

EXPERT'S PROFILE

Name of Grantee : ENGR. MARIO D. CASTILLO

Area of Expertise : Chemical Engineering

Inclusive Date of Contract as BSP Awardee : June 11-August 09, 2012
Short-Term Program

Host Institutions : Chemical Engineering Department
University of the Philippines Diliman

Contact Details : mariocastillo777@att.net



EDUCATIONAL BACKGROUND

- MS Chemical Engineering, University of California, Berkeley, 1979
- BS Chemical Engineering, University of the Philippines, 1964

WORK EXPERIENCE

- **2010 - present** - **BioPhil Technologies (BioFuels & BioChemicals)**
VP, Process Development & Engineering
- **2004 - 2010** - **Principal Engineer / Director**
R&D, Process & Product Development
Amgen, Inc. (Biotechnology)
- **2002 – 2004** - **Sr. Staff Engineer / Group Leader**
R&D, Process Development & Engineering
Johnson & Johnson - Pharmaceutical & Biotechnology
- **2000 - 2002** - **Sr. Staff Engineer / Associate Director**
Process Development & Engineering
Nektar Therapeutic Systems (Bio-Pharmaceutical)
- **1995 – 2000** - **Process Group Manager**
Process Development & Engineering
Oil-Dri Corp. (Sorbents & Specialty Chemicals)
- **1991 - 1994** - **Principal Engineer / Group Manager**
Process Development & Engineering
Tronox / Kerr-McGee Corporation (Specialty Chemicals)
- **1975 – 1990** - **Sr. Staff Engineer / Group Leader, Staff Engineer, Process Development Engineer, Process Design Engineer**
Process Engineering & Manufacturing, Process Development
Union Carbide / Dow
- **1968 - 1973** - **Process Development Assistant**
Process Development
Chevron Chemical Company

Expected Outputs as BSP Awardee (Deliverables):

1. Firmed-up syllabus for ChE 297 (Modern Biotechnology for Engineers);
2. Lecture notes for ChE 297 for each meeting;
3. Training 2-3 faculty in handling the course;
4. Plan for the development of the Bioengineering Laboratory; and Seminar notes on "New Developments of Bioengineering".