

## 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  
: 01 July to 10 August 2017 (41 days)  
: 11 May to 30 June 2018 (49 days)  
**Host Institution** : Food and Nutrition Research Institute (FNRI) and  
University of Southeastern Philippines (USEP)  
**Contact Number** : (+1) (607) 379 9111  
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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

### 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

### Accomplishments of BSP Awardee

#### (FNRI)

1. Highlights of the consultation meeting
2. Report on FNRI products and processing technologies for mathematical modeling
3. Report on mathematical modeling and simulation of selected FNRI products and processing technologies
4. List of FNRI researchers mentored
5. Draft of papers with mathematical models for publication
6. Conduct workshop on: Mathematical modeling of Food processing operations
7. Packaged proposal for the development of a mathematical modeling facility for FNRI Technology Transfer submitted for funding

**(USeP)**

1. Conducted orientation and meetings with USeP faculty
2. Recommendations on curriculum or course changes that will include mathematical modeling
3. Evaluated Engineering curriculum
4. Recommendation report on applying mathematical modeling, instrumentation, and engineering design for the project
5. Report on contributions to project
6. Conduct seminar and workshops to researchers, faculty and students from USeP and Region XI
7. Mentoring of faculty and researchers on how to prepare research proposals to funding agencies
8. Mentoring/Collaboration with faculty and researchers on writing papers for publication
9. Drafted papers with mathematical models for publication
10. Mentoring of graduate/undergraduate students on thesis research