SUNG KYUN KWAN UNIVERSITY(SKKU)

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Key Words Marine Ecology, Kelp Forest, Soft Coral Ecology, Marine Environmental Monitoring

Research Area

Marine Ecology Laboratory of Sungkyunkwan University carries out a variety of research projects concerning Korean marine environments, which include 1) ecological monitoring of marine benthic habitats with regard to global warming and seawater temperature changes, 2) population ecological works of introduced species and endangered species for their conservation perspectives, 3) molecular ecological works on populations of seaweeds and marine invertebrates, 4) urchin barrens (백화현상) and recovery of kelp forest. Most of these projects have been conducted with international and domestic research co-work teams. Researches in my lab covers from field experimental works to molecular ecological works.

Education

- 1995 PhD Dept. of Botany, University of British Columbia, Canada
- 1987 MSc Dept. of Biology, Western Illinois University, USA
- 1984 BSc Dept. of Biology, Sungkyunkwan University

Experience

- 2003 – 2004 Visiting Professor, University of British Columbia, Canada
- 1997 - Present Professor, Dept. of Biological Sciences, Sungkyunkwan University
- 1995 - 1997 Postdoc, University of British Columbia, Canada

Position

- 2006 – Present Associate Editor, Phycological Research (SCI Journal)
- 2001 – Present Associate Editor, Algae (SCIE Journal)
- 2015 – 2019 Chair of National Organizing Committee, ISS-2019 Korea

Selected Publication

- Changes in macroalgal assemblage with sea urchin density on the east coast of South Korea. Algae 30(2): 139-146 **(2015)**
- Morphological and genetic variability among *Eklonia cava* (Laminariales, Phaeophyceae) populations in Korea. Algae 30(2): 89-102 **(2015)**
- The importance of substratum and elevation in recruitment and persistence of ulvoid algal blooms on rocky intertidal shores of the southern Korean coast. Botanica Marina **(2014)** 57:55-66
- Effects of nutrient enrichment and herbivory on morphology, reproduction and chemical content of *Turbinaria conoides* (Phaeophyceae). Phycological Research **(2013)** 61(4) 270-276
- The effects of herbivore exclusion and nutrient enrichment on growth and reproduction of Halimeda macroloba. ScienceAsia(2012) (38), 227-234
- Changes in Gene Expression in the Brown Alga *Undaria pinnatifida* (Harvey) Suringar (Laminariales, Pheophyceae) between Natural Populations. Toxicol. Environ. Health. **(2011)** Sci. Vol. 3(2), 91-96
- Specificity of inducible seaweed anti-herbivory defences depends on identity of macroalgae and herbivores. **(2008)** Marine Ecology Progress Series 354: 97-105
- Inducible responses in the brown seaweed *Ecklonia cava*: the role of grazer identity and season. **(2006)** Journal of Ecology 94: 243-249

Others