

EXPERT'S PROFILE

Name of Grantee : Josefino C. Comiso, PhD

Area of Expertise : Physics, Climate Change

Inclusive Date of Contract as BSP Awardee : February 22 – March 29, 2019 (36 days)
Short-Term engagement

Host Institutions : University of the Philippines Diliman
Institute of Environmental Science and Meteorology

Contact Details : josefino.c.comiso@nasa.gov



EDUCATIONAL BACKGROUND

- Ph. D. Physics, University of California at Los Angeles, 1972
- M.S. Physics, Florida State University, Tallahassee, 1966
- B.S. Physics, University of the Philippines, 1962

Professional Experiences

Senior Scientist (1999 - Present)

Cryospheric Sciences Branch, National Aeronautics and Space Administration

Physical Scientist (1979 – 1999)

Goddard Space Flight Center, National Aeronautics and Space Administration

Senior Member of the Technical Staff (1977 – 1979)

CSC

Research Associate (1973 – 1977)

University of Virginia

Assistant Research Physicist (1972 – 1973)

University of California - Los Angeles

Instructor (1963 – 1964)

University of the Philippines

Scientist (1962 – 1963)

Philippine Atomic Research Center, Quezon City, Philippines

To Be Accomplished as a BSP Awardee (Deliverables):

- Study large-scale physical and biological characteristics of different crops as uniquely revealed in high resolution data and how they can change from one year to another;

- Do ground measurements to study the chlorophyll content and photosynthetic function of vegetation as related to its productivity
- Compare performance of vegetation indices developed for drought studies and determine which one is most suitable for application in the Philippines
- Conduct additional analysis for Sierra Madre deforestation and complete the article for publication