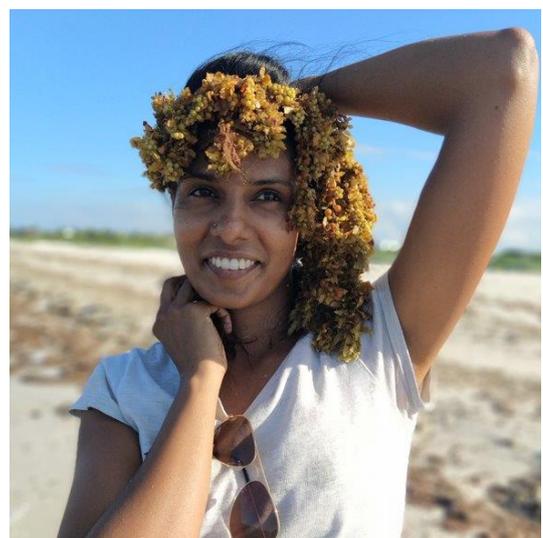


# GlobalSeaweedSTAR Capacity Building Fund

## Completion Report

### Awardee Details

<b>Grant reference ID</b>	GSS/CBF/023
<b>Full name/title</b>	Shareen A ABDUL MALIK
<b>Position held</b>	Research and Lecturer
<b>Organisation</b>	Universite de Rennes, France



### Details of Capacity-Building Activity

<b>Name of activity</b>	The 7 <sup>th</sup> Conference of the International Society for Applied Phycology (ISAP2021)
<b>Date held</b>	14 May, 2021 – 13 August, 2021 (Virtual)
<b>Organiser/provider</b>	ISAP Japan

### Biography

It's quite a journey and it all started with my Bachelor's in Biotechnology and then my Master's and Predoctoral degree in Marine Biotechnology. All my education is from India, except for my Doctoral degree, again, in Marine Biotechnology which I persuaded recently from the University of South Brittany, France in the framework of an international project with CINVESTAV, Mexico. During my PhD, I had the opportunity to investigate the interactions and interferences between an algal host and its microbiome from the cast and in laboratory culture conditions.

In my predoctoral program, I engaged in a project investigating the antiviral effect of *Litopenaeus vannamei* post larvae against white spot syndrome virus, fed with *Artemia* enriched with sulfated polysaccharide – fucoidan of brown seaweed *Sargassum wightii*, And in my Master's, I evaluated the influence of marine macroalgal (*Hypnea musciformis*) metabolites in combination with probiotic (*Lactococcus lactis*) towards the growth performance and disease resistance in a chosen ornamental fish (*Betta splendens*).

Besides I was actively involved in a project as an Entrepreneurship Development Fellow where the key objective of the work was to study and evaluate the value and sustainability of the seafood supply chain from the capture and/or culture to consumption.

### **Report on Capacity-Building Activity**

I made an Oral presentation of a part of my PhD work titled “Untargeted Metabolomic Fingerprinting of *Halymenia floresii* Secondary Metabolites to Investigate its Defence on Surface” where we explored the secondary metabolites of cultivated Mexican Rhodophyta *H. floresii*, as the thallus revealed a characteristic fouling-free surface under culture conditions. In this study, we investigated and predicted putatives of *H. floresii* which could prevent colonization of microorganisms in its surface.

The Q&A session and the following discussion was very interesting and encouraging too. I tried to collaborate with Oroboros Instruments, Austria and Monash University, Malaysia but it was successful. Maybe in the near future we shall collaborate in a very successful way but for now we are in a good network of communication.

The overall experience of the conference is really very nice and of course rewarding too, as I was awarded for the Best Oral Presentation Macroalgae. This award actually provided me a voucher of 200 dollars from Springer and this was very rewarding as I am in need of a book on Statistics, particularly on R program. I shall purchase it soon. That's really great and fun and of course for the moment like this when I was jobless.