

## ***Christian Amatore's Biography*** **(October 2020)**

Professor Christian Amatore, 68, was educated at Ecole Normale Supérieure (ENS), the leading French center for higher education and research. When he acted as the Director of the Chemistry Department of ENS as ENS Professor of Chemistry, then holding the former position of Louis Pasteur, he brought ENS back to the front international scene in chemistry by designing the present configuration of its Chemistry Department that encompasses several chemical fields from theoretical physical chemistry to bio-organic chemistry with a special focus on chemical issues of importance in many life functions. He is now Emeritus Director of Research in CNRS and Distinguished Professor in the University of Xiamen, Fujian, China.

He is Full Member of the French Academy of Sciences where he served as a vice-President in charge of Education, Foreign Member of the Chinese Academy of Sciences, Member of the Academia Europaea, Member of The Third World Academy of Sciences, Foreign Member of the Brazilian Academy of Sciences, Honorary Fellow of The Royal Society of Chemistry and of the Chinese Chemical Society, Honorary Member of the Israeli Chemical Society, Distinguished Scientist of the French Chemical Society (SCF), Fellow of the International Society of Electrochemistry (ISE) and of the Electrochemical Society (ECS), President and now Past President of the International Society of Electrochemistry. He served as one of the twenty members of the High Council of Science and Technology, which advised the French Presidents Jacques Chirac and Nicolas Sarkozy on scientific and technological matters. He has been thrice knighted by the French Republic in the national Orders of Merits and of Legion d'Honneur for his scientific achievements, and in the Order of Academic Palms.

In addition to the above list of impressive honors, Dr. Amatore received many important French and international awards and medals among which the Silver Medal (CNRS), the Reilley Award (SEAC), the de Broglie Medal (Academia dei Lincei), the Bourke Medal (RSC), the Galvani Medal (SCI), the Breyer Medal (RACI), the Heyrovsky award (Charles University, Prague), the Faraday Medal (RSC), the Volta Medal (ECS), Costin D. Nenitescu Medal (Romanian Society of Chemistry), the Grotius Medal, the Jaroslav Heyrovsky (ISE), the Lavoisier (SCF) and the Gold Electrochimica Acta (ISE) Medals. He has been distinguished lecturer in many outstanding universities (Royal Society (London), Oxford, Durham, Cornell, Pittsburgh, Prague, Caltech, Padua, Modena, Roma La Sapienza, Japan JSPS, Bologna, Cluj, Bucharest, etc.) and is Honorary Professor or Doctor Honoris Causa of several major universities in Europe and Asia, and is now "Distinguished Visiting Professor" in the University of Xiamen in mainland China.

Dr. Amatore's primary research contributions are disclosed in 506 publications accumulating more than 25 600 citations and corresponding to a *h*-index of 82 (according to ISI Web of Science, October 2020)<sup>1</sup> with an average citations rate larger than 1 200 per year over the past 7 years. They mainly explored the three following 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,*
- *Mechanisms of cross-coupling reactions by transition metal complexes (Ni, Pd).*

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<sup>1</sup> 31 600 citations and *h*-index of 90 according to Google Scholar, July 2020.