

PhD Dissertation (June 2005 – September 2006)

Hiroshima University has granted the Doctor's degree to the following researchers.
The list is only concerned with the Graduate School of Biosphere Science.

DEPARTMENT OF APPLIED BIOLOGICAL SCIENCE



A study of fisheries ecology on four houndsharks species (Triakidae) in the central part of the Seto Inland Sea, Japan

KAMURA, Satoru (March 6, 2006 / Doctor of Agriculture)

Studies on physiological role of cells surrounding oocytes for maturation

KUMAMOTO, Kanako (March 6, 2006 / Doctor of Agriculture)

DEPARTMENT OF SCIENCES FOR BIOSPHERIC COEXISTENCE



Significance of Local Fish Circulation under Market Reorganization

SOEJIMA, Kumi (March 23, 2006 / Doctor of Agriculture)

The relationship between the psychological experiences and the event-related potentials to external tone stimuli during the sleep onset period

MICHIDA, Nanae (March 23, 2006 / Doctor of Philosophy)

Corporate environmental performance evaluation and its effects on economic performance

XIE, Shuangyin (March 23, 2006 / Doctor of Philosophy)

Psychophysiological study of the relationship between dreaming and brain potentials

related to the rapid eye movements during REM sleep

OGAWA, Keiko (March 23, 2006 / Doctor of Philosophy)

The difference in exercise posture influences cardiorespiratory responses of quadriplegics

HIGUCHI, Yukiharu (March 23, 2006 / Doctor of Philosophy)

Auditory monitoring system during human REM sleep

TAKAHARA, Madoka (March 23, 2006 / Doctor of Philosophy)

Disordered carbon systems studied by Ab Initio molecular–dynamics simulations
HARADA, Akiko (March 23, 2006 / Doctor of Philosophy)

**Study on the relationships between parenting stresses and perfectionism,
and rationalistic behavior and social acceptance, of child–rearing mothers**
NAGANUMA, Takami (September 30, 2006 / Doctor of Philosophy)

DEPARTMENT OF BIORESOURCE SCIENCE AND TECHNOLOGY

**Life cycle of the terrestrial spawning fish, *Andamia tetradactyla* (Pisces;
Blenniidae)**

Norio SHIMIZU (March 6, 2006 / Doctor of Agriculture)

Studies on the role and synthesis of leptin in cattle

HOSODA, Kenji (March 6, 2006 / Doctor of Agriculture)

**Study on effect of pork–liver protein hydrolysate on improvement in lipid
metabolism of fatty rats**

SHIMIZU, Munesige (March 23, 2006 / Doctor of Agriculture)

**Studies on the role of steroid hormone in the regulation of oocyte maturation in
cattle**

WANG, HaiFeng (March 23, 2006 / Doctor of Agriculture)

**Study on an aminopeptidase involved in the improvement of meat taste
during postmortem aging**

MIGITA, Koushiro (March 23, 2006 / Doctor of Agriculture)

Ecological studies of Japanese chironomid larvae on drought tolerance

SUEMOTO, Tetsuo (March 23, 2006 / Doctor of Philosophy)

**Studies on functional interaction of adrenal microsomal cytochrome P450s with
NADPH–cytochrome P450 reductase**

NIKFARJAM, Laleh (March 23, 2006 / Doctor of Philosophy)

**Heat transfer and quality characteristics of superheated steam treatment
combined
with far infrared heating**

AMATSUBO, Tomone (March 23, 2006 / Doctor of Agriculture)

**Studies on characteristics and utilization of kale juice residue
as a feedstuff for dairy cattle**

IEKI, Hajime (March 23, 2006 / Doctor of Agriculture)

**The reproductive ecology of the largemouth triplefinfish,
Ucla xenogrammus (Pisces: Tripterygiidae)**

FUJITA, Osamu (September 11, 2006 / Doctor of Agriculture)

Development of New Seasoning Liquids Fermented from Wheat Protein

INDOH, Kaoru (September 11, 2006 / Doctor of Agriculture)

Studies on stocking techniques of hatchery-reared black rockfish *Sebastes inermis* in the Seto Island Sea off Hiroshima Prefecture, Japan

MURAKAMI, Tomoya (September 30, 2006 / Doctor of Agriculture)

DEPARTMENT OF ENVIRONMENTAL DYNAMICS AND MANAGEMENT

A study of the role of arbuscular mycorrhizae on a coastal sand dune and a solfatara field

FUNATSU, Yuichi (March 6, 2006 / Doctor of Philosophy)

Effects of soil microbial biomass N on nitrate leaching and N supply

HERAI, Yoshinori (March 6, 2006 / Doctor of Agriculture)

Coevolution of the ladybird, *Harmonia axyridis*, and its male killing bacteria

NAKAMURA, Kayo (March 23, 2006 / Doctor of Philosophy)

Analysis of factors controlling response to salt stress in *Solanum* plants

SUWA, Ryuichi (March 23, 2006 / Doctor of Agriculture)

A study on the ecosystem structure of lower trophic level which may determine productivity of the sea

KAWAGUCHI, Osamu (March 23, 2006 / Doctor of Philosophy)

DISSERTATION PhD

Studies on analysis of factors controlling plant protein production in terms of plant nutritional physiology and plant molecular biology

Hany EL-SHEMY (March 6, 2006 / Doctor of Agriculture)

Functional roles of benthic microalgae in Suo Nada, the Seto Inland Sea, Japan.

Md. Jahangir Sarker (March 6, 2006 / Doctor of Agriculture)

Studies of the influence of electronic commerce on regional economy

– Progression to differentiation economy in Kagoshima –

HAGINO, Makoto (June 13, 2005 / Doctor of Philosophy)

Correlation between Membrane Undulation and Structure of a Stack of Bilayers

YAMADA, Norifumi (December 12, 2005 / Doctor of Philosophy)

The occurrence, distribution and fate of organochlorines in Korean environment and

the human intake from seafood consumption

Jae Ryoung Oh (December 12, 2005 / Doctor of Philosophy)

The Roles of Local Organizations in Multifunctional Community Development – Potentialities of Community-based Finance in the Mountain Areas of Nepal –

TATSUMI, Kazuko (June 26, 2006 / Doctor of Philosophy)

Studies on novel functions of sericin as a biomaterial

SASAKI, Masahiro (June 26, 2006 / Doctor of Agriculture)

Modelling of phosphorus and nitrogen cyclings in the estuarine ecosystem of Hiroshima Bay

KITWANICH, Jutarat (June 26, 2006 / Doctor of Philosophy)

Studies of the pesticide degradation on the surface and metabolism in the tomato plant

FUKUSHIMA, Masao (September 11, 2006 / Doctor of Agriculture)