

CURRICULUM VITAE

Shuichi KITADA

Date of Birth

November 26, 1950

Education

B.A. (Oceanography) Faculty of Fisheries, Hokkaido University (1975)
Ph.D. Department of Agriculture, University of Tokyo (1991)

Employment History

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| 2010- present | Adjunct Professor, Agricultural Bioinformatics Research Unit, Graduate School of Agriculture and Life Sciences, University of Tokyo. |
| 2003- present | Professor, Graduate School of Marine Biosciences, Tokyo University of Marine Science and Technology. |
| 2001- 2003 | Professor, Department of Aquatic Biosciences, Tokyo University of Fisheries. |
| 2000 | Visiting scholar at School of Aquatic and Fishery Sciences, University of Washington, Seattle, USA. |
| 1994- 2001 | Associate Professor, Department of Aquatic Biosciences, Tokyo University of Fisheries. |
| 1975- 1994 | Data Analyst on Stock Enhancement and Sea Ranching, Japan Sea-Farming Association, Tokyo. |

Major Professional Activities

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| 2004- present | Member Committee for Invasive Alien Species Act, Ministry of Environment, Japan |
| 2008- 2012 | Director, Japanese Society of Fisheries Science |
| 2007- 2008 | Senior Editor of Fisheries Science |
| 2003- 2006 | Member Editorial Board of Fisheries Science |
| 1999- 2000 | Member Editorial Board of Fisheries Oceanography |
| 1999- 2000 | Member Editorial Board of Japanese Journal of Biometrics |
| 1995- 2011 | Member Scientific Committee of International Symposium on Stock Enhancement and Sea Ranching |

Honors and Awards

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| 2013 | Best Paper Award, Japanese Society of Fisheries Science |
| 2008 | Best Paper Award, Japanese Society of Fisheries Science |
| 1994 | Tauchi Prize, Japanese Society of Fisheries Science |

Books and Monographs

- Kitada S, Kaeriyama M, Hamasaki K, Taniguchi N. (eds.). 2008. Enhancement and Conservation of Fishery Resources. Seizando, Tokyo. 252p. (in Japanese).
- Leber K, Kitada S, Svåsand, Blankenship HL. (eds.). 2004. Stock Enhancement and Sea Ranching 2nd Edition, -developments, pitfalls and opportunities. Blackwell Science, Oxford. 580p.
- Yamada S, Kitada S. 2004. An Introduction to Biostatistics. Seizando, Tokyo. 278p. (in Japanese).
- Kitada S, Jimbo M, Tanaka S, Miyagawa M, Miwa T. 2002. Data Sampling. Kyoritsu, Tokyo, 228p. (in Japanese).
- Kitada S. 2001. Fish Stock Enhancement Assessment with Japan Examples. Kyoritsu, Tokyo, 335p. (in Japanese).

Publications in refereed journals

*: papers in Japanese

- Hamasaki K, Kitada S. 2013. Catch fluctuation of Kuruma prawn *Penaeus japonicus* in Japan relative to ocean climate variability and a stock enhancement programme. Reviews in Fisheries Science 21 (3): in press.
- Miyakoshi Y, Nagata M, Kitada S, Kaeriyama M. 2013 Current hatchery programs and management of chum salmon in Hokkaido, northern Japan. Reviews in Fisheries Science 21 (3): in press.
- Hamasaki K, Ishibashi Y, Kitada S. 2013. Reproduction of an alien *Ruditapes* clam (Bivalvia: Veneridae) on recreational clam-gathering grounds in Tokyo Bay, Japan. Molluscan Research, in press.
- Nakajima K, Kitada S, Yamazaki H, Takemori H, Obata Y, Iwamoto A, Hamasaki K. 2013. Ecological interactions between hatchery and wild fish: A case study based on the highly piscivorous Japanese Spanish mackerel. Aquaculture Environment Interactions 3: 231–243.
- Kitada S, Fujikake C, Asakura Y, Yuki H, Nakajima K, Vargas K, Kawashima S, Hamasaki K, Kishino H. 2013. Molecular and morphological evidence of hybridization between native *Ruditapes philippinarum* and the introduced *Ruditapes* form in Japan. Conservation Genetics 14: 717–733.
- Hamasaki K, Yamashita S, Ishiyama N, Kitada S. 2013. Effects of water availability and migration timing from sea to land on survival and moulting in megalopae and juveniles of the coconut crab *Birgus latro*: Implications for mass production of juveniles. Journal of Crustacean Biology 33: 627–632.
- Hamasaki K, Sugimoto A, Sugizaki M, Murakami Y, Kitada S. 2013. Ontogeny of sinking velocity, body density, and phototactic behaviour in larvae of the coconut crab *Birgus latro*: Implications for larval dispersal and recruitment in the sea. Journal of Experimental Marine Biology and Ecology 442: 58–65.
- *Chow S, Yamamoto T, Watanabe K, Fujinami Y, Kitada S et al. 2013. Locality difference in the frequency of asymmetric shell marking type of the Manila clam *Ruditapes philippinarum*. Nippon Suisan Gakkaishi 79: 190–197.
- Dan S, Hamasaki K, Yamashita T, Oka M, Kitada S. 2012. Age-based life cycle traits of the broadclub cuttlefish *Sepia latimanus* confirmed through release-recapture experiments. Aquatic Biology 17: 181–195.

