Lunedì 29 Gennaio dalle ore 12:30 presso l’Aula G
Dipartimento di Scienze Chimiche, via Francesco Marzolo, 1

Prof. Francesco Fini

Department of Life Sciences,
University of Modena and Reggio Emilia

terrà il seminario:

"Stereoselective Synthesis of Highly Valuable Building Blocks in Medicinal and Organic Chemistry: Old Reactions – New Tools"

The talk will focus on organocatalysis and metal-catalysis studied by FF during his academic career. Classic organic reactions will be seen through the lenses of organocatalysis and metal-catalysis. Novel catalytic processes have been designed for the synthesis of valuable chiral building blocks in medicinal and organic chemistry. To start with, chiral quaternary ammonium salts have been used as phase-transfer catalysts to increase the flexibility of mannich-type reactions, affording nitrogen-containing chiral enantioenriched compounds. In the latter part of the talk the Tsuji-Heck alkoxy carbonylation have been studied by using palladium-diazabutadiene complexes, as catalyst, under oxidative conditions.