

**2020NF-POGO Visiting Fellowship for
Ship-board Training**

Fellowship Report

Name of Trainee: Oyatola Opeyemi Otolorin

Name of Supervisor (Parent Institution): Dr Unyimadu John Paul

Supervisor (Host Institution): Dr Nubi Ayoola Olubunmi

Dates of Training: 14th December, 2020 to 13th February, 2021

Section A

(To be completed by the fellow)

It is the responsibility of the trainee to forward this form to the host and parent supervisor, and to submit a fully completed version to the POGO Secretariat. Please note that the complete report will be made public on the OTP website; Private comments should be included in the separate confidential form.

1) Please provide a brief description of activities during the training period:

The first month of this training was about general orientations. Moreover, we visited all the departments within the institute and acquainted ourselves with instruments and equipment used in analyzing their samples. After this, we moved onboard RV Bayagbona for sea cruise and shipboard training for three days. During this period we were taught how to configure a CTD before deploying into the sea and how to download the data acquired after its retrieval. Furthermore, training on redeployment and recovery of other oceanographic instruments like Grab, corer, niskin bottle and plankton net was also taught. Water samples collected were analysed onboard for phosphate and chlorophyll a using uv-spectrophotometer. After shipboard training, other water samples were analysed for nitrite, nitrate, BOD₅, alkalinity, plankton and benthos sorting and identification. Data acquired from these analyses were interpreted by sigma plot 12.5.

2) What applications of the training received do you envision at your parent institution?

My institution (NIOMR) is the host institution, some of the methodologies used during training were absolutely not new to me nevertheless I was able to learn a new methodology for the determination of DO using uv-spectrophotometer. Before now, I used a multiparameter instrument (Horiba-U52) and titrimetric method using wrinkler's reagents for the determination of DO. Secondly, I have published a couple of manuscripts on nutrient but exclude chlorophyll-a aspect due to lack methodology. This training has capacitated

mewith the methodology, which would be used by me and my department at large in our subsequently research.

3) Please provide your comments on the Fellowship Programme.

This fellowship is highly commendable, as it offers an excellent platform for scientists from developing countries such as Nigeria to build capacity in oceanography. My appreciation goes to POGO for the fellowship and the Nigerian Institute for Oceanography and Marine Research (NIOMR) for their kind gesture during the training. Many thanks to my host supervisor and mentor, Dr Nubi Ayoola Olubunmi for impacting knowledge in me to deepen my knowledge in oceanography and further brighten my career. None of you can ever be forgotten for the good work.

My appreciation goes to Dr Lilian Anne Krug and Dr Laura Ruffoni and others who worked behind the scene for their regular mail to keep us updated on every information we needed. Lastly, I would like to say a big thank you to my Head of Department in my parent institution, Dr Unyimadu John Paul for granting me research leave and the required support.

PRINT NAME

OYATOLA OPEYEMI OTOLORIN

Date: 16/02/2021

Section B

(To be completed by the host supervisor and returned to the trainee)

Please note that the complete report will be made public on the OTP website; Private comments should be included in the separate confidential form.

1) Please provide your comments on the performance of the trainee.

OYATOLA OPEYEMI OTOLORIN has proved himself to be a diligent scientist, hardworking, and always willing to take on extra responsibilities. He possesses excellent human relations with his colleagues from other institutions / countries and staff of the host institution. Throughout the training period he displayed great commitment in his duties and he was willing to take on new challenges. He has also proved himself to be very dependable, bright and outstanding trainee. During the laboratory / field work and departmental seminars, he participated in all the stages, and he often makes critical points that demonstrated his outstanding ability to read critically and successfully analyze difficult materials. While his selection for the NF-POGO Shipboard Training was not in any way regretted, his participation fulfilled in all ramifications the mandate of NF-POGO in ensuring global and regional capacity building in the field of Ocean sciences.

2) Is this exchange likely to lead to future collaboration with the trainee's parent institution? If so please give example(s) of how this collaboration may be pursued.

YES.

Each participating institution has shown through this shipboard training their areas of strength and strong focus, which others might be deficient. Making more institutional exchanges would likely lead to future collaboration with the trainee's parent institution and also strengthens the existing ones.

3) Please provide your comments on the Fellowship Programme.

In line with its mission to promote regional capacity building through academic/ research institutions and shipboard training, NF-POGO Shipboard Fellowship Programme has provided a great opportunity for early career scientists to develop themselves in the field of Ocean sciences. This long term commitment of NF-POGO has again produced a crop of outstanding scientists whose injection into the field of Ocean sciences would make global and regional impacts.

NubiOlubunmiAyoola

Date: 21 / 02 / 2021

SECTION C

(To be completed by the parent supervisor and returned to the trainee)

Please note that the complete report will be made public on the OTPwebsite; Private comments should be included in the separate confidential form.

1) Do you agree with the above comments and do you have any additional feedback you wish to provide? I AGREE

PRINT NAME

DR JOHN PAUL UNYIMADU

Date: 11/03/2021