

Omar B. Soberano

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Dao Street, Poblacion, Mabinay, Negros Oriental, Philippines 6207

EDUCATION	2021-2022
Research Student Akita University – Akita, Japan MEXT Scholar (October 2021 - March 2022) Research topic: "Mineralization characteristics and ore-forming conditions of the Hokuryu gold deposit in Omu, Hokkaido, Japan" (Supervisor: Ryohei Takahashi, PhD)	
Master of Science in Geology University of the Philippines – Diliman, Quezon City, Philippines University Scholar (Research Staff), 3 semesters Specialization: Economic Geology Graduate Thesis: "Mineralization characteristics and style of the Suyoc prospect and their implications for the southern Mankayan Mineral District, Northern Luzon, Philippines" (Adviser: Jillian Aira S. Gabo-Ratio, DEng)	2017-2020
Bachelor of Science in Geology Negros Oriental State University, Dumaguete City, Philippines Government Scholar (Department of Science and Technology) On the Job Training: Freeport-McMoran Cu-Au exploration at Sagay City, Philippines	2012-2016
WORK EXPERIENCES	2017-2018
University of the Philippines – Diliman, Quezon City, Philippines University Research Associate (Supervisor: Jillian Aira S. Gabo-Ratio, DEng) Geological mapping and underground vein investigation <ul style="list-style-type: none">Conducted 1:5,000 geological mapping at hydrothermally-mineralized areaDescribed the attitude and macroscopic characteristics of underground veinsConducted petrographic analysis to rocks and vein samples collectedProduced a 1:5,000 geologic map for ~25km² area Fluid inclusion and geochemical analyses <ul style="list-style-type: none">Conducted fluid inclusion petrography and microthermometry for salinity and homogenization temperature of Au-bearing veinsPerformed mineral chemistry analysis to sphalerite crystals using Electron Probe Microanalyzer (EPMA) for FeS mole % compositionPerformed X-ray diffraction analysis to altered wallrocks of veins to determine clay mineral assemblageInterpreted oxygen, hydrogen, and sulfur stable isotope data for fluid evolution of veins Philippine Institute of Volcanology and Seismology, Quezon City, Philippines Science Research Analyst (Project leader: Rommel Grutas, PhD) Geophysical survey <ul style="list-style-type: none">Performed refraction microtremor and microtremor array surveys in urban areas Geophysical data processing <ul style="list-style-type: none">Performed processing of refraction microtremor signals using software i.e., ReMidDisper 4.0 and ReMiVspectv 4.0 Community workshop <ul style="list-style-type: none">Presentation and workshop for Local Government Units about ground period microzonation map in Cebu City, Philippines	2018

SCIENTIFIC CONFERENCE PRESENTATIONS	Oral Presentations SEG Travel Lecturer Series and Earth Science Colloquium: Critical Metals Quezon City, Philippines Presentation title: "Mineralization style of the Suyoc epithermal prospect, Mankayan Mineral District, Northern Luzon, Philippines"	2019
	GEOCON 2017, Geologists: Partners for Common Good and Social Justice Makati City, Philippines Presentation title: "Mineralization characteristics of the Suyoc epithermal prospect, Mankayan, Benguet, Philippines"	2017
	14 th NIGS Research Symposium, Paladutaan 2017: New Perspectives Quezon City, Philippines Presentation title: "Mineralization characteristics of Suyoc epithermal prospect, Mankayan, Benguet, Philippines"	2017
	Poster Presentation Challenges and Opportunities for Environmental Sustainability: Hunt for Ore Deposits Baguio City, Philippines Presentation title: "Epithermal mineralization characteristics of the Suyoc epithermal gold prospect, Mankayan Mineral District, Benguet, Philippines"	2017
TRAINING AND WORKSHOP	Kyushu University, Fukuoka Prefecture, Japan Japan Student Service Organization Student Exchange Program <ul style="list-style-type: none">Practiced fluid inclusion analysis, X-ray Diffraction analysis, XRF analysis, and SEM-EDX analysis IR-ODEX 2nd International short course, Tehran, Iran Base and Precious Metal Deposit Models and Exploration <ul style="list-style-type: none">Lecture by Jeffrey Hedenquist: "Epithermal Gold Deposits Formation and Exploration"Lecture by Fernando Tornos: "Magnetite-Apatite and IOCG Deposits"Lecture by Steve Garwin: "Regional Controls, Geology, Geochemical Expression and Geophysical Signature of Global Porphyry Cu-Au Deposits"	2017
PUBLICATION	Soberano, O.B., Gabo-Ratio, J.A.S., Queaño, K.L., Dimalanta, C.B., Yumul, G.P., Jr., Andal, E.S., Yonezu, K., Boyce, A.J. (2021). Mineral Chemistry, fluid inclusion and stable isotope studies of the Suyoc epithermal veins: Insights to Au-C mineralization in the southern Mankayan Mineral District, Philippines. Ore Geology Reviews vol. 131, 10435. https://doi.org/10.1016/j.oregeorev.2021.104035	2021