- Ogawa CY, Hamasaki K, Dan S, Obata Y, Kitada S. 2012. Species composition, reproduction and body size of mud crabs *Scylla* spp. caught in Urado Bay, Japan. *Journal of Crustacean Biology* 32: 762–768.
- *Fujiwara K, Matsuo M, Usuki T, Nemoto M, Takeoka S, Tanaka M., Kitada S. 2012. Stocking effectiveness of nigorobuna *Carassius auratus grandoculis* in Lake Biwa. *Fishery Science* 78: 421–428.
- *Shishidou H, Takimoto A, Obata Y, Hamasaki K, Kitada S. 2012. Stock assessment and release strategy of red sea bream *Pagrus major* in Kagoshima Bay, Japan. *Nippon Suisan Gakkaishi* 78: 161–170.
- Kitada S, Kishino H, Hamasaki K. 2011. Bias and significance of relative reproductive success estimates based on steelhead data: A Bayesian meta-analysis. *Canadian Journal of Fisheries and Aquatic Sciences* 68:1827–1835.
- Hamasaki K, Sugizaki M, Sugimoto A, Murakami Y, Kitada S. 2011. Emigration behaviour during sea-to-land transition of the coconut crab *Birgus latro*: effects of gastropod shells, substrata, shelters and humidity. *Journal of Experimental Marine Biology and Ecology* 403: 81–89.
- Dan S, Hamasaki K, Yamashita T, Oka M, Kitada S. 2011. Relative growth of the broadclub cuttlefish, *Sepia latimanus*: Implications for biomass reconstruction, sex discrimination, and age class identification from the cuttlebone. *Molluscan Research* 31(3): 176–182.
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- * Fujiwara K, Usuki T, Nemoto M, Matsuo M, Takeoka S, Tanaka M, Nakaarai T, Kitada S. 2011. Growth and expansion of habitat of released nigorobuna *Carassius auratus grandoculis* juveniles in Lake Biwa, and effective release strategies to the offing. *Fishery Science* 77: 1051–1064.
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- * Fujiwara K, Usuki T, Nemoto M, Matsuo M, Takeoka S, Tanaka M, Kitada S. 2011. The importance of reed zone as a release region for larval and/or juvenile nigorobuna *Carassius auratus grandoculis* in Lake Biwa, and problems for the stock enhancement. *Fishery Science* 77: 822–833.
- * Fujiwara K, Usuki T, Nemoto M, Kitada S. 2011. Early life ecology of nigorobuna *Carassius auratus grandoculis* in reed zone of Lake Biwa and physiological adaptation to the environment. *Fishery Science* 77: 387–401.
- *Fujiwara K, Kitada S. 2010. Changes in swimming speed of larval and juvenile nigorobuna *Carassius auratus grandoculis* accompanying growth and exercise training in running water. *Fishery Science* 76: 1025–1034.
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- Hamasaki K, Shishidou H, Toriya S, Sugaya T, Kitada S. 2010. Genetic impacts of hatchery fish on wild populations in red sea bream *Pagrus major* (Perciformes, Sparidae) inferred from partial sequence of the control region in mitochondrial DNA. *Journal of Fish Biology* 77: 2123–2136.
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- Miyakoshi Y, Sasaki Y, Fujiwara M, Tanaka K, Matsueda N, Irvine J R, Kitada S. 2009. Implications of recreational fishing on juvenile masu salmon stocked in a Hokkaido river. North American Journal of Fisheries Management 29: 33–39.
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- Sugaya T, Sato M, Yokoyama E, Nemoto Y, Fujita T, Okouchi H, Hamasaki K, Kitada S. 2008. Population genetic structure and variability of Pacific herring, *Clupea pallasii*, in the stocking area along the Pacific coast of northern Japan. Fisheries Science 74: 579–588.
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- *Obata Y, Yamazaki H, Iwamoto A, Hamasaki K, Kitada S. 2008. Augmentation effect of juvenile released of Japanese Spanish mackerel *Scomberomorus niphonius*, estimated from biomass of the bait. Nippon Suisan Gakkaishi 74: 796–801.
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- Hamasaki K, Kitada S. 2008a. The enhancement of abalone stocks: lessons from Japanese case studies. Fish and Fisheries 9: 243–260.
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- Obata Y, Yamazaki H, Iwamoto A, Hamasaki K, Kitada S. 2008. Evaluation of stocking effectiveness of the Japanese Spanish mackerel in the eastern Seto Inland Sea, Japan. Reviews in Fisheries Science 16: 235–242.
- *Kitada S, Kitakado T, Kishino H. 2007. Sampling survey and statistical genetics in fishery resource management and conservation. Japanese Journal of Biometrics 28: 35–5
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- *Shishidou H, Kitada S. 2007. Contribution of hatchery-reared red sea bream *Pagrus major* to the commercial landings in Kagoshima Bay, Japan. Nippon Suisan Gakkaishi 73: 270–277.
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- *Obata Y, Iwamoto A, Takemori H, Yamazaki H, Okumura S, Fujimoto H, Yamamoto Y, Kitada S. 2007. A comparison of survival rates until recruitment for hatchery-released Japanese Spanish mackerel *Scomberomorus niphonius* with different sizes at release. Nippon Suisan Gakkaishi 73: 55–61.
- *Obata Y, Takimoto A, Iwamoto A, Kitada S. 2007. A simulation model for enhancement and management strategies of fisheries resources: A case study of Japanese Spanish mackerel *Scomberomorus niphonius* in the eastern Seto Inland Sea. Nippon Suisan Gakkaishi 73: 43–50.
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- Hamasaki K, Kitada S. 2006. A review of Kuruma prawn *Penaeus japonicus* stock enhancement programs in Japan. Fisheries Research 80: 80–90.
- Yamaguchi T, Ito S, Hamasaki K, Kitada S. 2006. Stcking effectiveness of hatchery-released Kuruma prawn estimated by a two-stage sampling of commercial catch in Ariake Sound, Japan. Fisheries Science 72: 233–238.
- Hamasaki K, Fukunaga K, Kitada S. 2005. Batch fecundity of the swimming crab *Portunus trituberculatus*. Aquaculture 253: 359–365.

