Chair Marine Biological Resources

2.4.12 Laboratory : Marine Stock-Enhancement Biology

Member:	Professor	(Nakabo, Tetsuji, Dr. Agric. Sci. Ichthyology, Kyoto University Mu
	Associate Professor	Tagawa, Masatomo
	Assistant Professor	Nakayama, Kouji
	Doctor's program	1
	Master's Program	5
	Undergraduate	4

A. Research Activities (2010.4-2011.3)

A-1. Main Subjects

A-2.Publications and presentations

a) Publications

Books

- Tagawa M., M. Tanaka: Chapter 14, Metamorphosis and Settlement. "Basic textbook of fish ecology" (Ed. By K. Tsukamoto). 161-171, Kouseisha Kouseikaku, Tokyo, 2010.

Original Papers(including book-reviews)

- Chin B.-S., M. Nakagawa, M. Tagawa, R. Masuda, Y. Yamashita: Ontogenetic changes of habitat selection and thyroid hormone levels in black rockfish (Sebastes schlegelii) reared in captivity.Ichthyol. Res., 57; 278-285, 2010.

- Nishikawa T., M. Aritaki, D. Shimizu, T. Wada, M. Tanaka, M. Tagawa: Faster growth before metamorphosis leads to a higher risk of pseudoalbinism in juveniles of the starry flounder Platichthys stellatus, as suggested by otolith back-calculation. Fisheries Science, 76; 827-831, 2010.

- Fujita J., K. Nakayama, Y. Kai, M. Ueno, Y. Yamashita: Comparison of genetic population structures between the landlocked shrimp, Neocaridina denticulata denticulata, and the amphidromous shrimp, Caridina leucosticta (Decapoda: Atyidae).New Frontiers in Crustacean Biology, 183-196, 2010.

- Hibino M., M. Kawane, M. Uemura, Y. Miyake, K. Nakayama: Genetic evaluation for releasing hatchery population of Ayu Plecoglossus altivelis altivelis by microsatellite DNA analysis. Aquaculture Sci., 58; 195-202, 2010.

- Iseki T., K. Mizuno, T. Ohta, K. Nakayama, M. Tanaka: Current status and ecological characteristics of the Chinese temperate bass Lateolabrax sp., an alien species in the western coastal waters of Japan. Ichthyol. Res., 57(3); 245-253, 2010.

- Nakabo T., K. Nakayama , N. Muto, M. Miyazawa: Oncorhynchus kawamurae "Kunimasu," a deepwater trout, discovered in Lake Saiko, 70 years after extinction in the original habitat, Lake Tazawa, Japan. Ichthyol. Res., (Online First), 2011.

b) Conference and seminar papers presented

- 34th Annual Larval Fish Conference, 2010 (Santa Fe, New Mexico, USA): 1
- Annual meeting of the Ichthylological Society of Korea, 2010 (Korea): 1
- The 81st Annual Meeting of the Zoological Society of Japan, 2010: 1
- The Japanese Association of Benthology & The Plankton Society of Japan Joint Meeting, 2010: 1
- 2011 Annual Spring Meeting of the Japanese Society of Fisheries Science : 2

A-3.Off-campus activities 1

Membership in academic societies

- Tagawa, Masatomo : The Japanese society of Fisheries Science (committee of fishries education, committee of publishment)

- Nakayama, Koji : The Ichthyological Society of Japan (committee of information technology)

A-3.Off-campus activities 2

Research grants

1. Grants-in-aid for Scientific Research(KAKENHI)

- Scientific Research (C): : Tagawa, Masatomo : Mechanisms and prevention of flatfish malformation - studies on optimal spped before metamorphosis.

- Scientific Research (C): : Tanaka, Masaru (Collaborator; Tagawa) : Study on the origin of right-left asymmetry by the use of metamorphosing process in an ancestral flatfish, Psettodes erumei.

- Scientific Research (B): : Nakabo, Tetsuji (Collaborator; Nakayama) : Historical biogeography of marine fishes of Japan and adjacent waters correspondent with oceanographic structure.

- Scientific Research (C): : Kinoshita, Izumi (Collaborator; Nakayama) : Did reclamation works of the Isahaya Bay cause the environmental problems of the Ariake Sea?

B.Educational Activities(2010.4-2011.3)

B-1.On-campus teaching

a) Courses given

- Undergraduate level :	Marine Physiology (Tagawa), Marine Ecology (Tagawa, Nakayama),
	Laboratory Course in Resource Biology I and II (Tagawa, Nakayama),
	Seminar in Fisheries Science (Tagawa, Nakayama), Course in Marine
	Bioscience and Technology I (Tagawa, Nakayama), Animal Physiology
	(Tagawa), Introductory Laboratory Course in Bioresourse Science (Tagawa,
	Nakayama), Overview of Bioresourse Science III (Tagawa, Nakayama),
	Laboratory Course in Forest-Sato-Sea Linkage Science C (Nakayama),
	Introduction to Marine Biology (Tagawa), Physiology of Insects, teleosts, and
	mammals (Tagawa), Ichthyology (Nakayama), Introduction to Fish Biology
	for Fish Lovers (Tagawa, Nakayama)
- Graduate level:	Seminar in Marine Resource Biology (Tagawa, Nakayama), Laboratory
	Course in Marine Resource Biology (Tagawa, Nakayama)

B-2.Off-campus teaching etc.

Part-time lecturer

- Tagawa, Masatomo: Ooyamazaki elementary school and Watsuka elementary school, Lecturer dispached by Kyoto Prefectural Board of Education

Open lectures, etc.

- Nakayama, Kouji: Lecturer, Japan Fisheris Resource Conservation Association

C.Other Remarks

- Tagawa, Masatomo: External reviewer of a research project sponsored by Fisheries Research Agency (Stress map of AYU in Shiga prefecture), External scientific advisor of a research project sponsored by Ministry of Agriculture, forestry, and fisheries (Seed production for release using water field in Shiga prefecture)

- Nakayama, Kouji: Japan Fisheris Resource Conservation Association

Special notes :

Nakayama, Japanese Society of Fisheries Oceanography, Best paper prize Tagawa, The Japanese society of Fisheries Science, Excellent paper award