
Personal Data

Name:

**Masumi
YAMAMURO
(DSc)**



Mailing Address : Prof. Dr. M. Yamamuro
Department of Natural Environmental Studies,
Graduate School of Frontier Sciences,
The University of Tokyo
5-1-5 Kashiwanoha, Kashiwa, 277-8563 JAPAN

Phone & Fax: (+81) 4-7136-4770

E-mail: yamamuro (at) k.u-tokyo.ac.jp

Education

D. Sc.: Department of Geography, Faculty of Science, University of Tokyo (1986-1991)
Thesis title: Role of filter-feeding bivalve on nitrogen cycling in eutrophic brackish water

M. Sc. : Department of Geography, Faculty of Science, University of Tokyo (1984-1986)
Dissertation title: Distributions of Polychaeta, Gastropoda and Bivalvia and environmental conditions as determinants in brackish coastal lagoons in Japan

Professional Experience

- **Professor**, Department of Natural Environmental Studies, Graduate School of Frontier Sciences, The University of Tokyo (April 2007 – till date)
- **Affiliated Professor**, Earth and Planetary System Science Group, Department of Earth and Planetary Science, Graduate School of Science, The University of Tokyo (April 2007 – till date)
- **Visiting Scientist**, Institute of Geology and Geoinformation, Geological Survey of Japan, AIST (April 2007 – till date)
- **Adjunct Professors**, International College of Arts and Sciences, Yokohama City University (April 2006 – March 2007)
- **Senior Researcher**, Institute of Geology and Geoinformation, Geological Survey of Japan, AIST (April 2004 – March 2007)
- **Senior Researcher**, Institute for Marine Resources and Environment, Geological Survey of Japan, AIST (April 2001 – March 2004)
- **Senior Researcher**, Marine Geology Department, Geological Survey of Japan (April 1991 - March 2001)
- **Programming Instructor**, Super Computer Centre, The University of Tokyo (At present, Information

Technology Centre, The University of Tokyo) (April 1985 – March 1987)

Areas of Research Interests

- Biogeochemical cycles
- Stable isotopes
- Environmental change in Holocene
- Coral reefs
- Seagrass beds monitoring and management
- Estuaries
- Stream ecology
- Invasive species
- Freshwater SAV
- Surface and groundwater quality and management
- Ecotoxicology
- Psychological effect of environment to children

Professional Memberships

- American Society of Limnology and Oceanography
- The Japanese Society of Limnology (*Councillor*)
- Japan Society on Water Environment
- The Oceanographic Society of Japan (*Ex-Councillor*)
- Coastal Oceanography Research Committee, The Oceanographic Society of Japan
- Japan Society of Civil Engineers (*Committee member of Technology assistance*)
- The Association of Japanese Geographers (*Committee member of Planning*)
- Tokyo Geographical Society
- Water Plant Society, Japan
- Japan Society of Endocrine Disrupters Research (*Councillor*)
- The Informal Subcommittee of LOICZ ; the Joint Subcommittee of IGBP, WCRP and DIVERSITAS; the Joint Committee on Committee on Ecology and Environmental Science and Committee on Earth and Planetary Science (*committee chairperson*)

Editorial activities

- [Managing editor \(1999-2001\) of Limnology](#)
- [Contributing editor of Aquatic Biology](#)
- Editorial committee of Ecology and Civil Engineering
- Editing and managing for the publication of special issue in “Journal of Marine Systems (Volume 26, Issue 2, Pages 115-238, October 2000)”
- [Associate Editors-in-Chief of Landscape and Ecological Engineering](#)

Organization of meetings

- Co-chair of the “International Workshop on Response of Coral Reefs to Global Changes” (1996), Tsukuba, Japan.
- Committee on the third Marine Biotechnology Society (1999), Tsukuba, Japan
- Association for the sciences of Limnology and oceanography (2012), Lake Biwa, Otsu, Shiga, Japan

Bibliography I (Peer-reviewed English journals)

