



# Indo-French Seminar on Catalysis for Sustainability

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Emmanuelle Schulz graduated from ESCIL in Lyon and received her Ph.D. degree in 1992 for studies concerning the total synthesis of Strigol (Pr. P. Welzel, Ruhr-Universität Bochum/Pr. J. Goré, Université de Lyon). After an industrial postdoc (Rhône-Poulenc Agrochimie), she joined the group of Prof. M. Lemaire in Lyon and obtained a permanent position at the CNRS. Since 2000, she has been working in the Institut de Chimie Moléculaire et des Matériaux d'Orsay (Université Paris-Saclay) and was nominated Directrice de Recherches CNRS in 2005. She was responsible for the Catalyse Moléculaire team between 2009 and 2019. Her research interests are mainly directed towards asymmetric catalysis and homogeneous supported catalysis (Orcid 0000-0002-0844-8825). She particularly explored the enantioselective hydroamination reaction promoted by chiral rare-earth based catalysts. New procedures for the easy recovery and reuse of (chiral) organometallic catalysts are also developed in her group. These methodologies imply the preparation of organic conducting metal-containing polymers by electrochemistry and their use as multipurpose asymmetric catalysts. Non covalent interactions such as those involved in charge transfer complexes are also exploited for the recovery of chiral catalysts. Finally, covalent grafting on organic platforms is also being studied for the immobilization of organometallic complexes that can be used for cross-coupling reactions on an industrial scale. Elected to the board of the Organic Chemistry Division of the French Chemical Society since 2018, she has been its president since July 2021.