



# Indo-French Seminar on Catalysis for Sustainability

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Corinne Gosmini was born near Paris in France. She obtained her PhD in chemistry at Université Pierre et Marie Curie (Paris, France) under the guidance of Professor Jean F. Normant and Dr Raymond Sauvêtre. In 1993, she was appointed by the CNRS as « Chargée de Recherches » in the laboratory of Professor Jacques Périchon. She is currently CNRS Director of Research at the « Laboratoire de Chimie Moléculaire » and was associate Professor at the Ecole Polytechnique (2012-2023 at Palaiseau – France). From 2013 to 2020, she was the head of the « Laboratoire de Chimie Moléculaire ». During 2020-21, she was in charge of a mission for the CNRS chemistry Institut. Since 2022, she is an expert on several laboratory evaluation committees. Her early interests were devoted toward the development of new electrochemical reactions catalyzed by nickel and mainly cobalt complexes. Since 2003, her main research activities focused on the development of new chemical Co-catalyzed cross-coupling reactions and preparations of organometallic compounds (especially organozinc species) under versatile conditions in order to form C–C and C–heteroatom bonds using this same cobalt catalysis. She was the first to develop electrophilic cross-couplings with a first row metal from C-halides bonds and now she is studying Co-catalyzed cross-coupling reactions from non-activated bonds such as C–O, C–N and C–C bonds. In 2022, she was a distinguished member of the Société Chimique de France. She is the author of more than 100 publications and 11 patents.