1. **Yamamuro, M.** (1988) [Seasonal changes of the distributions of brackish polychaetes in Lake Shinji, Japan.](#) The Japanese Journal of Limnology, 49, 287-292.
2. Nakamura, M., **Yamamuro, M.**, Ishikawa, M. and Nishimura, H. (1988) [Role of the bivalve *Corbicula japonica* in the nitrogen cycle in a mesohaline lagoon.](#) Marine Biology, 99, 369-374.
3. **Yamamuro, M.**, Nakamura, M., and Nishimura, H. (1990) [A method for detecting and identifying the lethal environmental factor on a dominant macrobenthos and its application to Lake Shinji, Japan.](#) Marine Biology, 107, 479-483.
4. **Yamamuro, M.**, Koike, I. and Iizumi, H. (1993) [Partitioning of the nitrogen stock in the vicinity of a Fijian seagrass bed dominated by *Syringodium isoetifolium* \(Aschers.\) Dandy.](#) Australian Journal of Marine and Freshwater Research, 44, 101-115.
5. Koike, I., **Yamamuro, M.** and Pollard, P. C (1993) [Carbon and nitrogen budget of two ascidians and their symbiont, *Prochloron*, in a tropical seagrass meadow.](#) Australian Journal of Marine and Freshwater Research, 44, 173-182.
6. **Yamamuro, M.** and Koike, I. (1993) [Nitrogen metabolism of the filter-feeding bivalve *Corbicula japonica* and its significance in primary production at a brackish lake in Japan.](#) Limnology & Oceanography, 38, 997-1007.
7. **Yamamuro, M.** and Koike, I. (1994) [Diel change of nitrogen species in surface and overlying water of shallow eutrophic lake in summer.](#) Limnology & Oceanography, 39, 1726-1733.
<http://www.aslo.org/lo/search.html>
8. **Yamamuro, M.**, Minagawa, M., and Kayanne, H. (1995) [Carbon and nitrogen stable isotopes of primary producers in coral reef ecosystems.](#) Limnology & Oceanography, 40, 617-621.
9. **Yamamuro, M.** and Kayanne, H. (1995) [Rapid direct determination of organic carbon and nitrogen in carbonate-bearing sediments using Yanaco MT-5 CHN analyzer.](#) Limnology & Oceanography, 40, 1001-1005.
10. Oka, N., Yagi, T., and **Yamamuro, M.** (1997) [Nutritional autopsy of a short-tailed albatross \(*Diomedea albatrus*\) weakened by fishhook, washed ashore in central Honshu, Japan.](#) Journal of the Yamashina Institute for Ornithology, 29, 67-72.
11. **Yamamuro, M.** and Kayanne, H. (1997) Dissolved organic nitrogen flux from coral colonies and calcareous sandy sediment. Galaxia, 13, 197-205.
12. Kawahata, H., **Yamamuro, M.**, and Ohta, H. (1998) [Seasonal and vertical variations of sinking particle fluxes in the West Caroline Basin.](#) Oceanologica Acta, 21, 521-532.
13. **Yamamuro, M.**, Oka, N. and Hiratsuka, J. (1998) [Predation by diving ducks on biofouling mussel *Musculista senhousia* in a eutrophic estuarine lagoon.](#) Marine Ecology Progress Series, 174, 101-106
14. **Yamamuro, M.** and Koike, I. (1998) [Concentrations of nitrogen in sandy sediments of a eutrophic estuarine lagoon.](#) Hydrobiologia, 386, 37-44.
15. **Yamamuro, M.** (1999) [Importance of epiphytic cyanobacteria as food sources for heterotrophs in a tropical seagrass bed.](#) Coral Reefs, 18, 263-271.
16. Oka, N., **Yamamuro, M.**, Hiratsuka, J., Satoh, H. (1999) [Habitat selection by wintering tufted ducks with special reference to their digestive organ and to possible segregation between neighboring populations.](#) Ecological Research, 14, 303-315.

