

KEONHO KIM

Midland College, Dept. of Geology, 3600 N. Garfield, Midland, TX 79705
Office (432) 685-4739 • kkim@midland.edu

EDUCATION

- **Master of Science in Biology** (2005) – State University of New York, Buffalo
- **Doctor of Philosophy in Geology** (2001) – State University of New York, Buffalo
- **Master of Science in Geology** (1991) – Seoul National University, South Korea
- **Bachelor of Science in Geology** (1987) – Seoul National University, South Korea

PUBLICATIONS

- Choi, D. K. and **Kim, K. H.**, 1989. Problematic fossils from the Dumugol Formation (Lower Ordovician) of Dongjeom area, Korea. *Journal of the Geological Society of Korea*, v.25, p.405–412.
- **Kim, K. H.**, Choi, D. K., and Lee, C. Z., 1991. Trilobite biostratigraphy of the Dumugol Formation (Lower Ordovician) of Dongjeom area, Korea. *Journal of the Paleontological Society of Korea*, v.7, p.106–115.
- Haney, R. A., Mitchell, C. E., and **Kim, K.**, 2001. Geometric morphometric analysis of patterns of shape change in the Ordovician brachiopod *Sowerbyella*. *Palaios*, v.16, p.113–123.
- **Kim, K.**, Sheets, H. D., Haney, R. A., and Mitchell, C. E., 2002. Morphometric analysis of ontogeny and allometry of the Middle Ordovician trilobite *Triarthrus becki*. *Paleobiology*, v.28, p.364–377.
- Sheets, H. D., **Kim, K.**, and Mitchell, C. E., 2004. A combined landmark and outline-based approach to ontogenetic shape change in the Ordovician trilobite *Triarthrus becki*. In Elewa, A.M.T. (ed.) *Morphometrics – Applications in Biology and Paleontology*, Springer-Verlag, Heidelberg, Germany, Pp.67–82.
- **Kim, K.**, Kotov, A. A, and Taylor, D. J., 2006. Hormonal induction of undescribed males resolves cryptic species of cladocerans. *Proc. R. Soc. Lond., B*. v. 273, p.141–147.
- **Kim, K.**, Mitchell, C. E., and Sheets, H. D., 2009. Geographic and stratigraphic change in the morphology of *Triarthrus becki* (Green) (Trilobita): A test of the *Plus ça change* model of evolution. *Lethaia*, v.42, p.108–125.

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ABSTRACTS FOR MEETINGS AND PRESENTATIONS

- **Kim, K.** and Mitchell, C. E., 1998. Morphometric analysis of growth of *Triarthrus becki* by using a landmark method, the Resistant-Fit Theta-Rho Analysis (RFTRA). GSA Annual Meeting Abstracts with Programs, A-30.
- **Kim, K.** and Mitchell, C. E., 1999. Morphological stasis of *Triarthrus becki* in the Middle Ordovician of New York State and Quebec by using Procrustes Analysis. NEGSA Abstracts with Programs, 31(2): A-27.
- **Kim, K.** and Mitchell, C. E., 1999. Morphometric analysis of *Triarthrus becki* in the Middle Ordovician of New York, Quebec, and Pennsylvania: testing the Plus ça change model. Evolution '99: Annual meeting of the Society for the Study of Evolution.
- **Kim, K.**, Mitchell, C. E., and Sheets, H. D., 2001. Morphological stabilization in the deepwater trilobite, *Triarthrus becki* (Green): A test of the Plus ça Change Model. GSA Annual Meeting Abstracts with Programs, A-379.
- Sheets, H. D., **Kim, K.**, and Mitchell, C. E., 2001. A multivariate approach to random walks in the fossil record. GSA Annual Meeting Abstracts with Programs, A-14.
- Sheets, H. D., **Kim, K.**, and Mitchell, C. E., 2002. A combined landmark and outline based approach to ontogenetic shape change in the Ordovician trilobite *Triarthrus becki*. GSA Annual Meeting Abstracts with Programs. 160-4.
- **Kim, K.** 2002. Morphometric shape analysis of the ontogeny and evolution of the Middle Ordovician trilobite *Triarthrus becki*. (invited seminar)
- **Kim, K.**, Kotov, A. A, and Taylor, D. J., 2004. Pharmacological induction of males unknown to science and their diagnostic morphologies in cryptic species of cyclic parthenogens. PEET.
- **Kim, K.**, Kotov, A. A, and Taylor, D. J., 2006. Hormonal induction of undescribed males resolves cryptic species of cladocerans. The 1st Annual Research Symposium of the Biological Sciences.

