

GOA UNIVERSITY

1. Name of personnel for 1 berth for Indian Arctic Expedition 2019-20: **Prof. Savita Kerkar**

If additional berth is available then **Dr. Srijay Kamat** will be the second personnel

2. Cargo to be sent to Arctic needs to be declared beforehand. Any kind of batteries, Chemicals, Liquids are not permitted in the cargo.

The substrate required for the study is a liquid and will be required at the site to screen isolates that can utilize it. Please advise on how to transport it to Ny-Alesund

3. Requirements at Ny-Alesund need to be declared beforehand if not given in the proposal or if any update is there, like chemicals, batteries, boat requirements, lab space or any other logistical requirements.

List of requirements to be carried to the Arctic: will be procured by us and given to NCPOR for transportation to Ny Alesund.

Sl. No.	Item	Make	Catalogue no.	Quantity
1.	90 mm plastic Petri plates	Tarsons	460090	1 box
2.	Spinwin Tube Conical Bottom 15 mL	Tarsons	546021	1 pack
3.	Spinwin Tube Conical Bottom 50 mL	Tarsons	546041	1 pack
4.	Tips for micropipette 1 mL	Tarsons	521020	2 boxes
5.	Micro tip box 1mL	Tarsons	524059	2 boxes
6.	Tips for micropipette 200 µL	Tarsons	521010	2 boxes
7.	Micro tip box 200 µL	Tarsons	524053	2 boxes
8.	Microcentrifuge tubes	Tarsons	500020	2 boxes
9.	Plastic spreader	Himedia	PW1085-1x100NO	1 box
10.	HiCap – R25		PW029-100NO	1 pack
11.	Nutrient Broth - 500gm	Himedia	M002	1 bottle
12.	Zobell Marine Broth - 500gm	Himedia	M385	1 bottle
13.	Potato Dextrose Broth - 500gm	Himedia	M403	1 bottle
14.	Bushnell Haas Broth - 500gm	Himedia	M350	1 bottle
15.	Agar-agar -500gm	Himedia	GRM666	2 bottles
16.	TLC Silica gel 60	Merck	1.0553.0001	1 box
17.	Vanillin -100g	Merck	8.18178.0100	2 bottles
18.	Glass beaker- 250 mL	Borosil	1000D21	4 beakers
19.	Glass Petri plates – 90mm	Borosil	3165075	1 box 10 Petri plates/box
20.	Reagent bottles amber – 250mL	Borosil	1519021	1 case 10 bottles/case
21.	Glass sprayer	Borosil		
22.	Culture test tubes without rim	Borosil	9820U07	1 box 100 test tubes/box
23.	Hand dryer	-	-	1

24.	Powesoil Metagenomic DNA isolation kit	Qiagen		1 kit
Liquids				
1.	D-Limonene	Liquid substrate to be taken to the Arctic		
2.	Conc. sulphuric acid	Chemicals required at Ny-Alesund Research station		
3.	Methanol			
4.	Cyclohexane			
5.	Acetone			
6.	Diethyl ether			

4. You are requested to declare (kind, type, weight, etc) the planned normal and cold shipment in terms of the samples to be collected and shipped back to India. Cold shipment should be as realistic as possible and should preferably consist of pre-processed samples/small aliquots of raw samples. Detailed justification shall be sought of cold shipments >20kg.

Cold shipment of soil samples to be transported to India will not exceed 5 kgs.

5. Consumables and stationery sent to the Arctic should strictly be left there and not be brought back. Only instruments/equipments are meant to be brought back from Arctic. The same shall be strictly observed by the Arctic section. In case of any difficulty in following the same, please do write/talk to us.

6. Each Expedition member has to submit a deputation report after arrival before their TA/DA is settled.

7. Please note that the logistic arrangements shall be done as per the declaration provided in the proposal or in response to this email. Last minute changes or changes not intimated to the Arctic section in time, shall be not be entertained.

GC facilities if available, will be used to quantify D-Limonene utilisation and formation of its oxidised derivatives .