17. **Yamamuro, M.**, Hiratsuka, J., Ishitobi, Y. (2000) [Seasonal change in a filter-feeding bivalve *Musculista senhousia* population of a eutrophic estuarine lagoon.](#) Journal of Marine Systems, 26, 117-126.
18. Sekiya, Y., Hiratsuka, J., **Yamamuro, M.**, Oka, N., Abe, M. (2000) [Diet selectivity and shift of wintering common pochards and tufted ducks in a eutrophic coastal lagoon.](#) Journal of Marine Systems, 26, 233-238.
19. Uye, S., Shimazu, T., **Yamamuro, M.**, Ishitobi, Y., Kamiya, H. (2000) [Geographical and seasonal variations in mesozooplankton abundance and biomass in relation to environmental parameters in Lake Shinji--Ohashi River--Lake Nakaumi brackish-water system, Japan.](#) Journal of Marine Systems, 26, 193-207.
20. Inoue, T., **Yamamuro, M.** (2000) [Respiration and ingestion rates of the filter-feeding bivalve *Musculista senhousia*: implications for water-quality control.](#) Journal of Marine Systems, 26, 183-192.
21. Ishitobi, Y., Hiratsuka, J., Kuwabara, H., **Yamamuro, M.** (2000) [Comparison of fish fauna in three areas of adjacent eutrophic estuarine lagoons with different salinities.](#) Journal of Marine Systems, 26, 171-181.
22. Nakata, K., Horiguchi, F., **Yamamuro, M.** (2000) [Model study of Lakes Shinji and Nakaumi --- a coupled coastal lagoon system.](#) Journal of Marine Systems, 26, 145-169.
23. **Yamamuro, M.** (2000) [Abundance and size distribution of sublittoral meiobenthos along estuarine salinity gradients.](#) Journal of Marine Systems, 26, 135-143.
24. **Yamamuro, M.** (2000) [Chemical tracers of sediment organic matter origins in two coastal lagoons.](#) Journal of Marine Systems, 26, 127-134.
25. Iizumi, H. and **Yamamuro, M.** (2000) [Nitrogen fixation activity by periphytic blue-green algae in a seagrass bed on the Great Barrier Reef.](#) JARQ, 34, 69-73.
26. **Yamamuro, M.** (2000) Coral reefs as sustainable organic producers. Proceedings of Pacific Congress on Marine Science & Technology, 99, 356-360.
27. Masunaga, S., Yao, Y., Ogura, I., Nakai, S., Kanai, Y., **Yamamuro, M.**, and Nakanishi, J. (2001) [Identifying sources and mass balance of dioxin pollution in Lake Shinji basin, Japan.](#) Environmental Science & Technology, 35, 1967-1973.
28. **Yamamuro, M.**, Umezawa, Y., and Koike, I. (2001) [Seasonality in nutrient concentrations and stable isotope ratios of *Halophila ovalis* growing on the intertidal flat of SW Thailand.](#) Limnology, 2, 199-205.
29. Yamamoto, M., Kayanne, H., **Yamamuro, M.** (2001) [Characteristics of organic matter in lagoonal sediments from the Great Barrier Reef.](#) Geochemical Journal, 35, 385-401.
30. Kang, Y-S., **Yamamuro, M.**, Masunaga, S., Nakanishi, J. (2002) [Specific biomagnification of polychlorinated dibenzo-p-dioxins and dibenzofurans in tufted ducks \(*Aythya fuligula*\), common cormorants \(*Phalacrocorax carbo*\) and their prey from Lake Shinji, Japan.](#) Chemosphere, 46, 1373-1382.
31. Umezawa, Y., Miyajima, T., **Yamamuro, M.**, Kayanne, H. and Koike, I. (2002) [Fine scale mapping of land-derived nitrogen in coral reefs by \$\delta^{15}\text{N}\$ in macroalgae.](#) Limnology & Oceanography, 47, 1405-1416.
32. Kumar, K.S., **Yamamuro, M.**, Pitaksintorn, S., Takasuga, T., and Masunaga, S. (2003) [Dioxins/furans and polychlorinated biphenyls \(PCBs\) in dugongs from the Thailand coast.](#) Environmental Contamination and Toxicology, 70, 198-204.

