

EXPERT'S PROFILE



Name of Grantee : **FIORELLO B. ABENES**
Area of Expertise : Animal Science, Biofuel
Inclusive Date of Contract as BSP Awardee : Short-Term Program
01 November 2013 – 31 January 2014 (3 months)
Host Institution : Mariano Marcos State University (MMSU)
Contact Number : 1-951-926-6366
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EDUCATIONAL BACKGROUND

- **MBA Studies (48 units completed)**, 2006, California State Polytechnic University Pomona, California
- **PhD in Animal Science**, 1975, University of Connecticut, Storrs, Connecticut, USA
- **MS in Animal Industries**, 1971, University of Connecticut, Storrs, Connecticut, USA
- **BS Agricultural Education**, 1969, Central Luzon State University, Nueva Ecija, Philippines

WORK EXPERIENCES

- 2006 – Present **Agricultural Modernization, Manila, Philippines**
International Consultant
- 1987 – 2006 **California State Polytechnic University, Pomona, California**
Professor
- 1984 – 1986 **Olds College Academic Council and the Alberta Multiculturalism Council**
Faculty Member
- 1979 – 1984 **Alberta Agriculture**
Regional Swine Specialist
- 1977 – 1979 **Cargill Hybrid Swine, Mt. Lehman, British, Columbia**
Production Coordinator and Reproductive Physiologist
- 1975 – 1977 **University of the Philippines Los Baños, Laguna**
Assistant Professor
- 1969 – 1975 **University of Connecticut, Connecticut, USA**
Teaching and Research Assistant

TO BE ACCOMPLISHED AS A BSP AWARDEE

1. Inception meetings with host institutions and counterpart researchers/faculty/scientist
2. Conduct of trial test run of the hydrous ethanol biofuel blends with MMSU under the DOE and DOST I research funding
3. Concept design/prototyping of village scale bioethanol plant to be established in PhilRice farmer cooperators
4. Demonstration and training of farmers on bioethanol production and blending
5. On-farm test run of hydrous ethanol flex fuel at PhilRice experimental stations
6. Establish set up to optimize protocol on the use of rumen microflora for ethanol production in single stage consolidated process (rumen co-cultured with yeast)
7. Explore and develop protocol for 4th generation ethanol