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## Curriculum Vitae

**Teruaki Mukaiyama** was born January 5, 1927 in Japan.

### Affiliation

Department of Applied Chemistry, Faculty of Science, Science University of Tokyo, Kagurazaka, Shinjuku-ku, Tokyo 162-8601.

### Education

B. Sc., Tokyo Institute of Technology (1948), PhD at the University of Tokyo (1957), Assistant Professor at the Gakushuin University (1957), Assistant Professor at the Tokyo Institute of Technology (1958), Professor at the Tokyo Institute of Technology (1963), Professor at the University of Tokyo (1973), Emeritus Professor at the University of Tokyo (1987), Professor at the Science University of Tokyo (1987), President of the Research Institute for Science and Technology (SUT) (1990), Emeritus Professor at the Tokyo Institute of Technology (1991), Distinguished Professor at the Science University of Tokyo (1992), Professor at the Center for Basic Research (The Kitasato Institute, 2002), Emeritus Professor at the Science University of Tokyo (2002).

### Major Awards and Honors

The Chemical Society of Japan Award for Young Chemists (1957), Yamaji Science Award (1965), The Chemical Society of Japan Award (1973), The Naito Foundation Research Prize (1975), The Honorary Degree from Technische Universität München, Germany (1976), Toray Science and Technology Prize (1978), The Imperial Prize, Japan (1983), The Academy Prize, Japan (1983), Honorary Professor of Jilin University, China (1985), Copernicus Medal, Poland (1986), The Fujiwara Prize (1987), Person of Cultural Merit, Japan (1992), The Society of Synthetic Organic Chemistry Special Award, Japan (1994), Chevalier de l'Ordre National du Mérite, France (1994), ACS Award for Creative Work in Synthetic Organic Chemistry, USA (1996), Order of Culture, Japan (1997), Tetrahedron Prize, UK (1998).

### Fellowships

The Foreign Member of Polish Academy of Sciences (1988), The Foreign Member of French Academy of Sciences (1989), Member of the Japan Academy (1995), The Foreign Member of the National Academy of Sciences, USA (2003), Honorary Member of Pharmaceutical Society of Japan (1992), Honorary Member of Chemical Society of Japan (1994), Honorary Member of Chemical Society of Italy (2001).

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# SYNTHESIS

Editorial



Teruaki Mukaiyama

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## Dear Authors and Readers,

The number seven is considered lucky in many parts of the world. Manifestations of its significance are plentiful: for example, the seven days of the week, wonders of the ancient world, virtues, and Kurosawa's Samurai, to name a few. In Japan, reaching the age of 77 also has special meaning. It is with great pleasure that SYNTHESIS celebrates(祝)Professor T. Mukaiyama's 77<sup>th</sup> (喜寿, Ki-ju) birthday with a dedicatory Special Issue that brings together a wide range of researchers from the Americas, Asia, and Europe. Professor Mukaiyama's contributions to the science of synthesis are countless in scope and breadth and high-impact in depth. Indeed, he has contributed to a wide range of chemical transformations including condensations, reductions, oxidations, C-C bond formation, and functional group interconversions; additionally his scientific reach spans the entire expanse of the periodic table: from alkali/alkaline earth through the early/late transition-metals along with the lanthanides and main group elements. Thus, the consequences of his life-long efforts in chemistry permeate all aspects of chemical synthesis. The science of synthesis and its practitioners are certainly lucky to have Professor Mukaiyama as a beacon for the field. As an international journal devoted to the advancement of synthetic chemistry in its broadest sense, SYNTHESIS is proud to be able to produce this Special Issue and continue in the tradition of excellence.

Zürich, June 2004

Erick M. Carreira

Special Issue Editor