Short Biography

|  |  |
| --- | --- |
| **Period** | **Position/Institution/Country/** |
| 1998 | Ph.D in Chemistry / University of Alcalá |
| 1998-1999 | Postdoct / University of Zaragoza- CSIC-REPSOL / Spain |
| 1999-2003 | ***Humboldt Fellow*** / University of Heidelberg / Germany***Marie Curie* Fellow** / University of Heidelberg / Germany |
| 2003-2004 | Postdoctoral Fellow / Universidad Autónoma of Madrid / Spain |
| 2004-2009 | **Ramón y Cajal** Researcher */****Tenure Track***/ University of Zaragoza/ Spain |
| 2009-2018 | Assoc. Professor University of Zaragoza /Zaragoza (Spain) |
| 2018- | Assoc. Professor University of Alcalá / Alcalá de Henares (Madrid-Spain) |

|  |
| --- |
|  |

**Dr. Yebra** is an Associate Professor of Inorganic Chemistry whose work bridges fundamental reactivity studies and energy-related applications. He earned his PhD at the University of Alcalá, where he pioneered niobocene vinylidene chemistry, then moved to Zaragoza to uncover the vinylidene- and metallocyclopropene-forming reactivity of osmium hydrides toward alkynes.

A subsequent four-year research stint in Germany and a postdoctoral year in Madrid she moved back to the University of Zaragoza as a Ramón y Cajal fellow, She has developed novel osmium catalysts for the cycloisomerization of alquinols and alquinylamines—isolating key intermediates and elucidating their mechanisms.

She has supervised three PhD theses with an additional one currently in progress.

His research has been supported by UAH, Comunidad de Madrid, Repsol, the Humboldt Foundation, Marie Curie, and others. She has participated in over 25 projects (6 as PI) totaling €340 000+.

She is the author of over 30papers. Currently, his group focuses on organometallic solutions for hydrogen production, chemical storage, metalloradicals, and photoactive complexes. In 2023 he reported the first Pd(I) metalloradical chemistry (with four more publications underway), advanced the doping of solar cells with these species, and published on Ir(III)-catalyzed hydrogen evolution, work that underpins a patent application on which he is lead inventor.