SUPPORTING GRANTS AND AWARDS

- Charles Schuchert and Carl O. Dunbar Grants-in-Aid award from Yale University's Peabody Museum of Natural History (1999)
- Paleontological Society Grant-in-Aid for Paleontological Research (1999)
- Student Grant from the Paleobiological Fund (1999)
- Grants for Interdisciplinary Graduate Research In Evolutionary Biology and Ecology from State University of New York at Buffalo (1999)
- Grants for Interdisciplinary Graduate Research In Evolutionary Biology and Ecology from State University of New York at Buffalo (1998)
- Geological Survey's Graduate Field Research Internship Award from New York State Museum (1997)

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PROFESSIONAL EXPERIENCE

Midland College, Midland, Texas

Associate Professor

1/2013–present

Taught the courses of following

- GEOL 1403 (Physical Geology)
- GEOL 1404 (Historical Geology)
- GEOL 1405 (Environmental Geology)

Alice Lloyd College, Pippa Passes, Kentucky

Associate Professor

8/2007–5/2012

Taught the courses of following

- ESCI 101 (Atmospheric and Oceanic Science)
- GEOL 115 (Physical Geology)
- PHSC 105 (Survey of Physical Sciences)
- GEOL 116 (Historical Geology)
- GEOL 110 (Environmental Geology)
- INST 390 (Independent Study: Molecular Phylogenetic Analysis I & II)
- INST 390 (Independent Study: Hydrology I & II)

Invited Lectures

- “Education System in Korea” in Education Department, Dec. 5, 2007
- “Past and Present of South Korea” in History Department, April 28, 2008

Committee members of

- Cultural Diversity Committee
- Assessment Committee
- Identity Theft Prevention Committee

State University of New York, Buffalo

Teaching Assistant

8/2002–8/2006

Assisted the courses of following

- BIO 200 (Evolutionary Biology)
- BIO 201 (Cell Biology)
- BIO 400/500 (Bioinformatics/Genome Analysis)

University of Dayton, Ohio

Project Consultant for morphometric analyses of fossil graptolites

2/2002–2/2002

State University of New York, Buffalo

Teaching & Research Assistant

9/1996–8/2000

Assisted the courses of following

- GLY101 (Global Environmental Science Laboratory)
- GLY216 (Soft Rock II: Stratigraphy and Paleontology)
- GLY303 (Great Discoveries in Science: Dinosaurs and Asteroids)
- GLY400/500 (Comparative Paleobiology)
- GLY458/538 (Introduction to Evolutionary Theory)

SKILLS

Language : bilingual (Korean and English), can read and understand Chinese

Computer :

- Platforms : UNIX (Solaris), Windows 9x/NT/2000/XP, Mac OS
- Languages : UNIX, HTML, Perl
- Tools : GIS (ArcView & ArcInfo), Microsoft Office suite (Word, Excel, Access and PowerPoint), SPSS, Matlab, & Image-Processing programs Adobe, Corel Draw.

Biotech : DNA extracting; PCR; Gene Expression Analyses; Perl, PAUP, ClustalX, Se-AI, and MrBayes for Bioinformatics; Good at handling Leica confocal and binocular microscopes and image processing softwares, especially Montage and Adobephotoshop.