

## Dr Fethi BEDIQUI, Ph. D.

- \* Research Director, Centre National de la Recherche Scientifique CNRS
- \* President of the Group of Electrochemistry, French Chemical Society
- \* Vice Chair of the "Analytical Electrochemistry Division" of the "International Society of Electrochemistry"
- \* Head of the Group "Synthesis, Electrochemistry, Imaging and Analytical Systems for Diagnosis"

### **Imagery, Chemical and Genetic Pharmacology Unit**

UMR 8151 CNRS / U 1022 INSERM  
Université Paris Descartes- Chimie ParisTech  
11 Rue Pierre et Marie Curie,  
75231 PARIS Cedex 05, FRANCE  
Phone: 33 (0) 144 27 64 92  
Fax: 33 (0) 144 27 64 96  
E-mail: [fethi-bedioui@chimie-paristech.fr](mailto:fethi-bedioui@chimie-paristech.fr)



**Date of birth:** 28th of august 1957

## Academic Degrees

---

- 1981**      **Chemical Engineer** , Ecole Nationale Supérieure de Chimie de Paris. France.  
**1986**      **Ph. D.**, "Biomimetic Molecular Materials for Electrocatalysis and Electroanalysis" (Prof. B. Trémillon, Advisor) University Pierre & Marie Curie, Paris VI. France.

## Present professional affiliations & services

---

- French National Research Agency ANR, Member of the evaluation board.
- French Chemical Society SFC, Division of Analytical Chemistry DCA (Treasurer 2000-present)
- French Group of Electrochemistry SFC (President, elected 2006)
- French Group of "Nitric Oxide" Club NO (Council member, 2005-present)
- International Society of Electrochemistry ISE (Vice Chair of the "Analytical Electrochemistry" Division)
- Member of the **Council of PSL (Paris Sciences & Lettres Research University)**
- Member of the scientific committee of "**Journées Electrochimie**", "**ElecNano**" and "**ECHEMS**"

## Editorial activity & Publications

---

- Associated Editor of "**Currents in Analytical Chemistry**"
- Co-Editor of: "**N<sub>4</sub>-Macrocyclics Metal Complexes**" (JH Zagal, F. Bedioui & JP Dodelet) 14 Chapters, 800 pages. Springer, New York, 2006 (ISBN 10: 0-387-28429-X; ISBN 13: 978-0387-28429-3)
- Co-Author of "**Electroquímica: voltametrías sobre electrodo sólido**" (F. BEDIQUI, S. GUTIERREZ GRANADOS, A. ALATORRE ORDAZ & J. H. ZAGAL) Editorial USACH, Chili, 2009 (ISBN: 978-956-303-073-0).
- Guest Editor of two Special Issues of "**Analisis, European Journal of Analytical Chemistry**" (1999 & 2000)
- Author of 7 reviews of teaching "**Techniques de l'Ingénieur**"
- Co-Author of **196 publications in international peer-reviewed journals**
- H index = 43**

## Four significant publications

---

- J. FORTAGE, C. PELETIER, C. PERRUCHOT, Y. TAKEMOTO, Y. TEKI, F. BEDIQUI, V. MARVAUD, G. DUPEYRE, L. POPISIL, C. ADAMO, M. HROMADOVA, I. CIOFINI & P. LAINE. Single step versus stepwise two electron-reduction of polyarylpyridiniums: insight from the steric switching of the redox potential compression. *J. Amer. Chem. Soc.* 134 (2012) 2691-2705.
- D. QUINTON, A. GIRARD, L. TO THI KIM, V. RAIMBAULT, L. GRISCOM, F. RAZAN, S. GRIVEAU & F. BEDIQUI. On-chip multi electrochemical sensor array platform for simultaneous screening on nitric oxide and peroxynitrite. *Lab On Chip* 11 (2011) 1342-1350
- F. BEDIQUI, D. QUINTON, S. GRIVEAU & T. NYOKONG. Designing molecular materials and strategies for the electrochemical detection of nitric oxide, superoxide and peroxynitrite in biological systems. *Phys. Chem. Chem. Phys.* 12 (2010) 9976-9989
- J. H. ZAGAL, S. GRIVEAU, J. F. SILVA, T. NYOKONG & F. BEDIQUI. Metallophthalocyanine-based molecular materials for electrochemical reactions. *Coord. Chem. Rev.* 254 (2010) 2757-2791.