

HARIM CHA

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PERSONAL

Nationality: Korean
Date of Birth: 25.09.1976

EDUCATION

2001 - Ph.D student

Department of Ecology and Evolutionary Biology
Division of Biological Sciences
The University of Kansas

- Research Project: Systematics of the order Corallimorpharia (Cnidaria: Anthozoa)

2001 M.S. in Animal Systematics

Department of Biological Sciences
Ewha Womans University, Seoul, Korea

- Thesis: A study on the classification and the distribution of the Korean actinarians

1999 B.S. in Biology

Department of Biological Sciences
Ewha Womans University, Seoul, Korea

PROFESSIONAL EMPLOYMENT

Teaching Assistant Department of Biological Sciences, Ewha Womans University

- Spring 1999 Introduction to Biology
- Fall 1999 – Spring 2000 Comparative anatomy

Research Assistant Ministry of Environment, Republic of Korea

- Spring 1999 – Fall 2000
The survey of Nation's natural environment under Dr. Jun-Im Song

Department of Biological Sciences, Ewha Womans University

- Spring 2000 – Fall 2000
National Research Program for Women's University grant to Dr. Jun-Im Song

Department of Ecology and Evolutionary Biology, KU
The University of Kansas Natural History Museum, Division of Invertebrate Zoology

- Summer 2005
Partnerships for Enhancing Expertise in Taxonomy (PEET) grant to Dr. Daphne Fautin (NSF DEB-9978106)

Curatorial Assistant Department of Ecology and Evolutionary Biology, KU
The University of Kansas Natural History Museum, Division of Invertebrate Zoology

- Summer 2001 - Summer 2002
Partnerships for Enhancing Expertise in Taxonomy (PEET) grant to Dr. Daphne Fautin (NSF DEB-9978106)
- Summer 2003 – Fall 2004
Partnerships for Enhancing Expertise in Taxonomy (PEET) grant to Dr. Daphne Fautin (NSF DEB-9978106)

The University of Kansas Natural History Museum, Division of Invertebrate Zoology

- Fall 2002 – Spring 2003

The University of Kansas Natural History Museum, Division of Invertebrate Zoology and Division of Entomology

- Spring 2005

PUBLICATIONS

- Rodriguez-Lanetty, M., H. R. Cha, and J. I. Song. 2000. Genetic diversity of symbiotic dinoflagellates associated with anthozoans from Korean waters. *Proc. 9th Int. Coral Reef Symp.* Vol. 1: 163-166.
- Cha H. R. and J. I. Song, 2001. Taxonomy of two subtribes, Mesomyaria and Acontiaria (Anthozoa, Actiniaria) in Korea. *Korean Journal of Systematic Zoology.* 17: 91-113.
- Song, J. I. And H. R. Cha, 2002. Taxonomy of Actiniidae (Anthozoa, Actiniaria, Theniaria, Endomyaria) from Korea. *Korean Journal of Systematic Zoology.* 18: 253-270.
- Daly M., Ardelean A., Cha H-R., Campbell C. A., and Fautin D. G. 2004. A new species, *Adamsia obvolva* (Cnidaria: Anthozoa: Actiniaria), from the Gulf of Mexico, and a discussion of the taxonomy of carcinoecium-forming sea anemones. *Bulletin of Marine Science.* 74(2): 385-399.
- Ha-Rim Cha, Robert W. Buddemeier, Daphne G. Fautin and Peder Sandhei. 2004. Distribution of sea anemones (Cnidaria, Actiniaria) in Korea analyzed by environmental clustering. *Hydrobiologia.* 530-531: 497-502.

FIELD EXPERIENCE

- Participated in field collections of marine invertebrates from intertidal and subtidal environments in Korea: Fall 1998 - Spring 2000
- Participated in field collections of freshwater invertebrates of Korea: Spring 2000

- Assistant in field collection in Okinawa, Japan: Fall 2000
- Participated in field collection in California, USA: Spring 2002
- Participated in field collection in Oman: May 2004
- Participated in field collection in Panama and the Virgin Islands: August 2004

SCIENTIFIC RESEARCH GRANTS & PROPOSALS

The Diversity of Korean Sea Anemones (Cnidaria, Actiniaria): Travel grants to participate at the SICB meeting in 2002.

- Fall 2001. Panorama Society Small Grant Program, The University of Kansas Natural History Museum and Biodiversity Research Center. Amount requested: \$150
- Fall 2001, Department Travel Grant, The Department of Ecology and Evolutionary Biology, The University of Kansas. Amount requested: \$70
- January 2002. Student Support Program, The Society of Integrative and Comparative Biology. Amount requested: \$400

Using histology to understand the phylogenetic relationship of cnidarian orders Corallimorpharia, Scleractinia, and Actiniaria: Travel grants to participate in the Coral Slide Reading Workshop in 2003.