33. **Yamamuro, M.**, Kayanne, H. and Yamano, H. (2003) [δ¹⁵N of seagrass leaves for monitoring anthropogenic nutrient increases in coral reef ecosystems](#). Marine Pollution Bulletin, 46, 452-458.
34. Naito, W., Jin, J., Kang, Y-S., **Yamamuro, M.**, Masunaga, S., Nakanishi, J. (2003) [Dynamics of PCDDs/DFs and Coplanar-PCBs in Aquatic Food Chain in Tokyo Bay](#). Chemosphere, 53, 347-362.
35. **Yamamuro, M.** and Kanai, Y. (2003) [Change in CNP concentrations and CN stable isotope ratios in the eutrophic lagoon sediment for 200 years](#). Geochimica et Cosmochimica Acta, 67(18S1), A553.
36. **Yamamuro, M.**, Umezawa, Y., Koike, I. (2004) [Internal variations in nutrient concentrations and the C and N stable isotope ratios in leaves of the seagrass *Enhalus acoroides*](#). Aquatic Botany, 79, 95-102.
37. **Yamamuro, M.**, Aketa, K., and Uchida, S (2004) [Carbon and nitrogen stable isotope ratios of the tissues and gut contents of a dugong from the temperate coast of Japan](#). Mammal Study, 29, 179-183.
38. **Yamamuro, M.** and Chirapart, A. (2005) [Quality of the seagrass *Halophilla ovalis* on a Thai intertidal flat as food for the dugong](#). Journal of Oceanography, 61, 183-186.
39. **Yamamuro, M.** and Kanai, Y. (2005) [A 200-year record of natural and anthropogenic changes in water quality from coastal lagoon sediments of Lake Shinji, Japan](#). Chemical Geology, 218, 51-61.
40. Kayanne, H., Hirota, M., **Yamamuro, M.**, Koike, I. (2005) [Nitrogen fixation of filamentous cyanobacteria in a coral reef measured using three different methods](#). Coral Reefs, 24, 197-200.
41. Kimura, H., Zhiwen, J., Cizdziel, J., **Yamamuro, M.**, Hattori, K. and Azmy, K. (2005) [Integrated stratigraphy of the upper Neoproterozoic succession in Yunnan Province of South China: Re-evaluation of global correlation and carbon cycle](#). Precambrian Research, 138, 1-36.
42. **Yamamuro, M.**, Hiratsuka, J., Ishitobi, Y., Hosokawa, S., Nakamura, Y. (2006) [Ecosystem shift resulting from loss of eelgrass and other submerged aquatic vegetation in two estuarine lagoons, Lake Nakaumi and Lake Shinji, Japan](#). Journal of Oceanography, 62, 551-558.
43. Yamamoto, M., **Yamamuro, M.**, Tanaka, Y. (2007) [The California current system during the last 136,000 years: response of the North Pacific High to precessional forcing](#). Quaternary Science Reviews, 26, 405-414.
44. Hiratsuka, J., **Yamamuro, M.**, Ishitobi, Y. (2007) [Long-term change in water transparency before and after the loss of eelgrass beds in an estuarine lagoon, Lake Nakaumi, Japan](#). Limnology, 8, 53-58.
45. Bahar, M.M., Ohmori, H., **Yamamuro, M.** (2008) [Relationship between river water quality and land use in a small river basin running through the urbanizing area of Central Japan](#). Limnology, 9, 19-26.
46. Bahar, M.M. and **Yamamuro, M.** (2008) [Assessing the influence of watershed land use patterns on the major ion chemistry of river waters in the Shimousa Upland, Japan](#). Chemistry and Ecology, 24, 341-355.
47. Yoshioka, K., Kamiya, H., Kano, Y., Saki, Y., **Yamamuro, M.** and Ishitobi, Y. (2009) [The relationship between seasonal variations of total-nitrogen and total-phosphorus in rainfall and air mass advection paths in Matsue, Japan](#). Atmospheric Environment, 43, 3496-3501.
48. Tabayashi, Y. and **Yamamuro, M.** (2009) [Changes in the impact of anthropogenic effects on river water quality during the last 50 years in Japan](#). Wetlands Ecology and Management, 17, 409-415.
49. Umezawa, Y., Komatsu, T., **Yamamuro, M.** and Koike, I. (2009) [Physical and topographic factors affecting suspended particulate matter composition in a shallow tropical estuary](#). Marine Environmental Research, 68, 59-70.

