

Curriculum Vitae

Name : JOON-BAEK LEE

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Field of specialization :

Biological oceanography (Phytoplankton Ecology)

Short scientific biography :

- 1975.3-1979.2 Hanyang Univ. (Dept. of Biology) B.S.
- 1981.9-1984.2 Hanyang Univ. Graduate School (Dept. of Biology) M.S.
- 1984.9-1987.8 Hanyang Univ. Graduate School (Dept. of Biology) Ph.D.
- 1988.3-1990.9 Cheju Nat. Univ.(Dept. of Oceanography) Full-time Lecturer
- 1990.10-1994.9 Cheju Nat. Univ. (Dept. of Oceanography), Assistant Professor
- 1992.1-1993.1 Univ. of London, Royal Holloway College (Dept of Biology),
Research Fellow
- 1994.10-1999.9 Cheju Nat. Univ. (Dept. of Oceanography), Associate Professor
- 1999.10-present Cheju Nat. Univ. (Dept. of Oceanography), Professor
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Current Research Interests :

- phytoplankton ecology and taxonomy
- microbial food web
- microalgal culture and properties of cellular extracts

Publication :

1. Yoo, K.I. and J.B. Lee. 1985. Environmental studies on Masan Bay 3. Population dynamics of dinoflagellates. *Bulletin of Environmental Sciences, Research Institute for Environmental Sciences, Hanyang University*, 6:117-127.
2. Yoo, K.I. and J.B. Lee. 1986. Taxonomical studies on dinoflagellates in Masan Bay 1. Genus *Prorocentrum* Ehrenberg. *Journal of Oceanological Society of Korea*, 21(1):46-55.
3. Yoo, K.I. and J.B. Lee. 1987. On the trophic correlation between tintinnids and dinoflagellates in Masan Bay, Korea. *Bulletin of the Korean Fisheries Society*, 20(3):230-236.
4. Lee, J.B. 1989. Species composition and dynamics of phytoplankton community at Tap-dong coastal area in the northern part of Cheju Island. *Bulletin of the Marine Research Institute, Cheju National University*, 13:35-45.
5. Choi, Y.C., Y.B. Go and J.B. Lee. 1989. Sea water characteristics around coast line of Cheju Island from June 1987 to April 1988. *Journal of Korean Earth Science Society*, 10(1):54-61.
6. Lee, J.B., Y.C. Choi and Y.B. Go. 1989. Primary production of phytoplankton around the coast line of Cheju Island. *Journal Korean Earth Science Society*, 10(1):62-67.
7. Go, Y.B., J.B. Lee and Y.C. Choi. 1989. Standing stocks and production of planktonic crustaceans around coast line of Cheju Island from June 1987 to April 1988. *Journal of Korean Earth Science Society*, 10(1):68-75.

