

NF-POGO-IEO Shipboard Training Fellowship – RADMED cruise hosted by the Instituto Español de Oceanografía (IEO), Spain.

Fellowship Report

Name of Trainee: Salim Kabbara

Name of Supervisor (Parent Institution): Dr. Milad Fakhri

Supervisor (Host Institution): Dr Mari Carmen García Martínez

Dates of Training: 1 October 2022 to 16 Dec. 22

Training topic:

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 a separate confidential form.

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

I get trained for the first time on how to use zooscan, algalab, and flow cytometry with Dr. Francina and Mr. Enrique and I've been taking statistic course everyday with Dr. Manolo on Matlab which enabled me to create my own Function to analyse my own data (Shannon; Simpson's Diversity Index, and principal components analysis..), also I've been working every day on phytoplankton species identification and counting, and knowing many new species for the first time like : Eucampia, Lioloma, Triceratium, Meunira ..ect).

Working on zooscan, many times, Zooplankton biomass and contributing in Ecotaxa website enabled me to identify many zooplankton species.

The shipboard training was about instrumentation, sampling and living on board, it was my first time when I spent the night onboard.

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

As research assistant this traineeship helped me to identify many phytoplankton species and enabled me with confidence to participate in any oceanography shipboard that would be in my country.

3) Please provide your comments on the Fellowship Programme.

I really believe that this traineeship could be a great start to any researcher and IEO Malaga is the best place; I've met the most thoughtful, caring and respectful people in my entire life ever. and I have the feeling that makes me wish I could come back to the shipboard and IEO again.

PRINT NAME

Salim Kabbara

Date: 29 / 12/2022

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 a separate confidential form.

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

Salim Kabbara has been doing a very good work during his stay at the Oceanographic Centre of Malaga (Spanish Institute of Oceanography). He has proven to be a very good worker. He has demonstrated autonomy and expertise in the determination of diatoms and dinoflagellates from samples analysed by inverted microscopy. He has been trained in multiple laboratory tasks: flow cytometry, zooscan, pH determination, chlorophyll a, nutrient analysis, data analysis, etc. He has completed 60-hours course on statistic and matlab taught by Dr. Manuel Vargas-Yáñez.

He has been also working in the RADMED cruise in which he has participated being active. He also has been involved in the analysis of the samples collected during the cruise.

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.

This exchange is a fantastic starting point for future collaborations with his parent University. We are really interested in having Salim Kabbara again with us, because his expertise in micro-phytoplankton (mainly diatoms and dinoflagellate), and its relation with environmental factors can be really helpful for our research group.

3) Please provide your comments on the Fellowship Programme.

In my opinion this type of programme allows international collaborations that would not otherwise be possible. It is a fantastic way to establish contacts with other researchers working in similar lines of research, and to compare different working methodologies.

PRINT NAME

Date: / /

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 OTP website; Private comments should be included in a separate confidential form.

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

Yes, I fully agree with the above comments. Salim is a very hard-working, psychologically mature, effective, organising, of nice character and easy personality to collaborate with fellow peers. I strongly recommend Salim to be involved in a Post-Graduate programme.

PRINT NAME

Dr. Milad Fakhri

Date: 06 / 01 / 2023