

CURRICULUM VITAE of Pedro de Oliveira

Born in Porto (Portugal) in 1967
Nationalities: French and Portuguese

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Professional career and diplomas

- 1989: **M. Sc. in Biochemistry**, University of Porto (Portugal);
- 1989–1992: **University Assistant** (Chemistry Department), University of Porto (Portugal);
- 1999: **Doctorate in Chemistry, D. Phil.**, under the supervision of Prof. H.A.O. Hill, University of Oxford (United Kingdom);
- 1999–2000: **Post-doctorates** in Paris (France) in the groups of Prof. Ch. Amatore, Ecole Normale Supérieure – (ENS-Ulm) and Prof. R. Bensasson (Muséum National d’Histoire Naturelle);
- 2000–2001: **Temporary teaching and research assistant** at the Faculty of Pharmacy of the University René Descartes – Paris 5 (France);
- 2001–2007: **Lecturer** at the Faculty of Sciences of Orsay, University Paris-Sud (France);
- 2005: **Habilitation to supervise research** at the Faculty of Sciences of Orsay, University Paris-Sud (France);
- 2007–present: **Professor** of Electrochemistry at the Faculty of Sciences of Orsay, University Paris-Sud, which became University Paris-Saclay (UPSaclay) in January 2020 (France).

Scientific production: 78 articles and 3 book chapters; h-index: 27.

Keywords concerning research activities: Electrochemistry; Polyoxometalates; Bio-electrochemistry; Electro-catalysis; Heterogeneous catalysis; Electron transfer; Nanomaterials.

A short biography

Pedro de Oliveira obtained his *D.Phil.* in Chemistry in the University of Oxford in 1999 under the supervision of Prof. H.A.O. Hill, having worked on the electrochemistry of redox proteins and enzymes. He then moved to France and for 2 years studied oxidative stress in living cells by an electrochemical approach using micro-electrodes in Prof. Ch. Amatore’s group at the Ecole Normale Supérieure – Ulm (Paris). He became lecturer in the Faculty of Sciences of the University Paris-Sud in 2001, and also member of Prof. L. Nadjo’s team in the Physical Chemistry Institute (ICP), where he got acquainted with polyoxometalate (POM) electrochemistry. He obtained his Habilitation in 2005 and became Professor of Electrochemistry in 2007. He has been the Habilitation Correspondent for Physical, Biological and Analytical Chemistry at the UPSaclay since 2008. He was Deputy Director of the ICP from 2015 to 2019. He is a member of the Graduate School of Chemistry of the UPSaclay, of which he has been Deputy Director for International Relations since 2021 and Deputy Director for Research since 2023. His research interests include the study of the electrochemistry and electro-catalysis of POMs and POM-based hybrids for energy and environmental applications, like the hydrogen and the oxygen evolution reactions (HER and OER), the reduction of oxygen and of nitrogen oxides and the redox catalysis of molecules of biological relevance. His main collaborators are the groups of Prof. J. Poble (Tarragona, Spain), Prof. C. Freire (Porto, Portugal) Prof. M. Sadakane (Hiroshima, Japan) and Dr. M. Ibrahim (Karlsruhe, Germany). He is the co-author of 78 articles (h-index: 27) in international peer-reviewed journals.