8. Yoo, K.I. and J.B. Lee. 1990. Environmental studies on Masan Bay 4. Marine environmental characteristics, 1986-1987. *Bulletin of Environmental Sciences, Research Institute for Environmental Sciences, Hanyang University*, 11:55-74.
9. Lee, J.B. and K.I. Yoo. 1990. Dynamics and seasonal succession of dinoflagellate community in Masan Bay, Korea. *Journal of Oceanological Society of Korea*, 25(2):106-116.
10. Lee, J.B., Y.B. Go and J.H. Choa. 1990. The structure and dynamics of phytoplankton communities around the coastline of Cheju Island, Korea. *Korean Journal of Phycology*, 5(2):159-171.
11. Lee, J.B. and J.H. Choa. 1990. The dynamics of phytoplankton communities at Hanrim and Songsan Harbor of Cheju Island, Korea. *Bulletin of the Marine Research Institute, Cheju National University*, Vol. 14:9-24.
12. Lee, J.B. and S.J. Song. 1990. Basic study for the measurement of phytoplankton primary productivity using chlorophyll fluorescence method. *Cheju Applied Radioisotope Research Institute Annual Report, Cheju National University*, 5:83-87.
13. Choi, Y.C., Y.S. Moon, Y.B. Go and J.B. Lee. 1991. Bioecological studies of the northern coastal area in Cheju Island - Chemical characteristics of seawater around Hamduck, northern part of Cheju Island. *Journal of Korean Earth Science Society*, 12(1):38-45.
14. Lee, J.B. and K.I. Yoo. 1991. Distribution of dinoflagellate cysts in Masan Bay, Korea. *Journal of Oceanological Society of Korea*, 26(4):304-312.
15. Lee, J.B., J.H. Choa and I.S. Kim. 1991. Distribution and species composition of periphytic diatom around the coast of Cheju Island. *Bulletin of the Marine Research Institute, Cheju National University*, 15:61-72.
16. Choi, Y.C., Y.B. Go and J.B. Lee. 1992. Biological studies of the southern coastal area in Cheju Island (II) Sea water properties of coastal zone around Seogwipo. *Journal of Korean Earth Science Society*, 13(3):327-335.
17. Choi, Y.C., Y.B. Go and J.B. Lee. 1993. Bioecological studies of the eastern coastal area in Cheju Island (I) Sea water properties of coastal zone around U-do. *Journal of Korean Earth Science Society*, 14(4):450-457.
18. Lee, J.B., J.H. Choa, Y.B. Go and Y.C. Choi. 1993. Bioecological studies of the eastern coastal area in Cheju Island (II) Phytoplankton dynamics and primary productivity around U-do. *Journal of Korean Earth Science Society*, 14(4):458-466.
19. Matsuoka, K. and J.B. Lee. 1994. Dinoflagellate cysts in surface sediments of Aso Bay and Mine Bay in Tsushima Island, West Japan. *Bulletin of the Faculty of Liberal Arts, Nagasaki University, Natural Science*, 34(2):121-132.
20. Lee, J.B. and K. Matsuoka. 1994. Distribution of dinoflagellate cysts from surface sediments in southern Korean waters. In: Lee, K.W. (ed.) *Proceedings of Second International Symposium on Marine Science "Exploitation of Marine Resources"*, Marine Research Institute, Cheju National University, pp. 1-20.
21. Choi, Y.C., J.B. Lee and Y.B. Go. 1994. Bioecological studies of the western coastal area in Cheju Island (I) Sea water properties of coastal zone around Gosan. *Bulletin of the Marine Research Institute, Cheju National University*, 18:39-48.
22. Matsuoka, K., M.H. Kim, K. Takemura, S. Nagaoka and J.B. Lee. 1995. Geologic age and facies of the boring core sediments from Cheju Island, Korea. *Bulletin of the Faculty of Liberal Arts, Nagasaki University, Natural Science*, 35(2):135-145.
23. Lee, J.B., H.B. Koh, Y.B. Go and Y.C. Choi. 1995. Bioecological studies of the northern coastal area in Cheju Island - Phytoplankton dynamics and primary productivity at the Hamduck Area. *Bulletin of the Marine Research Institute, Cheju National University*, 19:103-113.
24. Lee, J.B. and K. Matsuoka. 1996. Dinoflagellate cysts in surface sediments in southern Korean waters. In: Yasumoto, Y., Oshima, Y. and Fukuyo, Y.(eds). *Harmful and Toxic Algal Blooms*, Intergovernmental Oceanographic Commission of UNESCO, pp.173-176.
25. Lee, J.B. 1996. A classification and the status of biodiversity of Korean phytoplankton. In: Yoon, J.S.(ed.) *Proceedings of the international symposium on marine science, "Development of marine science high technology"*, Marine Research Institute, Cheju National University, pp. 73-84.
26. Lee, J.B. and Y.B. Go. 1997. The characteristics of occurrence and distribution of plankton around the Cheju Island in Korea. In: Go, Y.B.(ed.), *Proceedings of the first International Workshop, College of Ocean Sciences, Cheju National University, The East China Sea*, 1:102-121.

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29. Lee, J.B. 1998. Distribution of dinoflagellate cysts and relationship with marine environment in Masan-Chinhae Bay, Korea. In: Rho, S. (ed.) *Proceedings of the Fourth International Symposium on Marine Science, 'Marine Environments & Survival Strategies in the Sea'*, Marine Research Institute, Cheju National University, pp.13-16.
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44. Lee, J.B. and B. Shynn. Seasonal variation of phytoplankton around Jeju Harbour. *Bulletin of the Marine Research Institute, Cheju National University*, 24: 79-85.
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Achnanthes longipes from Korea. *J. Mar. Biosci. Biotech. Korea*, 2:174-186.