


Personal Information				
Given Name	Ji Whan	Surname	Ahn	
Organization	The Center for Carbon Mineralization Korea Institute of Geoscience and Mineral Resources (KIGAM)			
Position	Head	Nationality	South Korea	
Field of Expertise	Accelerated Carbonation Processing, CO <sub>2</sub> Solidification, Carbon Capture Utilization and Storage (CCUS), Carbon Capture and Sequestration, Powder Technology, Ceramics, Nano Materials, Waste Management System, Environmental Remediation Technologies, Green Chemistry, Mineral Resources, Recovery and Recycling, Mineral Carbonation, CO <sub>2</sub> -Water Convergence, Sustainable Development.			
Title of Presentation	Climate change mitigation and sustainability: Global trend of critical elements recovery from waste sources			
Education				
<ul style="list-style-type: none"> <li>• B.S. and M.S Inha University(IU) ( Mining &amp; Minerals Engineering)</li> <li>• M.A. Yonsei University (YU) (Resource Environmental Economics)</li> <li>• Ph.D. Inha University(IU) (Mining &amp; Minerals Engineering)</li> </ul>				
Professional Experience				
<ul style="list-style-type: none"> <li>• Principal Researcher, Korea Institute of Geoscience and Mineral Resources (KIGAM)</li> <li>• President, Korea Institute of Limestone &amp; Advanced Materials(KILAM)</li> <li>• Adjunct Professor, Department of Resource Recycling, UST</li> <li>• Adjunct Professor, Department of Energy Resources Engineering, Inha University</li> <li>• Director, Resources, Environment and Materials R&amp;D Center, KIGAM, Ministry of Trade, Industry &amp; Energy (MOTIE)</li> <li>• Director, The Korea Society of Energy Engineering</li> <li>• Technical Advisory Committee Member, Ministry of Environment</li> <li>• Chairperson, UN Youth Environmental Meeting 'Better life for girls' Select Committee</li> <li>• Chairperson, Daejeon City Green Growth Forum Subcommittee</li> <li>• Director, Korean Ceramic Society</li> <li>• Director, Korean Institute of Resources Recycling</li> <li>• Director, Korean Society for Mineral and Energy Resources Engineers</li> <li>• Director, The Resources Recycling Science Educational Society of Korea</li> <li>• Chairperson, Korean Institute of Chemical Engineering, Powder Technology Engineering Department</li> <li>• Chairperson, Japan/Korea International Symposium on Resources Recycling and Materials Science</li> <li>• Representative, ISO TC 102 (Iron ore)/SCI, SC2, SC3 Korean Representative, KIGAM, Ministry of Trade, Industry &amp; Energy (MOTIE) Specifications, Deliberation Committee</li> <li>• Representative, ISO TC 27 (Coal)/SCI, SC5 Korean Representative</li> <li>• Representative, ISO TC 82 (Mine Reclamation Management) Korean Representative</li> <li>• Representative, ISO TC 129 (Aluminum Ore) Korean Representative</li> <li>• Committee Member, Daejeon City, Construction Technical Committee</li> <li>• Professor, Chemical Engineering Department, Kwangwoon University</li> <li>• Technical Advisory Committee Member, Ministry of Environment</li> <li>• Advisory Committee Member, SUDOKWON Landfill Site Management Corporation</li> <li>• Member of Advisory Committee, Incineration and Waste Treatment Team, Ministry of Environment</li> </ul>				

- Expert Advisor, Ministry of Commerce, Industry and Energy
- Expert Advisory Committee Member, Ministry of Science and Technology

#### Editorial Membership

- Editorial Board Member, Geosystem Engineering, Taylor and Francis
- International Editorial Board Member, Resource Processing Society Japan
- Editorial Board Member, Korean Ceramic Society
- Editorial Board Member, Korean Institute of Resources Recycling

#### Honors and Awards

- Global Climate Technology Cooperation Merit- Presidential Citation Award, NST, MSIP, Korea
- Letter of Appreciation - The 6th Asian Particle Technology Symposium
- National Science Merit – Presidential Citation Award, Korea
- Global Player Award(Geoscience, Mineral and Mining Resources in KIGAM)
- Lifetime of Honour - BCC, England
- Worldwide Laureate Award - BCC, England
- International Einstein Award - BCC, England
- Tesla Award - BCC, England
- Scientists of the Month (Awarded by Korea Science and Engineering Foundation)
- Women Scientists of the Year (Awarded by Korea Science and Engineering Foundation)
- The Excellent Researcher Award- Korean Society for Geosystem Engineering
- The Top 100 Excellent Research Award 2010, Ministry of Education, Science and Technology
- The Sokdojeon Excellent Research Award, ISTK(Korea Research Council for Industrial Science & Technology), Ministry of Knowledge Economy
- The Excellent Researcher Award, Ministry of Knowledge Economy
- The 1st Women Ceramist Award, Korean Ceramic Society
- The Excellent Paper Award, The Society of Materials Engineering for Resources of Japan
- The Academic Award, Korean Society for Geosystem Engineering
- The 2006 Women Scientist Award, Ministry of Science and Technology
- The Excellent Researcher Award, Korea Institute of Geoscience & Mineral Resources
- The Excellent Researcher Award, Korea Institute of Geoscience & Mineral Resources
- The Excellent Scientist Award, Ministry of Science and Technology
- The Best Engineer Award, Inha University
- The Technical Award, Korean Society for Geosystem Engineering
- The International Academic Award, Korean Institute of Resources Recycling
- The Academic Award, Korean Institute of Resources Recycling
- The Academic Award, Korea Institute of Geoscience & Mineral Resources

#### Research Accomplishments Summary (up to present)

- Total 174 journal publications (including SCI)
- Total 716 proceeding papers / Conference presentations
- Total 76 patent registrations (56 patent applications including PCT)
- Total 97 appearances on TV broadcast/Newspaper and Magazine articles