

***Single Ion magnets based on 3D Metal
Atoms: Analysis and New Candidates***

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Professional Career



1983-1988: Chemistry Degree - Universitat de Barcelona

1988-1991: Physics Degree - Universitat de Barcelona

1991-1993: PdD thesis "Weak interactions in solid state" (advisor: Prof. Santiago Alvarez)

1991-1995: Teaching Assistant at Universitat de Barcelona

1996-1997: Assistant Professor at Universitat de Barcelona (Associated Professor)

1997-2001: Researcher of the Universitat de Barcelona

2001-2011: Associated Professor at Universitat de Barcelona

2011- : Full Professor at Universitat de Barcelona

Awards & Scholarships

1989: Extraordinary Award for the Degree in Chemistry

1990-1991: PhD Grant Spanish Ministry

1993-1994: Postdoctoral Grant – Catalan Government. Université de Montréal – Prof. Dennis. R. Salahub

1994: Extraordinary Award for the PhD in Chemistry

2003-2007: Research Award Catalan Government (young researchers)

Research Interests

- Theoretical Studies of Single Molecule Magnets
- Application of Density Functional Theory to study the exchange coupling on Transition Metal Complexes
- Calculation of NMR parameters in Coordination and Organometallic Complexes
- Periodic Density Functional and Hartree-Fock methods