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Education :

- B.Sc. Botany, Seoul National University 1972 - 1976
Seoul, Korea
- M.S. Botany, Seoul National University 1977 - 1979
Seoul, Korea
Master Thesis : A study on the marine algae of Incheon Dock
Supervisor : Dr. In Kyu Lee
- M.S. Marine Sciences Research Center 1980 - 1984
State University of New York
Stony Brook, New York, U.S.A.
Master Thesis : Growth and reproductive phenology of *Laminaria saccharina* (L.) Lamour. (Phaeophyta) at the southern limit of its distribution in the northwestern Atlantic Ocean.
Supervisor : Dr. B.H. Brinkhuis
- Ph.D. Marine Sciences Research Center, 1984 - 1987
State University of New York,
Stony Brook, New York, U.S.A.
Ph.D. Thesis : Environmental regulation of the reproduction and recruitment of *Laminaria saccharina* (L.) Lamour. (Phaeophyta) at the southern limit of its distribution in the northwestern Atlantic Ocean.
Supervisor : Dr. B.H. Brinkhuis

Professional Society :

The Korean Society of Phycology (1987 ~)
The Korean Fisheries Society (1996 ~)
The Korean Limnological Society (1991 ~)
The Botanical Society of Korea (1987 ~)
Phycological Society of America (1985 ~)
International Phycological Society (1997 ~)
Presidential Commission on Policy Planning (Korea) (1999 ~ 2002)
Presidential Advisory Council on Science and Technology (Korea) (2004 ~)

Publications (1999 ~) :

- Srivastava V, Choi AR, Kim W and Lee JA 1999. Horizontal and vertical distribution of protein phosphatase inhibitors of microcystin class in the Nakdong River, Korea. *ALGAE*, 14:67-72.
- Kang YJ, Ko TH, Lee JA, Lee JB and Chung IK. 1999. The community dynamics of phytoplankton and distribution of dinoflagellate cysts in Tongyoung Bay, Korea. *ALGAE*, 14:43-54.
- Srivastava V, Park YS and Lee JA. 1999. Comparison of the HPLC analysis and protein phosphatase assay in the detection of cyanobacterial toxins in the Nakdong River samples. *ALGAE*, 14:111-115.
- Kim W, Choi AR and Lee JA. 1999. The occurrence of microcystins in the Nakdong River. *ALGAE*, 14:237-246.
- Lee MH, Lee JB, Lee JA and Park JK. 1999. Community structure of flagellates and dynamics of resting cysts in Kamak Bay, Korea. *ALGAE*, 14:255-266.
- Ahn DK, Park YS, Park JK, Lee JS and Lee JA. 2000. Quantification of DSP toxins in the mussels of the Jinhae Bay by fluorometric HPLC analysis and protein phosphatase inhibition assay. *ALGAE*, 15:307-314.
- Park JK, Jeong MK, Lee JA, Cho KJ and Kwon OS. 2001. Diurnal vertical migration of a harmful dinoflagellate, *Cochlodinium polykrikoides* (Dinophyceae), during a red tide in coastal waters of Namhae Island, Korea. *Phycologia*, 40:292-297.
- Choi AR, Park JH and Lee JA. 2002. Population dynamics and the toxin of *Anabaena* in the lower Nakdong River. *ALGAE*, 17:95-104.
- Choi AR, Oh HM and Lee JA. 2002. Ecological study on the toxic *Microcystis* in the lower Nakdong River. *ALGAE*, 17:171-185.
- Chung IK, Kang YH, Yarish C, Kraemer GP and Lee JA. 2002. Application of seaweed cultivation to the bioremediation of nutrient-rich effluent. *ALGAE*, 17:187-194.
- Kim MK, Kwon JH, Cho YH, Lee JA and Kwon OS. 2003. A study on the removal characteristics of microcystins in the water treatment plant by ozonization. *Korean J.*

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- Kwon OS, Kim YJ, Cho KJ, Lee JA, Kim YE, Hwang IY and Kwon JH. 2003. Influence of transition-metal cofactors on the reductive dechlorination of polychlorinated biphenyls (PCBs). *J. Microbiol.*, 41:189-195.
- Kim CH, Kwon OS and Lee JA. 2003. A study on the lysis of a bluegreen alga *Anabaena cylindrica* by a bacterium. *ALGAE*, 18:355-360.
- Kim CH, Kwon OS and Lee JA. 2004. Bacterial control of cyanobacterial bloom. *Korean J. Microbiol.*, 40:115-120.
- Li XY, Chung IK, Kim JI and Lee JA. 2004. Subchronic oral toxicity of microcystin in common carp exposed to *Microcystis* under laboratory conditions. *Toxicol.*, 44:821-827.
- Son MH, Kwon OS, Moon BY, Chung IK, Lee CH, Zulfugarov IS and Lee JA. 2005. The study on the fluorescence characteristics of several freshwater bloom forming algal species and its application. *ALGAE*, 20:113-120.
- Li XY, Chung IK, Kim JI and Lee JA. 2005. Oral exposure to *Microcystis* increases activity-augmented antioxidant enzymes in the liver of loach (*Misgurnus mizolepis*) and has no effect on lipid peroxidation. *Comp. Biochem. & Physiol., Part C*, 141:292-296.