

EXPERT'S PROFILE

Name of Grantee : ZENITH GAYE A. OROZCO, PhD
Area of Expertise : Aquaculture, Aquatic Biosciences
Inclusive Date of Contract as BSP Awardee : Short Term (May 15-August 13, 2018)
Host Institution : University of the Philippines Diliman
Marine Science Institute



EDUCATIONAL BACKGROUND

- **Ph.D. Aquatic Biosciences**, The University of Tokyo, Japan, 2017
- **M.Sc. Aquaculture**, Ghent University, Belgium, 2010
- **B.Sc. Chemistry**, University of the Philippines Visayas, Iloilo, Philippines, 2000

PROFESSIONAL EXPERIENCE

- 2017-2018 **Post-doctoral Research Fellow/Project Researcher**
Laboratory of Aquatic Animal Physiology
Department of Aquatic Biosciences
The University of Tokyo, Japan
- 2011-2013 **Research Fellow**
Japan International Research Center for Agricultural Sciences
SEAFDEC, Tigbauan, Iloilo, Philippines
- 2003-2011 **Senior Technical Assistant**
Japan International Research Center for Agricultural Sciences
SEAFDEC, Tigbauan, Iloilo, Philippines
- 2003-2008 **Research Assistant**
SEAFDEC, Tigbauan, Iloilo, Philippines

TO BE ACCOMPLISHED AS A BSP AWARDEE

1. Conduct seminar presentations on amino acid transporters in the intestine of fish
 - a. Gene expression and tissue distribution of amino acid transporters
 - b. Effect of nutrient conditions on the gene expressions of amino acid transporters
2. Lectures/Workshop for students on fish tissue collection and tissue preparations for RNA extractions
3. Develop improved protocol for in vitro analysis of amino acid absorption using intestinal sac method
4. Draft research proposals for long term projects
5. Plan collaborative projects with other institutions (i.e. UP Visayas and Central Luzon State University)
6. Mentor students on their research activities