



# Indo-French Seminar on Catalysis for Sustainability

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Jagadeesh was born on 2<sup>nd</sup> December 1979 and raised in Karnataka, India. He obtained PhD (2006) in Chemistry from Bangalore University, India under the supervision of Prof. Puttaswamy. After having performed Postdoctoral Research (2006-2008) in the group of Prof. David E. Richardson at the University of Florida, USA and worked few months as Assistant Professor (2009-2010) at VIT University, India he joined Leibniz Institute for Catalysis (LIKAT), Germany in the year 2010, where he currently is a Group Leader for Catalysis for Sustainable Syntheses. In Leibniz Institute for Catalysis, initially he has joined as a Scientist in the Department of Prof. Matthias Beller and then he became Group Leader at LIKAT first for Synergy between Homogeneous and Heterogeneous Catalysis and later for Catalysis for Sustainable Syntheses. He has obtained habilitation from the University of Rostock. He is also a Visiting Professor at VSB-Technical University of Ostrava, Czech Republic as well as Corporate Advisor and Visiting Professor at REVA University, Bangalore India. His research group works on sustainable catalytic processes for the synthesis of essential fine and bulk chemicals, pharmaceuticals and agrochemicals as well as for the valorization of renewable feedstocks (biomass and CO<sub>2</sub>) and circular chemistry for enabling circular economy (valorization of waste-materials, plastics-waste and use them as resources/feedstocks for chemicals upgrading). Important works of his group have been published in notable journals: 3 research papers in *Science*, >10 research papers in *Nature Publishing Journals* and 2 research papers in *Cell-Press Journals*. Interestingly, one work related to the development of iron-based nanocatalysts for an industrially important hydrogenation process has been highlighted and featured on the 'Cover of *Science*'. In addition, key works are highlighted in *Science*, *Nature*, *Chemical & Engineering News (C&EN)* and *Chemistry World*.