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**Career History**

JSPS Research fellow, Tokyo Institute of Technology	2007-present
Postdoctoral Researcher, Frontier Research Center for Global Change/ JAMSTEC	2006-2007
Research Assistant, Frontier Research Center for Global Change/ JAMSTEC	2003-2006
Graduate Student, Graduate School of Environmental Science, Hokkaido University	1999-2003
Undergraduate Student, Department of Education, Nara University of Education,	1995-1999

**Education**

Ph. D., Graduate School of Environmental Earth Science, Hokkaido University	2006
Title of thesis: “Study on the Marine Nitrogen Cycle in the Western and Central Equatorial Pacific and the Sea of Okhotsk using the Nitrogen Isotopic Ratio”	
M. S., Graduate School of Environmental Earth Science, Hokkaido University	2001
B. S., Department of Education, Nara University of Education,	1999

**Research Interests**

Marine nitrogen cycle, Marine ecosystem modeling, Nitrogen isotope Geochemistry, Chemical Oceanography, Climate change

**Professional Membership**

Oceanographic Society of Japan	1999-present
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## **Publications**

### *Refereed Articles:*

1. Yoshikawa, C., M. Kawamiya, T. Kato, Y. Yamanaka and T. Matsuno, Geographical distribution of the feedback between future climate change and the carbon cycle, *Journal of Geophysical Research*, in revision.
2. Yoshikawa, C., T. Nakatsuka and M. Wakatsuchi (2006), Nitrogen cycle in the Sea of Okhotsk as revealed by distributions of N\* and nitrogen isotopes, *Journal of Marine Systems*, 63, 49-62.
3. Yoshikawa, C., Y. Yamanaka and T. Nakatsuka (2006), Nitrogen isotopic patterns of nitrate in surface waters of the western and central equatorial Pacific, *Journal of Oceanography*, 62, 511-525.
4. Friedlingstein, P., P. Cox, R. Betts, L. Bopp, W. von Bloh, V. Brovkin, S. Doney, M. Eby, I. Fung, B. Govindasamy, J. John, C. Jones, F. Joos, T. Kato, M. Kawamiya, W. Knorr, K. Lindsay, H. D. Matthews, T. Raddatz, P. Rayner, C. Reick, E. Roeckner, K.-G. Schnitzler, R. Schnur, K. Strassmann, S. Thompson, A. J. Weaver, C. Yoshikawa, and N. Zeng (2006), Climate –carbon cycle feedback analysis, results from the C<sup>4</sup>MIP model intercomparison, *Journal of Climate*, 19, 3337-3353.
5. Seki, O., C. Yoshikawa, T. Nakatsuka, K. Kawamura and M. Wakatsuchi (2006), Terrestrial biomarker flux in settling particle form the western region of the Sea of Okhotsk, *Deep-Sea Research Part I*, 53, 253-270.
6. Kawamiya, M., C. Yoshikawa, T. Kato, H. Sato, K. Sudo, S. Watanabe and T. Matsuno (2005), Development of an Integrated Earth System Model on the Earth Simulator, *Journal of Earth Simulator*, 4, 18-30.
7. Yoshikawa, C., T. Nakatsuka and H. Kawahata (2005), Transition of low-salinity water in the Western Pacific Warm Pool recorded in the nitrogen isotopic ratios of settling particles, *Geophysical Research Letters*, 32, doi:10.1029/2005GL023103.
8. Yoshikawa, C., Y. Yamanaka and T. Nakatsuka (2005), An ecosystem model including nitrogen isotopes: Perspectives on a study of the marine nitrogen cycle, *Journal of Oceanography*, 61, 921-942.
9. Nakatsuka T., T. Fujimune, C. Yoshikawa, S. Noriki, K. Kawamura, Y. Fukamachi, G. Mizuta, M. Wakatsuchi (2004), Biogenic and lithogenic particle fluxes in the western region of the Sea of Okhotsk: Implications for lateral material transport and biological productivity, *Journal of Geophysical Research*, 109, C09S13, doi:10.1029/2003JC001908.
10. Nakatsuka T., C. Yoshikawa, M. Toda, K. Kawamura, and M. Wakatsuchi (2002), An extremely turbid intermediate water in the Sea of Okhotsk: Implication for the transport of

particulate organic matter in a seasonally ice-bound sea, *Geophysical Research Letters*, 29 (16), doi:10.1029/2001GL014029.