

## **EXPERT'S PROFILE**

**Name of Grantee :** **MARIA ROSARIO M. DIAZ, PhD**  
**Area of Expertise :** Molecular Biology (Algae Research), Bioinformatics,  
Biochemistry (Food and Biofuel)  
**Inclusive Dates of Contract :** Short-Term Program  
**as BSP Awardee** 19 November 2013 - 17 February 2014  
**Host Institution :** University of the Philippines Los Baños  
**Email Address :** ichiediaz@sbcglobal.net

## **EDUCATIONAL BACKGROUND**

**Postdoctoral Fellowship**, Nagoya University, 1992  
**PhD in Biology**, Laboratory of Molecular Genetics, Nagoya University, 1991  
**MS in Biology**, Laboratory of Molecular Genetics, Nagoya University, 1988  
**Research Student**, Cancer Research Laboratory, School of Medicine  
Nagoya University, 1985  
**BS in Biology (Genetics)**, University of the Philippines, 1982

## **PROFESSIONAL EXPERIENCE**

2010 - 2011 **Vice President for Research**  
BioPhil Technologies, Inc.

2007 **Associate Faculty (Biology)**  
West Valley College

2005 - 2006 **Training Specialist II**  
Bayer Corporation

2000 - 2004 **Instructor (Biology)**  
The Harker School

1998 - 2002 **Associate Faculty (Biology)**  
West Valley College

1996 - 1998 **Research Associate III**  
RiboGene, Inc.

1994 - 1996 **Research Associate**  
Roche BioScience

1990 - 1991 **Assistant Professor**  
1982 - 1990 **Instructor (Biology)**  
1982 - 1985 **Research Project Leader**  
University of the Philippines

**TO BE ACCOMPLISHED AS BS AWARDEE :**

- a) Produce a list of identified algal species and microalgal strains which is important for phylogenetic studies, biodiversity analysis, screening, gene manipulation studies, biotechnology research, biofuels industry, and other commercial purposes;
- b) Microalgae sampling kit for the Germplasm Center -- a standard operating procedure for the identification of microalgae in the Germplasm Center;
- c) Training module/s to be used by the trained algae experts who will conduct seminar workshops in the future;
- d) Protocol for Direct Colony Polymerase Chain Reaction (DC PCR) for Microalgal Taxonomy; and
- e) Manual for DC PCR for Microalgae Taxonomy for distribution to interested institutions.