

Prof. Sang-Eon Park



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Education

1975 B.S. Applied Chem., College of Eng., SNU

1977 M.S. Chemistry, KAIST

1981 Ph.D. Chemistry, KAIST

Experience

1984-1986 Post-Doc; Texas A&M Univ., USA 1975-1984

Research Scientist, Chon Eng. Co.

1987-2003 Chem. Tech. Division, KRICT

2003-Present Prof. in Chemistry, Inha Univ.

2004-Present Director of Nano Center, Inha Univ.

2005-2014 IFP(Inha Fellowship Professor)

2012-2014 HaeCheon Prof. in Dalian Tech. Univ.

2009-2014 Outside Director of S-Oil

2017~ FRSC (Fellow of Royal Society of Chemistry)

Awards :

2001 KCS Technical Achievement Award

2003 KCS Scientific Achievement Award

2001 ACS Best Paper Award

2002 ACS Best Presentation Award

2005 Angewante Chemie VIP Paper (Willey)

2006 KSIEC Award (KSIEC)

2007 Best Scientist Award of IncheonCity

2008 YeoSanCatalysis Award (KICHe)

2017 FRSC (Fellow of Royal Society of Chemistry)

Publication :

400 Scientific papers

75 Patents ;

Commercialization : 6

1) H₂-PSA, 2) Alkylation, 3) Zeolite MW Synthesis,
4) H₂O₂ Process, 5) VOCs Catalyst 6) Reformer

Books : Edited 4 (Nanomaterials in Korean;
Stud. in Surf. Sci.: Vol. 102, 146, & 153.

Book Chapters : 12

Research Areas :

CO₂ and CH₄ Chemistry

Green Oxidation CO₂ as promoter

Activation of CO₂ as Soft Oxidant

Green Chemistry via Nanocatalysis

**Morphosynthesis of Nanoporous Mat'ls by
Microwave**

Nano-assembly of zeolitic materials

Para-xylene maximizing

Solid-state Supramolecular Synthesis

**Energy and Environmental Alleviation by
Nanocatalyst**

Acid-Base Catalysis

Activities

• **Journal of CO₂ Utilization (Elsevier, Oxford)** ; Editor-in-Chief

• **Journal of Advanced Porous materials ; International Advisory Board Member**

• **Green Chemistry Journal (RSC); International Advisory Board Member**

• **International Advisory Board and Scientific Committee Members : ICCDU, ZMPC18, IMMS**

• **Bulletin of the Catalysis Society of India, Editorial Board Members**

Korean Representative of AON Green Chemistry

Euro-Asia Journal of Applied Science (Editorial Board)

ACS, Petroleum Division (Executive Committee Member)

Associative Editor : Bull. Korean. Chem. Soc.

Research on Chemical Intermediates (Editorial Board)

Inorganic Chemistry Division Head : KCS

Catalysis Division Chairman : KICHe

Scientific Committee Member of 14th ICC

7th International Conference on Carbon dioxide Utilization (2003, Secretary)

2nd IMMS Co-Chairman

Inter. Advisory member of the 1st International Conference on Green & Sustainable Chemistry

11th IZC Pre-school Co-Chairman

Invited lectures

(Plenary lectures)

• IMMS- Challenges and Strategies in Catalysis by Organic-Inorganic Hybrid Mesoporous Materials (2013)

• ICCDU-2013- O₂ Activation for the Use as Oxidant (2013)

• ICCDU-2009 - Activation of Carbon Dioxide as a Soft Oxidant for the Oxidative Conversions of Hydrocarbons

• JKSC14 -Catalytic activation of CO₂ as soft oxidant and promoter (2013)

(Key-note Lectures)

• 8th World Congress on Oxidation Catalysis 2017

• ACS 2008, 2012, 2013

• ICCDU 2015; ICCDU 2016; ICCDU 2017 : Role of CO₂ in the oxidative conversions