

Phenoxy-amidine and bis(phenoxy-amidine) ligands for coordination chemistry and catalysis

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Raluca Malacea obtained her Engineering Diploma in 2000 from the University of Bucharest, where she also completed her Master's degree in Organic Chemistry. She then moved to Toulouse, where she obtained her PhD in Organometallic and Coordination Chemistry in 2006, supported by a Marie Curie fellowship under the supervision of Rinaldo Poli. She subsequently held several postdoctoral positions, first in Florence with Maurizio Peruzzini, followed by a position at the University of Rennes with Professors Pierre Dixneuf and Christian Bruneau, and finally a postdoctoral position in Toulouse with Didier Bourissou and M. Gómez. In 2009, she joined the CNRS as a researcher in Dijon. Since 2024, she has been leading the Catalysis, Polymer, Coordination and Modelling group in Dijon.

She has authored around 60 publications and three book chapters, and has given numerous oral communications and invited lectures. She has also supervised PhD and Master's students.

Her main research interests lie at the interface of organometallic chemistry, homogeneous catalysis and polymer chemistry, with a particular focus on the development of metal-based catalysts and their application to sustainable chemical transformations. Her expertise also includes coordination chemistry, catalytic polymerization and mechanistic studies supported by molecular modelling.

Keywords : *π -Conjugated polyaza ligands, oxophilic metals, ring-opening polymerization, metal catalyzed reactions*