

***Design of All-Purpose Chiral Anion Generator:  
From Ionic Liquid Chemistry to Organocatalysis***

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**Professional Career**



2004 – present: Professor, Department of Chemistry, Sungkyunkwan University  
2006 – present: Director, Institute of Basic Sciences in Sungkyunkwan University  
2006 – present: Director, Research Institute of Advanced Nanomaterials  
2011 – present: Editorial Board Member, ChemistryOpen (Wiley-VCH)  
2005-2006: Vice-President, Korean Chemical Society  
2001-2004: Head of National Research Laboratory for Clean Chirotechnology  
1989-2004: Principal Research Scientist, Korea Institute of Science and Technology (KIST)  
Ph. D. 1986.1 Dr. rer. nat, Chemistry, RWTH Aachen, Germany (under the supervision of Prof. Wolfgang Kläui)  
M.S. 1980.3 Diplom, Chemistry, RWTH Aachen, Germany  
B. S. 1980.2 Chemistry, Chungang University

**Awards**

2002 The scientist of the month award, Ministry of science and technology in Korea  
1982 – 1988 Scholarship from Konrad-Adenauer foundation

**Research Fields**

Asymmetric Catalysis, Asymmetric Organocatalysis, Heterogeneous Catalysis,  
Ionic Liquid Chemistry, Nanochemistry