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- Shirakihara K, Kitada S. 2004. Estimating migration rates from two tag-release/one recovery experiments. *ICES Journal of Marine Science*, 61: 821–828.
- Kitada S, Tezuka K. 2002. Longitudinal logbook survey designs for estimating recreational fishery catch with application to ayu (*Plecoglossus altivelis*). *Fishery Bulletin* 100: 228–243.
- Miyakoshi Y, Nagata M, Shimoda K, Sugiwaka K, Kitada S. 2002. Assessment of stocking effectiveness of hatchery-reared age-0 and age-1 masu salmon smalts through a fish market survey in Hokkaido. *Fisheries Science* 68 (Supplement I): 908–911.
- *Ando D, Miyakoshi Y, Takeuchi K, Nagata M, Sato T, Yanai S, Kitada S. 2002. Estimates of number of juvenile masu salmon *Oncorhynchus masou* caught by recreational anglers in an urban stream. *Nippon Suisan Gakkaishi* 68: 52–60.
- Miyakoshi Y, Nagata M, Kitada S. 2001. Effect of smolt size on post-release survival of hatchery-reared masu salmon *Oncorhynchus masou*. *Fisheries Science* 67: 134–137.
- Miyakoshi Y, Nagata M, Takeuchi K, Sugiwaka K, Kitada S. 2001a. Commercial harvest of hatchery-reared masu salmon *Oncorhynchus masou* smolts estimated by a coast-wide sampling program in Hokkaido, northern Japan, and the two-stage sampling schemes of landings. *Fisheries Science* 67, 126–133.
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- *Kitada S, Sekiya S, Yokota M. 2001. An evaluation of the Petersen method through experiments in a rearing tank. *Nippon Suisan Gakkaishi* 67: 203–208.
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- *Natsume M, Kitada S, Kunihiro Y, Kinoshita T. 2001. Estimates of population size of Kichiji Rockfish *Sebastolobus macrochir* from tag recoveries in southern Okhotsk Sea. *Nippon Suisan Gakkaishi* 67: 821–828.
- Kitada S, Hayashi T, Kishino H. 2000. Empirical Bayes procedure for estimating genetic distance between populations and effective population size. *Genetics* 156: 2063–2079.
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- Slistiono, Yokota M, Kitada S, Watanabe S. 1999. Age and growth of Japanese whiting *Sillago japonica* in Tateyama Bay. *Fisheries Science* 65: 117–122.
- *Iwamoto A, Okouchi H, Tsuzaki T, Fukunaga T, Kitada S. 1998. Stocking effectiveness of flounder *Paralichthys olivaceus* in Miyako Bay evaluated by a fish market census. *Nippon Suisan Gakkaishi* 64: 830–840.
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- *Yoneyama Y, Tsukamoto K, Kitada S. 1998. Rate of entrainment of the juvenile Masu

