

## EXPERT'S PROFILE

**Name of Grantee** : JOSE MARIA REYNALDO APOLLO C. ARQUIZA, Ph.D.  
**Area of Expertise** : Biotechnology & Food Processing  
**Inclusive Date of Contract as BSP Awardee** : Short-Term Program  
: 15 January - 21 April 2015  
**Host Institution** : Food and Nutrition Research Institute (FNRI)  
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### EDUCATIONAL BACKGROUND

- **Ph.D. in Biological & Environmental Engineering**, 2012, Cornell University, NY, U.S.A
- **MS Chemical Engineering**, University of the Philippines Diliman
- **BS Chemical Engineering**, University of the Philippines Los Baños
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### WORK EXPERIENCES

- 2012 – present  
**Dept. of Biological & Environmental Engineering, Cornell University**  
Postdoctoral Associate  
Visiting Lecturer (2012)  
**Sibley School of Mechanical and Aerospace Engr'ng, Cornell University**  
Visiting Lecturer (2014)
- 2005 - 2012  
**Dept. of Biological & Environmental Engineering, Cornell University**  
Graduate Research Assistant  
Graduate Teaching Assistant (2009, 2012)
- 2003 – 2005  
**Dept. of Horticulture, Cornell University**  
Research Technician  
Internet-based Course Development Assistant (2005)
- 2003  
**Dept. of Horticulture, Cornell University**  
Laboratory & Field Assistant
- 1990 - 2002  
**Dept. of Chemical Engineering, University of the Philippines Los Baños**  
Instructor and Assistant Professor
- 1994 – 1995  
**Technical Consultant**  
TechnoQuest Corporation
- 1990 – 1996  
**Institute of Chemistry, University of the Philippines Los Baños**  
Affiliate Instructor

### To be Accomplished as a BSP Awardee

1. Report on evaluation of local products that can be made into shelf-stable food for disasters and reasons for choosing them as Sites 1 & 2
2. Experimental plan for processing of the recommended local products for optimum nutritional content, acceptability and storage life
3. Characterization of commodity to be used for product development and Nutrient analysis of raw materials
4. Draft of research proposal for large-scale project
5. Printed copy of report on experimental work conducted
6. Status report on site visits to food processing facilities.
7. Prototype of product and equipment
8. Printed copy of full blown proposal for possible DOST-GIA funding
9. Preliminary design of pilot-scale processing equipment for testing