

EXPERT'S PROFILE

Name of Grantee : Dr. Abigail P. Cid
Area of Expertise : chemistry, environment, hydrosphere, oceanography & Limnology
Inclusive Date of Contract as BSP Awardee : Short-Term Program
: 15 July - 12 October 2016 (90 days)
Host Institution : Isabela State University
Batangas State University
E-mail Address : cidabigail@gmail.com



EDUCATIONAL BACKGROUND

- **D.Sc. Chemistry**, 2012, Kyoto University, Japan
- **MS Chemistry**, 2004, UP Diliman, Quezon City
- **BS Chemistry**, 2007, Polytechnic University of the Philippines (PUP), Manila

WORK EXPERIENCES

- 2014 – 2016 **Center for Ecological Research, Kyoto University, Japan**
Research Affiliate
- 2014 – 2015 **International College, Osaka University, Japan**
Lecture/Adjunct Assistant Professor
- 2014 - 2015 **National Institute for Humanities, Japan**
Project Research Associate
- 2012 – 2014 **Center for Ecological Research, Kyoto University, Japan**
Teaching/Research Associate
- 2011 – 2012 **Institute of Chemical Research, Kyoto University, Japan**
Research Assistant
- 2006 – 2007 **Institute of Chemistry, UP Diliman**
Instructor
- 2001 – 2006 **Dep't of Natural Sciences - PUP**
Instructor
- 2001 – 2006 **Dep't of Chemistry- Far Eastern University**
Instructor
- 1999 – 2001 **Integral Chemical Corporation, Philippines**
R&D Chemist
- 1999 – 2001 **Integral Chemical Corporation, Philippines**
R&D Chemist

To be Accomplished as a BSP Awardee

Isabela State University

1. Lecture and seminars to faculty members, researchers, students, and/or to the general public:
 - Theories and technologies on climate change studies
 - Biogeochemical cycle of nutrients
 - Trace elemental analysis of sea water
 - Environmental analysis
 - Constructing solid phase extraction preconcentration set-up, clean booth
Clean trace analysis using ICP MS

2. Conduct workshop on :
 - Solid phase extraction
 - construction of improvised solid phase extraction (SPE) manifold for trace elemental analysis in water samples
 - construction and assembly of clean bench
 - ICP MS
 - scientific writing and submission of articles to International Journals
 - field sampling techniques
3. Assist the current faculty in mentoring:
 - PhD students conducting research in agricultural science
 - MS students conducting research in chemistry
4. Prepare research grant (with assistance from faculty members) proposal/s for possible funding from the DOST and other funding institutions on:
 - Environmental protection and ecological sustainability in Isabela
 - Climate change and its effect to Cagayan river indigenous fishes
5. Conduct collaborative research and provide technical assistance to faculty, staff, and students in writing scientific manuscripts for possible submissions to ISI-indexed journals.
6. Assistance to projects:
 - DOST-funded project entitled “Nationwide Detailed Resources Assessment using LIDAR” & “Hazard Mapping of the Philippines using LIDAR”
 - DA-BAR funded project entitled “Organic Farming as Soil Quality Management and Enhancement: As Strategy Adaptation to Climate Change & Vulnerability”
7. Science outreach activities
 - Chemistry and everyday life
 - Careers in S&T (hands on learning activities)
 - Disaster prevention drill

Batangas State University

8. Assist faculty members in the preparation of research grant proposal/s for possible funding from the DOST and other funding institutions on:
 - Assessment of water quality resources in CALABARZON
 - Production of biohydrogen from indigenous cellulosic material by dark fermentation
 - Fabrication of battery cathode material based on by product of paper making industry lignin
 - Preparation of PV Am/PSf composite hollow fibers by flue gas applications
9. Conduct workshop on :
 - Solid phase extraction
 - Inductively Coupled Plasma Mass Spectrophotometry
10. Assistance to projects:
 - DOST-funded project “Development of Frozen Makapuno as Intermediated Raw Material for Food Processing”
 - Externally funded projects focused on coral reef assessment and monitoring, coastal resource assessment and monitoring, enhancing marine protected area management effectiveness, floral diversity of beach forest, water quality assessment and lake management