

## EXPERT'S PROFILE

**Name of Grantee** : Ariel V. Melendres, Ph.D,  
**Area of Expertise** : Chemical Engineering  
**Inclusive Date of Contract as BSP Awardee** : (Short-Term Program)  
Sept. 26 – October 8, 2012 (13 days)  
**Host Institution** : Department of Chemical Engineering, CEAT, UP Los Baños  
**Contact Number** : (049) 536-2315  
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### EDUCATIONAL BACKGROUND

- **PhD in Chemical Engineering**, Tokyo Institute of Technology, 1993
- **MS in Chemical Engineering**, University of the Philippines, Diliman, Quezon City, 1988
- **BS in Chemical Engineering**, Technological Institute of the Philippines, Manila, 1981

### WORK EXPERIENCES

- 2004-Present **R&D Manager**  
Shanghai DSG Mega Thin, Co. Ltd.  
Shanghai, China
- 2002-2004 **Technical Manager**  
Japan Absorbent Technology Institute (JATI)  
Tokyo, Japan
- 1996-2002 **R&D/Process Manager**  
PHINMA, Manila
- 1996-2002 **Associate Professor**  
De La Salle University, Manila
- 1995-1996 **Senior Scientist**  
ECOLAB  
Tokyo, Japan
- 1993-1995 **Project Manager**  
UNILEVER  
Tokyo, Japan

### To Be Accomplished as a BSP Awardee

1. Present lectures to BS Chemistry/BS Chemical Engineering students and researches about the properties, applications and manufacture of super absorbent polymers and related materials and its methodologies/applications;
2. Demonstrate the technological applications of super absorbent polymers and related materials; and
3. Gather and analyze experimental results on the use of locally-produced chemicals on controlled properties of super absorbent polymers.
4. Identify possible collaborative research undertakings of the UPLB Department of Chemical Engineering in the field of natural science particularly in the area of polymeric materials and its application.