

EXPERT'S PROFILE

Name of Grantee : Zenith Gaye A. Orozco-Bautista, PhD
Area of Expertise : Aquatic Bioscience, Nutrigenomics,
Fish Nutrition and Physiology
**Inclusive Date of Contract
as BSP Awardee** : January 2020-December 2021
(Long-Term engagement)
Host Institution : Institute of Biology
University of the Philippines – Diliman
E-mail Address : zenithgaye@gmail.com



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 EXPERIENCES

Assistant Professor (August 2018 – present)
Institute of Biology, University of the Philippines, Diliman, Quezon City

Short Term Balik Scientist (May-August 2018)
Awarded by DOST-PCAARRD
Host Institution: UP – Marine Science Institute, Diliman, Quezon City

Post-doctoral Research Fellow/Project Researcher (2017-2018)
Laboratory of Aquatic Animal Physiology
Department of Aquatic Biosciences
The University of Tokyo, Japan

Research Fellow (2011-2013)
Japan International Research Center for Agricultural Sciences
SEAFDEC, Tigbauan, Iloilo, Philippines

Senior Technical Assistant, (2003-2011)
Japan International Research Center for Agricultural Sciences
SEAFDEC, Tigbauan, Iloilo, Philippines

Research Assistant (2003-2008)
SEAFDEC, Tigbauan, Iloilo, Philippines

To Be Accomplished as a BSP Awardee (Deliverables):

- Establish research in Nutrigenomics of Aquatic Animals RNA Laboratory
- Engage in research reinforcing the research agenda of UP-IB:
 - a) Distribution and gene expression of amino acid transporters in the intestines of tilapia in response to nutrient condition
 - b) Effect of supplementation of essential amino acid methionine, lysine and tryptophan in feeds on the expression of amino acid transporter in tilapia
- Prepare research proposals and papers for publication
- Mentor undergraduate and graduate students as thesis advisor or co-advisor
- Serve as faculty member in the area of Animal Physiology at UP-IB
- Assist in the improvement of fish biology laboratory of UP-IB
- Establish networks and linkages