fellow of the Royal Society of Chemistry* (2008),
 - *Michael Faraday Medal, Royal Society of Chemistry* (2007),
 - *Luigi Galvani Medal, Societa Chimica Italiana* (2007),
 - *Bourke Medal, Royal Society of Chemistry* (2006),
 - “*President of the “Division of Molecular Electrochemistry”, International Society of Electrochemistry* (2006),
 - *Fellow of the International Society of Electrochemistry* (2006),
 - *Louis de Broglie Medal, Academia dei Lincei, Roma, Italy* (2005).

9. Main Scientific Research Areas

Amatore’s researches correspond to 506 original research articles published in peer reviewed international journals, 10 French Habilitation Theses, 59 French Ph.D. and 7 Ph.D. defended in foreign Countries, 7 Patents and over than 300 Distinguished, Award, Named and Plenary Lectures. Altogether, according to the Web of Science database (June 2020) these works cumulate over than 25 500 citations, corresponding to a h-index of 82 with an increasing citation rate, being above 1200 citations per year over the past seven years. They are mostly rooted on molecular electrochemistry developed towards the investigation of the three following main areas:

- Theoretical and experimental developments in molecular and analytical electrochemistry (ultramicro- and nanoelectrodes: diffusional transport, chemical mechanisms, single electron transfer catalysis),
- Biological applications of micro- and nanoelectrodes at the single cell level: vesicular neurotransmitter exocytosis; oxidative stress in tissues,
- Mechanisms of cross-coupling reaction by transition metal complexes (Ni, Pd).

C. Amatore, HonFRSC
Personal and Professional Data

Birth date (and place): December, 9th, 1951 (in Sidi-Bel-Abbès, Algeria¹).

Citizenship: French (by Birth).

Marital Status: Married, two children.

Titles: Docteur d'Etat ès Sciences (Ph.D. and Habilitation),
Director of Research in CNRS of Exceptional Rank,
Member of The Academie des Sciences, Institute of France,
Foreign Member of the Chinese Academy of Sciences,
Member of the World Academy of Sciences, TWAS,
Member of Academia Europæa,
Member of the Brazilian Academy of Sciences,
Distinguished Scientist of the French Chemical Society,
Honorary Fellow of the Royal Society of Chemistry,
Honorary Fellow of the Chinese Chemical Society,
Fellow of The International Society of Electrochemistry,
Life Membership Award of the Electrochemical Society,
Fellow of the Electrochemical Society,
Honorary Fellow of Chemistry Europe, the Consortium involving 16
continental European Chemical Societies in partnership with Wiley-VCH,
Past President of The International Society of Electrochemistry.

Positions and Affiliations: Emeritus Professor in CNRS & Chemistry Department of Ecole Normale
Supérieure.

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¹ Algeria was part of France at the time, being composed of three Departments.