



Frieder Lichtenthaler studied chemistry at the University of Heidelberg and received his doctorate there in 1959 with F. Cramer for work on the chemistry of enol phosphates. After three postdoctoral years at the University of California, Berkeley, studying the synthesis of nitrosugars with H. O. L. Fischer, he joined the faculty of the Technical University of Darmstadt, where he acquired his “Habilitation” in 1963, was appointed associate professor in 1968, and full professor in 1972; in 2000 he was retired to Professor Emeritus, having mentored 74 Ph. D. students and 35 postdoctoral fellows. His research activities, documented in over 300 scientific papers, focused on the generation of enantiopure building blocks from sugars, their use in the synthesis of oligosaccharides and complex non-carbohydrate natural products, molecular modelling of chemical and biological properties of sugars, and extensive studies towards the utilization of carbohydrates as organic raw materials. He

received an honorary doctoral degree from the Kossuth University, Debrecen (1993), the SPRI Science Award of the Sugar Research Foundation, New Orleans (1994), was elected Honorary Member of the Hungarian Academy of Sciences, Budapest (2004), and takes pride in becoming a 50 year member of the American Chemical Society in 2009.