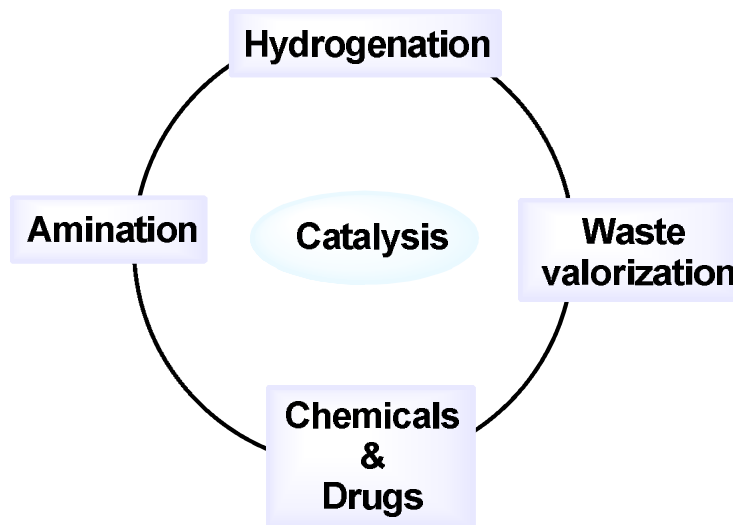


Organic Transformations



It is close to impossible to imagine human life without organic molecules such as drugs, life science reagents, polymers, agrochemicals, energy, materials, and cosmetics. Thus, the production of any target molecule without formation of by-product is very demanding from the viewpoint for saving energy & reducing chemical wastes. At the same time, it is also very important to understand the principles guiding the bond breaking and formation result. To make all these possible, use of catalyst is very important in chemical reactions, which will turn raw materials into useful products. In this sense, our research area will be dedicated to the development and application of new catalytic methods in the area of applied organic chemistry to create organic molecules (with high selectivity, yields and purity) that are highly useful to the industries and society.