

PhD Dissertation (December 2007 – September 2008)

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 ENVIRONMENTAL AND MATERIAL SCIENCE

**Changes in the uses of whale resources over time and small-scale coastal whaling
–Practical analysis based on the theories of food systems and multifunctionality–**
Aiko ENDO (March 23, 2008 / Doctor of Philosophy)

**The role of microfinance on poverty and vulnerability reduction for sustainable
development in Thai rural society**
Pornprapa SAKULSANG (March 23, 2008 / Doctor of Philosophy)

Importance of the adhesion of Edwardsiella tarda in its pathogenicity to fish
Mahmoud Mostafa MAHMOUD MOHAMED (March 23, 2008 / Doctor of Philosophy)

DEPARTMENT OF BIORESOURCE SCIENCE AND TECHNOLOGY <DEPARTMENT
OF BIORESOURCE SCIENCE>

—●
Studies on the innate immune functions in ovarian follicles of laying hens
Kalpana SUBEDI (March 23, 2008 / Doctor of Philosophy)

Studies on the mechanism of sperm survivability in the oviduct of laying hens
Shubash Chandra DAS (March 23, 2008 / Doctor of Philosophy)

DEPARTMENT OF BIORESOURCE SCIENCE AND TECHNOLOGY <DEPARTMENT
OF BIOFUNCTIONAL SCIENCE AND TECHNOLOGY >

—●
Analysis of the physiological function of xylanase inhibitors in rice.
Takaaki TOKUNAGA (March 4, 2008 / Doctor of Agriculture)

**Analyses of the effect of LIF to chicken ES cells and the novel germ line specific
marker**
Yusuke YAMASHITA (March 23, 2008 / Doctor of Agriculture)

Studies on the ribosome biogenesis factors localized in the nuclear envelope
Chihiro HORIGOME (March 23, 2008 / Doctor of Agriculture)

Studies on the regulation of ribosome biogenesis and sumoylation in budding yeast
Chiharu SHIRAI (March 4, 2008 / Doctor of Agriculture)

**Physical chemical study of molecular interactions and isomer- separation
processes of conjugated linoleic acids and medium-chain fatty acids**
Hidetaka UEHARA (March 23, 2008 / Doctor of Agriculture)

Studies on toxic dinoflagellates and toxification of bivalves in Hiroshima Prefecture
Rieko BEPPU (March 4, 2008 / Doctor of Agriculture)

Hydrostatic pressure-induced germination and inactivation of Bacillus spores
Yujin SHIGETA (March 23, 2008 / Doctor of Agriculture)

Texture evaluation, process and composition optimization of mayonnaise by dynamic viscoelasticity measurements
Kentaro MARUYAMA (March 23, 2008 / Doctor of Agriculture)

Study on viscoelastic behavior of liquid state food dispersions
Somchai KEAWKAIKA (March 23, 2008 / Doctor of Philosophy)

Studies on peroxisomal import system for catalase in plant
Yoshimi OSHIMA (September 8, 2008 / Doctor of Agriculture)

Study on the enzymes which involve in the degradation of cyclic maltosyl -maltose in Arthrobacter globiformis M6
Tetsuya MORI (September 8, 2008 / Doctor of Agriculture)

Study on environmental technology using yeasts, fungi and enzymes
Takashi WATANABE (September 30, 2008 / Doctor of Agriculture)

Studies on heat-response and sterilization of heat resistant fungi
Yutaka KIKOKU (September 30, 2008 / Doctor of Agriculture)

DEPARTMENT OF ENVIRONMENTAL DYNAMICS AND MANAGEMENT

Diversity and phylogenetic characteristics of culturable euryhaline halophilic bacteria based on sequen1 igh 713() (p) WinBT 16S rRNA gene, an associated regio fun1 ional gene
Ngoc-Phuc HUA (March 23, 2008 / Doctor of Philosophy)

Molecular ecological studi n g713() (p) n spatiotemporal dynamics of bacterial k y sj driving biogeochemical process in the ocean
Akito TANIGUCHI (March 23, 2008 / Doctor of Agriculture)

Studies on the biological characteristics of planktonic and benthic stages of the bloom causing giant jellyfish (Nemopilema nomurai) in the East Asian Marginal Seas
Masato KAWAHARA (March 23, 2008 / Doctor of Agriculture)

Relationship between nitrogen dynamics and vegetation in the wetlands of

Higashi–Hiroshima, West Japan

Azam Haidary MIANDOAB (March 23, 2008 / Doctor of Philosophy)

Behavior and photodecomposition of polycyclic aromatic hydrocarbons (PAHs) in the atmosphere of Higashi Hiroshima, Japan

Yasmin Tham Wai Fon (March 23, 2008 / Doctor of Philosophy)

Changes in soil microbial properties in the early stage of ecosystem development

Shinpei YOSHITAKE (March 23, 2008 / Doctor of Philosophy)

Study of environmental remediation using benthic microalgae and steel–making slag in an enclosed small inlet

Masami SUZUKI (March 23, 2008 / Doctor of Philosophy)

Nutritional physiological studies on responses and adaptations to drought stress and improving drought–tolerance in soybean plants

Nobuyuki NAKAYAMA (September 8, 2008 / Doctor of Agriculture)

DISSERTATION PhD



Studies on rheological properties of gelatinized modified starch suspensions

Hitoshi ASADA (December 27, 2007 / Doctor of Agriculture)

Salt secretion and the responses to excess magnesium in Rhodes grass (*Chloris gayana* Kunth)

Hidekazu KOBAYASHI (March 4, 2008 / Doctor of Agriculture)