



Practical course on			"Marine Phytoplankton – optics, pigment and taxonomy"	
March 25 - 29, 2019				
Time (Hrs, IST)	REGISTRATION: 09.00 to 09.15		Faculty/Speaker	
Day-1: (25.03.2019)				
09:15	-	09:30	Welcome & Introduction to the Course	Dr. T.V.S. Udaya Bhaskar
09:30	-	11:00	L1: Marine Phytoplankton: photosynthetic systems, size classification and taxonomy	Dr. S. K. Baliarsingh
11:00	-	11:30	Tea/Coffee	
11:30	-	13:00	L2: Marine phytoplankton ecology and analysis using high performance liquid chromatography (HPLC)	Dr. Rajdeep Roy
13:00	-	14:00	Lunch	
14:00	-	15:30	L3: Marine optics: Applications and analysis	Dr. Aneesh Lotliker
15:30	-	16:00	Tea/Coffee	
16:00	-	17:30	Dividing participants into batches, project discussion, instrument demonstration and sample preparation	Dr. Aneesh Lotliker
Day-2: (26.03.2019)				
09:30	-	11:00	Parallel Practical Sessions: P1: Phytoplankton pigment analysis using (HPLC) P2: Phytoplankton absorption spectra using integrating sphere spectroscopy P3: Phytoplankton taxonomy using microscopy	Dr. Rajdeep Roy / Dr. Aneesh Lotliker Mr. Alakes Samanta Dr. S. K. Baliarsingh
11:00	-	11:30	Tea/Coffee	
11:30	-	13:00	Parallel Practical Sessions (cont..)	Dr. Rajdeep Roy, Dr. Aneesh Lotliker, Mr. Alakes Samanta, Dr. S. K. Baliarsingh
13:00	-	14:00	Lunch	
14:00	-	15:30	Parallel Practical Sessions (cont..)	Dr. Rajdeep Roy, Dr. Aneesh Lotliker, Mr. Alakes Samanta, Dr. S. K. Baliarsingh
15:30	-	16:00	Tea/Coffee	
16:00	-	17:30	Parallel Practical Sessions (cont..)	Dr. Rajdeep Roy, Dr. Aneesh Lotliker, Mr. Alakes Samanta, Dr. S. K. Baliarsingh
Day-3: (27.03.2019)				
09:30	-	11:00	Parallel Practical Sessions (cont..)	Dr. S.K.Baliarsingh
11:00	-	11:30	Tea/Coffee	
11:30	-	13:00	Parallel Practical Sessions (cont..)	Dr. Rajdeep Roy, Dr. Aneesh Lotliker, Mr. Alakes Samanta, Dr. S. K. Baliarsingh
13:00	-	14:00	Lunch	
14:00	-	15:30	Parallel Practical Sessions (cont..)	Dr. Rajdeep Roy, Dr. Aneesh Lotliker, Mr. Alakes Samanta, Dr. S. K. Baliarsingh
15:30	-	16:00	Tea/Coffee	
16:00	-	17:30	Parallel Practical Sessions (cont..)	Dr. Rajdeep Roy, Dr. Aneesh Lotliker, Mr. Alakes Samanta, Dr. S. K. Baliarsingh

Day-4: (28.03.2019)			
09:30	-	11:00	Group project
11:00	-	11:30	<i>Tea/Coffee</i>
11:30	-	13:00	Group project
13:00	-	14:00	<i>Lunch</i>
14:00	-	15:30	Group project
15:30	-	16:00	<i>Tea/Coffee</i>
16:00	-	17:30	Group project
Day-5: (29.03.2019)			
09:30	-	11:00	Group project
11:00	-	11:30	<i>Tea/Coffee</i>
11:30	-	13:00	Group project
13:00	-	14:00	<i>Lunch</i>
14:00	-	15:30	Project Presentation
15:30	-	16:00	<i>Tea/Coffee</i>
16:00	-	17:30	<i>Valedictory function</i>

Group projects:

Project	Title	Mentor
1	Phytoplankton species distribution in Bay of Bengal & Arabian Sea	Dr. S.K. Baliarsingh
2	Vertical distribution of phytoplankton absorption coefficient in Arabian Sea	Mr. Alakes Samanta
3	Vertical distribution of phytoplankton pigment characteristics in Arabian Sea	Dr. Rajdeep Roy