

RAYMOND JESS GRABADOR GOLIAT

Home address: 12B4 Banuyo St. Brgy. Amihan, Project 3, Quezon City 1109

Tel. Nos.: **09209684950 / 09214395181**

E-mail Addresses: rggoliat@up.edu.ph / mundoy13@gmail.com

OBJECTIVE

To utilize and apply my technical capabilities and knowledge in the field of Meteorology and Mathematics for the development and advancement of the community towards resiliency and sustainability through technological and scientific progress.

EXPERIENCE

MAR 2021 – PRESENT

Institute of Environmental Science & Meteorology, University of the Philippines – Diliman

Junior Research Associate

- Responsible in maintaining the Synoptic Laboratory.

JUN 2020 – DEC 2020

Sustained Support for Local Space Technology and Applications Mastery, Innovation and Advancement - Project 5: Advanced Satellite Development and Know-How Transfer for the Philippines (**STAMINA4Space Project 5**)

Project Assistant III

- Performed administrative tasks for the implementation of the project.

MAY 2018 – MAR 2020

Smarter Approaches to Reinvigorate Agriculture as an Industry in the Philippines: Project 2.6 Drought and Crop Assessment and Forecasting Phase 2 (**DCAF 2**)

Science Research Specialist II

- Performed technical and administrative tasks for the implementation of the project.
- Performed Ground validation of satellite derived environmental parameters in improving Agricultural Drought forecast and responses using different field sensors.
- Conducted lectures and trainings on Basic Remote Sensing and GIS, Seasonal Rainfall Patterns, Agricultural Drought, and Operation of different field sensors.
- Prepared Technical Reports, Financial Reports and other administrative documents.

Graduate Assistant

- Performed Ground validation of satellite derived environmental parameters in validating and improving Agricultural Drought forecast and responses using different field sensors.
- Assisted in implementing technical tasks and preparing technical reports

IAN 2017 – FEB 2018

Philippine Coral Reef and Mangrove Remote Sensing (**PhilCoMaRS**)

Senior Research Assistant

- Performed coral mapping in selected coastal areas over the Philippines by processing multi-spectral images (Landsat) to detect coral reefs using ENVI and ArcGIS.

OCT 2016 – DEC 2016

Development of Philippine Scientific Earth Observation Microsatellite (**PHL-MICROSAT**): Remote Sensing Products Development (**Project 5**)

Science Research Specialist I

- Ground validation of satellite derived environmental parameters using different field sensors, both water and land covers.

APR 2016 – SEP 2016

Coral Reef Visualization and Assessment Program: Project 9: Remote Sensing of Coastal Habitats and Stressors (**CoRVA 9**)

Senior Research Assistant

- Performed seagrass detection in selected NIPAS areas by processing Landsat multispectral images from different periods using ENVI and ArcGIS.
- Conducted training on seagrass detection

MAR 2016

Development of Philippine Scientific Earth Observation Microsatellite (**PHL-MICROSAT**) Remote Sensing Product Development (**Project 5**)

Science Research Specialist I

- Performed ground validation of Diwata's multiband images over different types of land covers.

SEP 2015 – MAR 2016

Drought and Crop Assessment and Forecasting Project (**DCAF**)

Science Research Specialist I

- Performed both administrative and technical tasks.
- Conducted drought reconnaissance and validations in different areas over the Philippines during the 2015-2016 El Niño using ground sensors and key informant interviews.
- Prepared Financial Reports and other administrative documents

EDUCATION

2016 – Present

Master of Science in Meteorology Student (31 units)

Institute of Environmental Science and Meteorology

University of the Philippines - Diliman, Quezon City

- College Scholar: 1st Sem AY: 2016-2017
- University Scholar: 1st Sem AY: 2017-2018

2008 – 2013

Bachelor of Science in Mathematics

Institute of Mathematics

University of the Philippines – Diliman, Quezon City

- Under-graduate thesis “A Mathematical Model Describing Toxin Dynamics in Hemodialysis Patients Considering Different BMIs and Weight Loss” presented at the 10th Taiwan-Philippines Symposium on Analysis.