50. **Yamamuro, M.**, Hiratsuka, J., and Ishitobi, Y. (2010) [What prevents *Musculista senhousia* from constructing byssal thread mats in estuarine environments? A case study focusing on Lake Shinji and nearby estuarine waters.](#) Landscape and Ecological Engineering, 6, 23-28.
51. Matsumoto, G. I., Tani, Y., Seto, K., Tazawa, T., **Yamamuro, M.**, Watanabe, T., Nakamura, T., Takemura, T., Imura, S. and Kanda, H. (2010) [Holocene paleolimnological changes in Lake Skallen Oike in the Syowa Station area of Antarctica inferred from organic components in a sediment core \(Sk4C-02\).](#) Journal of Paleolimnology, 44(2), 677-693.
52. Kamiya, H., Ohshiro, H., Tabayashi, Y., Kano, Y., Mishima, K., Godo, T., **Yamamuro, M.**, Mitamura, O., and Ishitobi, Y. (2010) [Phosphorus release and sedimentation in three contiguous shallow brackish lakes, as estimated from changes in phosphorus stock and loading from catchment.](#) Landscape Ecology and Management, 7, 53-64.
53. Swaney D.P., Humborg C., Emeis K., Kannen A., Silvert W., Tett P., Pastres R., Solidoro C., **Yamamuro M.**, Hénocque Y. and Nicholls R. (2012) [Five critical questions of scale for the coastal zone.](#) Estuarine, Coastal and Shelf Science, 96, 9-21.
54. Sergey K. K., Takahara H., **Yamamuro M.**, Yulia I. P., Irina V. K., Leonid B. K., Yaroslav V. K., Inna Y. S. and Natalia V. I. (2012) [Regional to local environmental changes in southern Western Siberia: Evidence from biotic records of mid to late Holocene sediments of Lake Belye.](#) Palaeogeography, Palaeoclimatology, Palaeoecology, 331–332, 177-193.
55. Sergey K. K., **Yamamuro M.**, Takahara H., Alexey Y. K., Mikhail A. K., Vladislav A. B., Inna Y. S., Mikhail A. P. and Svetlana B. B. (2012) [An abrupt ecosystem change in Lake Belye, southern Western Siberia: Palaeoclimate versus local environment.](#) Palaeogeography, Palaeoclimatology, Palaeoecology, 331–332, 194-206.
56. **Yamamuro M.** (2012) [Herbicide-induced macrophyte-to-phytoplankton shifts in Japanese lagoons during the last 50 years: consequences for ecosystem services and fisheries.](#) Hydrobiologia, 699, 5-19.
57. Xu C., Mizuno K. Asada A., Abukawa K. and **Yamamuro M.** (2012) 3D-view Generation and Species Classification of Aquatic Plants Using Acoustic Images, J. Marine Acoust. Soc. Jpn, 40(1), 14-26.
58. Abukawa K., **Yamamuro M.**, Kikvidze Z., Asada A., Xu C. and Sugimoto K. (2013) [Assessing the biomass and distribution of submerged aquatic vegetation using multibeam echo sounding in Lake Towada, Japan.](#) Limnology, 14(1), 39-42.
59. Kawahata C., **Yamamuro M.** and Shiraiwa Y. (2013) [Changes in alkaline band formation and calcification of corticated charophyte *Chara globularis*.](#) SpringerPlus 2013, 2:85, DOI: 10.1186/2193-1801-2-85.

Bibliography II (Chapters in English Books, First author)

1. **Yamamuro, M.** (2003) Site-specific models and the importance of benthic-pelagic coupling. Kumagai, M. and Vincent, W.F. eds. "Freshwater Management – Global versus Local Perspectives" Springer, pp.123-134
2. **Yamamuro, M.** and others (2003) Mapping tropical seagrass beds with an underwater remotely operated vehicle (ROV). Saxena, N. ed. "Recent advances in marine science and technology, 2002", Pacon International, pp.177-181
3. **Yamamuro, M.** (2008) Hypoxic water mass formation. Department of Natural Environmental Studies, Graduate School of Frontier Sciences, The University of Tokyo ed. "Natural Environmental Studies for Sustainability", University of Tokyo, pp.47-69

