

EXPERT'S PROFILE

Name of Grantee : Charissa M. Ferrera, PhD

Area of Expertise : Chemistry, Biogeochemistry
Marine Science

Inclusive Date of Contract as BSP Awardee : March-September 2019 (180 days)
(Short-Term engagement)

Host Institution : Marine Science Institute
University of the Philippines Diliman

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EDUCATIONAL BACKGROUND

- PhD Mechanical and Environmental Informatics, Tokyo Institute of Technology, Japan, 2016
- MS Marine Science, University of the Philippines, Diliman, Quezon City, Philippines, 2012
- BS Chemistry, University of the Philippines, Diliman, Quezon City, Philippines, 2004

Professional Experiences

University Researcher IV (January, 2017 – April, 2018; November – December, 2018)
Marine Science Institute, University of the Philippines Diliman

Senior Science Research Specialist (May – October, 2018)
Marine Science Institute, University of the Philippines Diliman

Consultant (2016-2018)
Marine Science Institute, University of the Philippines Diliman

Research Assistant (2005-2012)
Marine Science Institute, University of the Philippines Diliman

To Be Accomplished as a BSP Awardee (Deliverables):

Research

- Participate in field works and other activities of on-going projects. Help ensure the quality of measurement in on-going projects
- Assist in compiling the process workflows and SOPs in chemical oceanography for possible publication into a book
- Help develop research proposals for continuing projects and possible future projects
- Submit at least one manuscript related to ocean acidification to Thomson Reuters (formerly ISI) or Scopus indexed journal

Extension

- Conduct science communication on relevant coastal and marine problems (i.e. ocean acidification, eutrophication due to mariculture)
- Lead in organizing, management and analysis of ocean acidification data and metadata
- Attend conferences and symposiums