MARINE PHYTOPLANKTON COURSE: TAXONOMY AND ECOLOGY OF MARINE DINOFLAGELLATES

13-24 November 2016

COURSE OBJECTIVES
The course will give the participants a basic knowledge of methodology and taxonomic principles for the study of marine phytoplankton including potentially harmful species. The course will focus on species common in the Gulf region and in the Western Indian Ocean. It aims at both university students and monitoring personnel.

MAIN ACTIVITIES AND EXPECTED ACHIEVEMENTS
✓ At the end of the course, participants will be able to:
✓ Collect phytoplankton samples as well as benthic samples
✓ Preserve and process samples for both LM and SEM
✓ Identify main genera and species of potentially harmful microalgae (HAB) by LM
✓ Isolate and maintain cultures of dinoflagellates
✓ Count phytoplankton samples and understand the statistics behind the method
✓ Molecular methods and phylogenetic analysis will be introduced
✓ Lectures on the ecology of harmful algal blooms will be included
✓ A microscope will be available to each participant during the course
✓ Participants will receive copies of all lectures and additional identification literature as pdf-files

COURSE TOPICS
• Phytoplankton Sampling Methodology
• Phytoplankton Identification Techniques
• Dinoflagellates Identification
• Phytoplankton Culture Techniques
• Phytoplankton Counting Methods
• Phytoplankton Blooms and HAB’s

INSTRUCTORS
• Dr. Jacob LARSEN, IOC, Denmark
• Dr. Nicolas CHOMÉRAT, IFREMER, France
• Dr. Manal AL-KANDARI, KISR, EBMMR/ELSRC, Kuwait
• Dr. Igor POLIKARPOV, KISR, EBMMR/ELSRC, Kuwait
• Dr. Maria SABUROVA, KISR, EBMMR/ELSRC, Kuwait
PARTICIPANTS

The participants should have at least a Bachelor’s degree or diploma in science. Graduate students, PhD students, post-docs, and young researchers interested to learn more about phytoplankton taxonomy and ecology are invited to apply for this course.

All participants will have to pay for their travel including local transport, accommodation, and meals. Please, note visa requirements when planning your travel to Kuwait.

A course fee applies as follows:
All participants, except university students see below, must pay of course fee of 350 KWD; organizations sponsoring more than two participants will be given a 10% discount on course fees. The fee covers all teaching materials, use of facilities including microscopes, breakfast, lunch and refreshments during breaks. A microscope will be available to each participant during the course.

University students are given a 50% discount.

DATE, DURATION & TIME

13-24 November 2016
10 days, hours 8:30-11:30 and 12:30-15:00, in total 55 hours of teaching

LOCATION

Ecosystem-Based Management of Marine Resources/Environment and Life Sciences Research Center, KISR.

COURSE ORGANIZATION

The course is organized in collaboration between the Manpower Development Department (MDD) of the Human Resources Division (HRD) at the Kuwait Institute for Scientific Research (KISR) and the Intergovernmental Oceanographic Commission (IOC) of Unesco (IOC Science and Communication Centre on Harmful Algae).

FURTHER INFORMATION AND APPLICATION

Please contact the Training Program Section, through:
Miss Shahad Al-Jazzaf
Tel. +965 24989019 (direct)
Fax +965 24989429
E-Mail: training@kisr.edu.kw

Dr. Manal Al-Kandari
Tel. +965 24956348
E-Mail: mkandari6@gmail.com