

Prof. Dr. Takumi Konno Biography



Name: Prof. Dr. Takumi Konno

Organization: Osaka University

Profile Weblink: <http://www.chem.sci.osaka-u.ac.jp/lab/konno/>

Takumi Konno received his B.Sc. and PhD degrees from University of Tsukuba (Japan) in 1980 and 1985, respectively. After working at University of Tsukuba and University of Cincinnati (USA) as a postdoc, he became a research assistant at University of Tsukuba in 1987 and was promoted to a lecturer in 1994. In 1997, he moved to Gunma University as an associate professor and was promoted to a full professor in 1998. He was appointed as a professor at Osaka University in 2000.

Throughout his research carriers, he has devoted the extensive efforts for the elucidation of coordination behavior of sulfur-containing ligands toward various transition metal ions and their reactivity after coordination to a metal center. His current research interest is directed toward the rational, stepwise creation of heterometallic polynuclear and supramolecular complexes that show unique chiral structures and properties by utilizing simple organic ligands. For this purpose, he has investigated a variety of metal complexes with octahedral, square-planar, or linear geometry have been synthesized from thiol-containing amino acids, and their functionality as chiral multidentate metalloligands. The research results have been published as 250 papers in international journals.

He is now serving as a section editor of Chemistry Letters (Chemical Society of Japan) and also he is a research director of CREST (Creative Research for Evolutional Science and Technology) project in JST (Japan Science and Technology), entitled 'Exploitation of Coordination Molecular Technology That Leads to the Creation of New Conceptual Ionic Solids with New Functionalities'. He was a winner of "CSJ (Chemical Society of Japan) Award" for Creative Work in 2017.

Awards and Scholarships:

March 2017

"CSJ Award" for Creative Work

Chemical Society of Japan

January 2015

BCSJ Award Article

Chemical Society of Japan

August 2013

BCSJ Award Article

Chemical Society of Japan