

Prof. Sang-Eon Park



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Education

1975 B.S. Applied Chem., College of Eng., SNU
1977 M.S. Chemistry, KAIST
1981 PhD. 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-Present : IFP(Inha Fellowship Professor)
2012-2014 HaeCheon Prof. in Dalian Tech. Univ.
2009-2014 Outside Director of S-Oil
2017~ Fellow of the Royal Society of Chemistry, FRSC

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)

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)

- CSIRO : Catalysis Energy Storage in Chemicals (2017)
- IMMS- Challenges and Strategies in Catalysis by Organic-Inorganic Hybrid Meso. 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 : ICCDU2015-Role of CO₂ in the oxidative conversions
- PMRD 2017 : EPRI Value Added Petrochemicals with CO₂