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- *Kitada S, Fujishima H. 1997. The stocking effectiveness of scallop in Hokkaido. Nippon Suisan Gakkaishi 63: 686–693.
- *Kitada S. 1997. Examination on statistical models for estimating the mortality rate of released seeds from sighting survey data. Nippon Suisan Gakkaishi 63: 681–685.
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- *Hiramatsu K, Akamine T, Kitada S. 1995. Effectiveness of partial likelihood on estimating fish mortality rates from tag recoveries and the stock composition in the mixed population based on genetic data. Nippon Suisan Gakkaishi 61: 387–388.
- *Kishino H, Kitada S, Hiramatsu K. 1994. Sampling scheme for the estimation of the stock composition in the mixed population based on genetic data. Nippon Suisan Gakkaishi 60: 359–364.
- Kitada S, Hiramatsu K, Kishino H. 1994. Estimating mortality rates from tag recoveries: incorporating over-dispersion, correlation and changepoints. ICES Journal of Marine Science 51: 241–251.
- *Okouchi H, Kitada S, Morioka T, Imamura S. 1994. A comparison of the quality of hatchery-reared red sea bream *Pagrus major* based on mortality rates estimated from tag recoveries. Nippon Suisan Gakkaishi 60: 229–233.
- *Kitada S, Okouchi H. 1994. A simulation model for starategies of hatchery releases with application to red sea bream. Nippon Suisan Gakkaishi 60: 235–240.
- *Kitada S, Matsumiya Y. 1994. Influence of data cumulation on correlation applied in sea ranching programs. Bulletin of Department of Bioresources. Mie University 12: 183–186.
- Hiramatsu K, Matsumiya Y, Kitada S. 1994. Introduction of suitable stock-recruitment relationship by a comparison of statistical models. Fisheries Science, 60(4), 411–414.
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- *Kitada S, Hiramatsu K, Kishino H. 1993a. Estimation of fish mortality rates from tag recoveries using partial likelihood. Nippon Suisan Gakkaishi 59: 609–613.
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- *Kitada S, Kishino H, Hiramatsu K. 1993. Testing the difference of quality of hatchery-reared fingerlings by mortality rates estimated simultaneously from tag recoveries of two groups. Nippon Suisan Gakkaishi 59: 269–272.
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Book Chapters

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