- Spring 2003. Panorama Society Small Grant Program, The University of Kansas Natural History Museum and Biodiversity Research Center. Amount requested: \$520
- Spring 2003. Graduate Travel Fund, Graduate School of the University of Kansas. Amount requested: \$170

The Corallimorpharian Fauna of the Gulf of Oman: Travel grant to participate in the field trip to Oman in 2004.

- Dec. 2003. Panorama Society Small Grant Program, The University of Kansas Natural History Museum and Biodiversity Research Center. Amount requested: \$800

AWARD

- 2004 Outstanding International Woman Student. Annual Woman's Recognition Program, The University of Kansas. April 22, 2004. Lawrence, KS
- First Place Award – Advance Graduate Level. The University of Kansas Chapter of Sigma Xi Paper Competition. March 8, 2005. Lawrence, KS

ORAL PRESENTATION

- Rodriguez-Lanetty M, H. R. Cha and J. I. Song. Genetic diversity of symbiotic dinoflagellates associated with anthozoans from Korean waters. 9th International Coral Reef Symposium, October 2001. Bali, Indonesia
- Ha-Rim Cha. A study of the present knowledge and missing information of the order Corallimorpharia (Cnidaria: Zoantharia). The University of Kansas Chapter of Sigma Xi Research Paper Competition. 2002. Lawrence, KS.

- Ha-Rim Cha. Sea anemones and their allies. The Natural History Museum of the University of Kansas. December 2002. Lawrence, KS
- Ha-Rim Cha. A study of the present knowledge and missing information of the order Corallimorpharia (Cnidaria: Zoantharia). The University of Kansas Chapter of Sigma Xi Research Paper Competition. June 2002. Lawrence, KS.
- Ha-Rim Cha. Preliminary insights of phylogenetic relationship of the order Corallimorpharia (Cnidaria: Zoantharia) based on morphological characters. The 7th International Conference on Coelenterate Biology, July 2003. Lawrence, KS.
- Ha-Rim Cha. Understanding Coral Histology. The Natural History Museum and the Biodiversity Research Center of the University of Kansas. April 2004. Lawrence, KS
- Ha-Rim Cha. How to hide in the Ocean. Cordley Elementary School. November 2004. Lawrence, KS
- Ha-Rim Cha. Phylogenetic analysis of the order Corallimorpharia (Cnidaria: Hexacorallia) based on morphological characters. The University of Kansas Chapter of Sigma Xi Research Paper Competition. March 2005. Lawrence, KS.

POSTER PRESENTATION

- Cha, H. R., D. G. Fautin and J. I. Song. The diversity of Korean sea anemones (Cnidaria: Actiniaria). Society of Integrated and Comparative Biology, Jan. 2002, Los Angeles, CA
- Cha, H. R. The Diversity of Korean Sea Anemones (Cnidaria: Actiniaria). Annual meeting of the program Partnerships to Enhance Expertise in Taxonomy (PEET). May, 2002. UC Berkeley, CA.
- Cha, H. R. The Diversity of Korean Sea Anemones (Cnidaria: Actiniaria). New Graduate Student Orientation, the Department of Ecology and Evolutionary Biology, the University of Kansas. August, 2002. Lawrence, KS.
- Ha-Rim Cha, Robert W. Buddemeier, D. G. Fautin and Peder Sandhei. Environmental clustering and distribution patterns of sea anemones in Korea. The 7th International Conference on Coelenterate Biology, July 2003. Lawrence, KS.
- Ha-Rim Cha. Sea anemones and Corallimorpharians in Oman, with the discussion of the generic circumscription of genus *Rhodactis*. Annual meeting of the program Partnerships to Enhance Expertise in Taxonomy (PEET). Sep. 2004. University of Illinois, Urbana, IL.

SKILLS

Computing

Phylogenetic Analysis Software

BioEdit, Clustal W, Clustal X, MEGA, NONA, MacClade, PAUP, Treeview, WinClada,

Bioinformatics Software

SynGraph -- relational database application that that allows linkage of any published name to any other using a lexicon of modifiers that are

conventional in taxonomy, anchoring each use to its bibliographic reference (created by Dr. Adorian Ardelean)

Collection Management Software

Specify -- Microsoft Windows database application for the entry, management and retrieval of data associated with biological collections

Statistics Software

MiniTab

Other Software

Microsoft Office, Adobe Photoshop, Adobe Illustrator, Macromedia FreeHand

Other Skills Scientific Illustration

Languages Korean, English

PROFESSIONAL ACTIVITY

- Graduate Student Member of Society for Integrative and Comparative Biology (SICB)
- Graduate Student Member of Sigma Xi, The Scientific Research Society

PUBLIC SERVICE

Ewha Womans University Natural History Museum

- Spring 1997 – Fall 1998
Volunteer docent and assistant of education program
- Summer 1998
Teacher of education program for children

Department of Ecology and Evolutionary Biology, the University of Kansas

- Fall 2003
Assistant for the department homecoming exhibition

3rd grade class of Cordley Elementary School.

- November 2004
Assistant for the department homecoming exhibition