Choog-Wan LIM

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Educational Background

April 2009 –April 2011	• Research Scientist: Geoscience Department, Iowa University, USA.
October 2008 – March 2009	• Postdoctoral researcher: Graduate School of Environmental Science, Hokkaido University. Japan.
April 2005- September 2008	• Ph.D student: Graduate School of Environmental Science, Hokkaido University. Japan.
September 2004- March 2005	• Research student: Graduate School of Environmental Science, Hokkaido University, Japan.
March 2002- March 2004	• Ph.D student: Course work completed. Seoul National University, Korea.
Jun 2001- September 2001	• Research student: Department of Geological Science in Indiana University, USA
March 2000- February 2002	• M.S degree: School of Earth and Environmental Sciences, Seoul National University, Korea.
March 1991- February 1998	• B.S degree: Mining and Mineral Resources Engineering, Chonbuk National University, Korea.

Research skills and Experiences:

Volcanic geology, geochemistry, Tephrochronology, Marine geology, Quaternary chronology, Age modelling, Late Quaternary paleoclimatology

Isotope analyst: Stable (sulfur, oxygen, hydrogen) isotopes

Analytical skills: INAA, ICP-MS, ICP-AES, EPMA, XRF, XRD

Analysis experience of sediment cores in the marine cores, lake mires, and terrestrial sequences

Field work Experience

Mar. 2007- May. 2007 • Field Geologist, Participated in Deep drilling core samples from Lake Biwa, Japan

Nov. 2006- Dec. 2006 • Field Geologist, Participated in drilling core samples and geological fieldwork on the Lake Megata, Akita, Japan

Aug. 2006 • Field Geologist, sampling and geological fieldwork on the Baegdusan-Tomakomai tephra, Hokkaido, Japan.

May 2005 • Field Geologist, The geological field-work and sampling on the Holocene eruption of Mt. Aso in Japan.

May 2001 • Research Assistant Student, Fieldwork as a geologist student geological structure on Beijing area, China.

Jun. - Aug. 2000 • Field Geologist, Participated in A stone star chart found from a Dolmen at Ahdeugi in Cheongwaon, Korea

Feb- Oct, 1999 • Geo-engineer, Worked for the Survey and Development of groundwater in Chunbuk area, Korea.

July- Oct. 1996 • Research Assistant Student, Participated in sampling and fieldwork of the abandoned Dongjin Au-Ag-Cu Mine drainage, Korea.

July-Aug. 1995 • Field Geologist, Participated in Geological Fieldwork based on sedimentary structures of Chaeseokgang Area, Buan-gun, Jeonbuk, Korea

Honors and Scholarship

Sep. 2011- Aug. 2014 • National Research Foundation of Korea

April 2009 - March, 2011 • Mathematical & Physical Sciences Funding, University of Iowa

April, 2007- March, 2008 • 2007-08 Rotary Foundation Scholarship in Japan.

April, 2005- March, 2007 • COE Foundation (Center of Excellence in Japan)

April, 2006- March, 2007 • Excellent foreign student support scholarship in Japan

March, 2000- March, 2004 • BK21 Foundation (Brain Korea 21 in Korea)

March, 2000- February, 2002 • Korean Unity (Unification) Foundation in Korea.

List of publications

Journals

1. *Lim, C., Toyoda, K., and Ikehara, K. Construction of an alkaline tephrostratigraphical framework of the late Quaternary around Japan by major and trace elemental method from marine sediment cores (in review Quaternary Science Reviews; JQSR-D-10-00232, *교신저자)

2. *Lim, C., Toyoda, K., and Ikehara, K. Identification of multiple cryptotephra layers from Ulleung Island and Baegdusan volcanoes detected by INAA at deep-sea cores in the Japan/East Sea (in press Quaternary International , *교신저자)

3. Lim, C., Ikehara, K and Toyoda, K. (2008) Cryptotephra detection using high-resolution trace-element analysis of Holocene marine sediments, southwest Japan. *Geochimica et Cosmochimica Acta*. 72, 5022-5036.

4. Lim, C., Toyoda, K and Ikehara, K. (2008) Alkaline cryptotephra detection by high-resolution trace-element profiles of hemipelagic sediments. *Internationalization on the Utilization of Neutron Activation Analysis*, , 2008. 138: 79-85.

5. Umetsu, A., Lim, C., Machida, H., and Toyoda, K. (2008) Neutron activation analysis of volcanic glasses in alkaline tephra layers at Baitoushan volcano and Ulreung island, Korea. *Internationalization on the Utilization of Neutron Activation Analysis, Research Reactor Institute*, Kyoto University, 2008. 138: 86-101.

6. Lim, C., Umetsu, A., Machida, H., and Toyoda, K. (2007) Chemical composition of volcanic glasses in alkaline tephra layers at Baitoushan volcano and Ulreung island, Korea, *Japan Association of Activation Analysis*. 37: 66-72

7. Shinozuka, Y., Lim, C. Machida, H. and Toyoda, K. (2006) Geochemical detection of alkaline cryptotephra during the Last Termination In Japanese Lake sediments, *Japan Association of Activation Analysis*. 35: 23-29

Submitted papers

1.Lim, C., Lee, I., Lee, S., and Kaufman, A., Sulfur isotope and chemical compositions of the wet precipitation in two major urban areas, Seoul and Busan, Korea (submitted by Atmospheric Environment)

2. Kim, H., Lim, C. and Lee, I., Late Quaternary tephra layers in marine sediment cores originated from Ulleung and Baegdusan volcanoes in the East Sea (submitted by Geosciences Journal)