2004 – 2008

Philippine Science High School – Eastern Visayas Campus (Secondary)

TRAININGS, WORKSHOPS, SEMINARS, and CONFERENCE

JUN 2021

Understanding Lightning and Thunderstorm (ULAT) Project Online Training,
Quezon City.

SEP 2019

8th Annual Conference on Environmental Science (8th ACES)

Mindanao State University, Tawi-Tawi

"Relationship of Philippine rainfall with SST of surrounding basins" (Oral Presentation)

Raymond Jess G. Goliat and Gay Jane P. Perez

NOV 2018 – DEC 2018

PAGASA-WFP Training-Workshop on Building Capacities of PAGASA Technical Staff to Provide Better Climate Monitoring and Prediction Services

Marco Polo Hotel, Meralco Avenue, Pasig City

MAY 2018 – JUN 2018

Land Cover/Land Use Changes (LC/LUC) and Impacts on Environment in South/Southeast Asia - International Regional Science Meeting

Richmond Hotel, Eastwood, Libis, Quezon City

NASA Land Cover / Land Use Change (LC/LUC) SARI Advanced Training in Remote Sensing and Geospatial Technologies.

Institute of Environmental Science and Meteorology

University of the Philippines – Diliman, Quezon City

FEB 2018

Remote Sensing on Meteorology and Agriculture: Applications and Research Opportunities.

"Indicators of Ocean Moisture Contribution on Terrestrial Rainfall: Application of Satellite Meteorology". (Resource Speaker)

Bicol University, Legazpi City, Albay.

NOV 2016

PCI Geomatics Training: Introduction to Geomatics

Institute of Environmental Science and Meteorology

University of the Philippines – Diliman, Quezon City

NOV 2016

**The 23rd Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-23)
"Building a Future through Space Science and Technology and Innovation"**

DOST-PCIEERD, MEXT, and JAXA

AUG 2016

Introduction to ENVI Analytics

GEODATA Systems Technologies, Inc.

MAR 2016 – APR 2016

ASD Fieldspec 4 equipment and application training on Remote Sensing and Field Spectrometry

ASD, Inc. and DKSH Philippines, Inc.

OCT 2015

The 36th Asian Conference on Remote Sensing – "Fostering Resilient Growth in Asia"

Quezon City, Metro Manila

OCT 2015

Procurement Seminar-Workshop on Research and Development

National Institute of Physics

SKILLS and OTHER DATA

Eligibility: Professional Level – Civil Service Commission (March 18, 2018)

Software: Matlab, R/RStudio, Python, LaTeX, C/C++, Scilab, ENVI, ArcGIS, SNAP, Basic SeaDAS, Basic QGIS, Geomatica, RegCM

Field Equipments:

Ocean View (Spectral Signature)

ASD Field Spectrometry (Spectral Signature)

Li-Cor 2200C and FV2200 (Leaf Area Index)

Other:

- Written and verbal language: English and Filipino.
- Proficient in MS Office (Word, Excel, PowerPoint, Publisher, etc.).
- Possess good analytical and programming skills.
- High aptitude in learning new skills and knowledge, as well as enhancing current capabilities.
- Strong sense of volunteerism and national development

Interests: traveling, island hopping, swimming, biking, and cooking

References:

- Gay Jane P. Perez, Ph.D.
Associate Professor
Institute of Environmental Science and Meteorology
University of the Philippines – Diliman Quezon City
gpperez1@up.edu.ph
- Olivia C. Cabrera, Ph.D.
Associate Professor
Institute of Environmental Science and Meteorology
University of the Philippines – Diliman Quezon City
ocabrera@iesm.upd.edu.ph
- Lemnuel V. Aragones, Ph.D.
Professor
Institute of Environmental Science & Meteorology
University of the Philippines – Diliman Quezon City
laragones@iesm.upd.edu.ph