

Alberto Marra



Business address: Prof. Dr. Alberto Marra
Dipartimento di Chimica
Università di Ferrara
Via L. Borsari 46
44100 Ferrara
Italy
e-mail: mra@unife.it

CV:
1985 MS degree in Pharmaceutical Sciences from the University of Pisa, Italy; group of Prof. G. Berti
1989 Ph.D. degree from the University "Pierre et Marie Curie" (Paris VI), France; group of Prof. P. Sinaÿ
1990 Associate researcher of the C.N.R.S. at the "Ecole Normale Supérieure", Paris, France
1991 Post-doctoral fellow at the University of Zurich; group of Prof. A. Vasella
1992-1997 Lecturer at the University of Ferrara; group of Prof. A. Dondoni
1998- Associate Professor of Organic Chemistry at the University of Ferrara

As in the early activity, his present research interest centres on carbohydrate chemistry. He synthesized *O*-oligosaccharide fragments of blood group determinants, heparin, dermatan sulfate and developed new glycosyl donors (sialyl xanthate, 2-azido-galactosyl xanthates, glycosyl enol ethers) and glycosylation promoters (one-electron transfer homogenous reagent). He was involved in the total synthesis of natural and unnatural ulosonic acids and then he developed new synthetic methodologies for the preparation of *C*-oligosaccharides and *C*-glycosyl amino acids. Recent work is also dealing with the synthesis and molecular recognition properties of sugar-based crown ethers, glycoside clusters, monomeric and polymeric calixarene derivatives.

He wrote 2 book chapters and published 78 papers in international journals.