Reports and Proceedings in English

1. **Yamamuro, M.** and Koike, I. (1991) Role of macrobenthic animals on nitrogen cycling in Lake Shinji. In: Kawanabe et al. eds. Proceedings of the International Symposium for Ecology, Shimane '90, pp.153-162
2. **Yamamuro, M.**, Minagawa, M. and Kayanne, H. (1992) Preliminary observation on food webs in Shiraho coral reef as determined from carbon and nitrogen stable isotopes. Proceedings of the Seventh International Coral Reef Symposium, vol.1, 358-361.
3. **Yamamuro, M.** and Oka, N. (1995) Role of aquatic birds on nutrient cycling in eutrophic lakes. Proceedings of 6th International Conference on the Conservation and Management of Lakes, vol.2, 775-776.
4. **Yamamuro, M.** (1996) Role of filter-feeding bivalves and aquatic birds in estuarine ecosystems. Proceedings of the Third International Symposium of ETERNET-APR: Conservation of the Hydrospheric Environment, VI-34-39
5. **Yamamoto, M.**, Yamamuro, M., Kayanne, H. (1996) Characteristics of organic matter in coral reef sediments. Abstracts of International Workshop on Response of Coral Reefs to Global Changes, 79-84.
6. **Yamamuro, M.** (1996) Coral reefs as sustainable organic producers. Abstracts of International Workshop on Response of Coral Reefs to Global Changes, 69-74.
7. Iizumi, H., **Yamamuro, M.** (1997) Epiphytic nitrogen fixing activity at a seagrass bed in Great Barrier Reef, pp. 153-162. In: Developmental processes and material flow in tropical seagrass beds, Ocean Research Institute, University of Tokyo, March.
8. **Yamamuro, M.**, Kayanne, H. (eds.) (1997) Report of Research Project "CO₂ Cycles in Model Coral Reefs" (FY1989-1996) R&D Global Environmental Technology, Agency of Industrial Science and Technology, MITI, 131pp
9. **Yamamuro, M.** (1997) CN stable isotope ratios and CNP contents of primary producers and heterotrophs in the tropical seagrass bed, pp. 122-141. In: Developmental processes and material flow in tropical seagrass beds, Ocean Research Institute, University of Tokyo
10. **Yamamuro, M.** (1998) Eutrophication control through food web management in estuarine lagoons - A case study of Lake Shinji and Lake Nakaumi. Proceedings of the Seventh Japanese-German Workshop on Waste Water and Sludge Treatment, 267-275.
11. **Yamamuro, M.** (2000) Coral reefs as sustainable organic producers. Proceedings of Pacific Congress on Marine Science & Technology, 99, 356-360.
12. Nakamura, Y., Kerciku, F., Inoue, T., Ishitobi, Y., **Yamamuro, M.** (2000) Role of convective circulation in coupling primary production and benthic processes in a brackish lake dominated by suspension-feeding bivalves. Proceeding of 28th IAHR Congress.
13. **Yamamuro et al.** (2002) Mapping tropical seagrass beds using underwater remotely operated vehicle (ROV). Proceedings of Techno-Ocean 2002 International Symposium
14. **Yamamoto, M.**, Yamamuro, M., Tada, R. (2000) Late quaternary records of organic carbon, calcium carbonate, and biomarkers from site 1016 off Point Conception, California margin. In Lyle, M., Koizumi, I., Richter, C. and Moore, T.C.Jr (Eds.), Proceedings of the Ocean Drilling Program, Scientific Results, 167, 183-194.
15. **Yamamuro, M.**, Nishimura, K., Kishimoto, K., Nozaki, K., Kato, K., Negishi, A., Otani, K., Shimizu, H., Hayashibara, T., Sano, M., Tamaki, M., and Fukuoka, K. (2003) Mapping tropical seagrass beds

with an underwater remotely operated vehicle (ROV). N, Saxena ed. "Recent Advances in Marine Science and Technology, 2002", Japan International Marine Science and Technology Federation, 177-181.

16. **Yamamuro, M.** and Kanai, Y. (2003) Natural and artificial change in primary productivity for 200 years recorded in the coastal lagoon sediment. Proceedings: International Symposium of the Kanazawa University 21st-Century COE Program, vol. 1, 120-122

Research Projects (Completed)

- CO₂ cycles in model coral reefs. R&D Global Environmental Technology, Agency of Industrial Science and Technology, MITI, 1995/04/01-1997/3/31
- Eutrophication control through food web management in estuarine lagoons - A Case study of Lake Shinji and Lake Nakaumi -. Experimental Research Budget for National Institutions Involved in Pollution and Prevention, Environment Agency of Japan, 1994/04/01-1999/03/31
- Measurement of seagrass standing crop using underwater ROV in subtropical coast in Japan. Experimental Research Budget for National Institutions Involved in Pollution and Prevention, Ministry of the Environment, 2000/04/01-2003/03/31
- Development of the method for dynamic detection and analysis of environmental pollutants based on the study of feeding ecology of coastal fishes with high degree of environmental sensitivity. Grant-in-Aid for Scientific Research, Japan Society for the Promotion of Science, 2002/4/1-2004/3/31
- Environmental dynamism in the complex ecosystem of coral reef, seagrass bed and mangrove forest. Grant-in-Aid for Scientific Research, Japan Society for the Promotion of Science, 2004/04/01-2007/03/31
- Oxygen consumption process in the hypolimnion of Lake Shinji, Japan. Research funds, Foundation of River & Watershed Environment Management, 2005/06/01-2006/05/31
- Invasion process of biofouling species into an estuary with stable salinity. Research funds, Foundation of River & Watershed Environment Management, 2006/06/01-2007/05/31
- Comparative study of forestation in river channels with different geomorphology. Grants for scientific researches, The Kajima Foundation, 2008/04/01-2010/3/31
- Effects of atmospheric fallout and land use on the river water quality. Research funds, Tokyo Geographical Society, 2008/04/01-2009/3/31

Research Projects (Ongoing)

- Under construction
-