COURSE OBJECTIVES

The main aim of the course is to familiarize participants to phytoplankton sampling methods, preservation, cell isolation, culture and counting methods, and identification of the main phytoplankton groups. Participants will be introduced to the HAB species within the different groups of phytoplankton.

MAIN ACTIVITIES AND EXPECTED ACHIEVEMENTS

At the end of the course, participants will be able to:
✓ Collect phytoplankton samples
✓ Process and preserve phytoplankton samples based on target group of study
✓ Identify major groups of phytoplankton including harmful algal bloom (HAB’s) species using optical microscopy techniques
✓ Use the molecular methodology to identify any unknown species
✓ Learn different culture and counting techniques
✓ Understand the phenomena of phytoplankton bloom
✓ Acquire updated information on specialized literature; to distribute information and awareness on harmful, toxic and potentially toxic species.

COURSE TOPICS

- Phyttoplankton Sampling Methodology
- Phytoplankton Identification Techniques
- Diatoms Identification
- Dinoflagellates Identification
- Other naked-flagellates Identification
- Phytoplankton Culture Techniques
- Phytoplankton Counting Methods
- Phytoplankton Bloom and HAB’s

INSTRUCTORS

- Dr. Jacob LARSEN, IOC, Denmark
- Dr. Diana SARNO, Stazione Zoologica Anton Dohrn, Italy
- 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 450 KD; organizations sponsoring more than two participants will be given a 10% discount on course fees. The fee covers all teaching material and snacks during the breaks. University students of Kuwait are given a 50% discount while students of other nationalities will not pay a course fee.

DATE, DURATION & TIME
5-15th January, 2014
Ten (10) days
8:30-16:00

LOCATION

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

COURSE ORGANIZATION

The course is organized by the Manpower Development Department (MDD) of the Human Resources Division (HRD) at the Kuwait Institute for Scientific Research (KISR).

FURTHER INFORMATION AND APPLICATION

Please contact the Training Program Section, through:
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