Science and Technology Research Partnership for Sustainable Development (SATREPS)  
Annual Meeting 2014  
Development of Aquaculture Technology for Food Security and Food Safety  
in the Next Generation  
April 26, 2014, Bangkok, Thailand

08.30-9.00  REGISTRATION

OPENING CEREMONY

9.00-9.10  Welcome address  
Dr. Varin Tanasomwang  
Fisheries management Expert, Department of Fisheries

9.10-9.20  Address by Dr. Nobuaki Okamoto  
President of Tokyo University of Marine Science and Technology

9.20-9.30  Address by Dr. Kom Silapajarn  
Project Director, Department of Fisheries

9.30-9.40  Address by JICA representatives  
JICA Thailand Office

9.40-9.50  GROUP PHOTO

9.50-10.00  COFFEE BREAK

PRESENTATIONS 10:00 - 17:30

Output 1: Development of genetic and molecular markers for selective breeding at the molecular level

10.00-10.15  Dr. Takashi Sakamoto (TUMSAT)  
Progress report on Development of genetic and molecular markers for selective breeding at the molecular level - “Construction of sex-specific genetic linkage maps of kelp grouper (Epinephelus bruneus) based on microsatellite markers”

10.15-10.30  Dr. Atra Chaimongkol (DOF)  
Progress report on “Genetic improvement program for Asian seabass (Lates calcarifer)”
10.30-10.45  Mr. Satoshi Kubota (TUMSAT, DOF)
Progress report on “Research activity at Krabi CFRDC (Groupers)”

10.45-11.00  Dr. Putth Songsangjinda (DOF)
Progress report on “Development of white shrimp (*Litopenaeus vannamei*) broodstock to resist the impacts of climate change: extreme salinity variation and viral disease outbreak”

11.00-11.15  Dr. Suwit Wuthisuthimethavee (WU)
Progress report on “Broodstock management and genetic evaluation of black tiger shrimp”

**Output 2: Development of surrogate broodstock technology for aquaculture**

11.15-11.30  Dr. Goro Yoshizaki (TUMSAT)
Progress report on “Development of surrogate broodstock technology”

11.30-11.45  Dr. Surintorn Boonanuntanasarn (SU, DOF)
Progress report on “Development of surrogate broodstock technology for aquaculture”

**11.45-13:00  LUNCH**

**Output 3: Development of practical method for health and immunity management**

13.00-13.15  Dr. Ikuo Hirono (TUMSAT)
Progress report on “Development of practical method for health and immunity management”

13.15-13.30  Ms. Suwattana Visetman (CU)
Progress report on “Identification of YHV-responsive genes under relish regulation”

13.30-13.45  Dr. Walaiporn Charoensapsri (CU)
Progress report on “Functional characterization of gene/protein in regulation of shrimp proPO system and its role in antiviral mechanism”

13.45-14.00  Dr. Sataporn Direkbusarakom (WU)
Progress report on “Health management and disease control in shrimp”
14.15-14.30 Dr. Nontawith Areechon (KU)
Progress report on “Identify the antigen for functional vaccine”

14.30-14.45 Dr. Prapansak Srisapoome (KU)
Progress report on “Expression and function analyses of anti-bacterial proteins against pathogenic bacteria in Nile tilapia (Oreochromis niloticus)”

14.45-15:00 COFFEE BREAK

Output 4: Development of alternative protein source of fish meal and broodstock diet

15.00-15.15 Dr. Shuichi Satoh (TUMSAT)
Progress report on “Nutritional assessment of rendered animal protein sources in rainbow trout diet”

15.15-15.30 Ms. Nonglak Samranrat (DOF)
Progress report on “Develop completed formulated diet for broodstock”

15.30-15.45 Mrs. Piyarom Khongkhuem (DOF)
Progress report on “Identify the suitable product/material to replace fishmeal diet and develop prototype of alternative diet”

Output 5: Development of technology for detection and reduction of chemical hazards in aquaculture products

15.45-16.00 Dr. Kunihiko Futami (TUMSAT)
PXR-mediated gene expression in Nile tilapia Oreochromis niloticus hepatocytes exposed to pesticides

16.00-16.15 Dr. Tatsuya Yurimoto (JIRCAS)
Progress report on “Paralytic shellfish poisoning monitoring with an ELISA kit in bivalve aquaculture fisheries”

16.15-16.30 Ms. Chantana Kaewtapee (DOF)
Progress report on “Development of monitoring methods for LMG by ELISA kit in farmed fish and shrimp”

16.30-16.45 Dr. Sasimanas Unajak (KU)
Progress report on “Proteomics analysis liver and muscle of Nile tilapia (Oreochromis niloticus Linn.) exposed to xenobiotic”
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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tr>
<td>16.45-17.00</td>
<td>Dr. Wanchai Worawattanamateekul (KU)</td>
<td>Progress report on “Reduction of malachite green and leucomalachite green in water by using various adsorbents”</td>
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<td>17.00-17.15</td>
<td>Dr. Pongtep Wilaipun (KU)</td>
<td>Progress report on “Isolation and characterization of potential malachite green decolorizing bacteria from Thai aquaculture sources”</td>
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<td>17.15-17.30</td>
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<td>General discussion</td>
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