

30-31
OCT

PHYTOPLANKTON PIGMENT ANALYSIS WORKSHOP 2014



PHYTOPLANKTON PIGMENT ANALYSIS WORKSHOP



We are pleased to invite you to attend our two-day, 4th phytoplankton pigment workshop. This workshop is dedicated to bringing people engaged in analysing phytoplankton pigments together.

The workshop features numerous opportunities for exchanging ideas, improving your knowledge and broadening your skills within high performance liquid chromatography (HPLC) pigment analysis.

This workshop is organised by DHI Lab Products and you are able to discuss and share experiences with fellow other phytoplankton pigment analysts in an informal forum.

HIGHLIGHTS

- Introduction to all aspects of phytoplankton pigment analysis by HPLC
- Meet with other pigment analysts
- Excellent networking opportunities

KEY DATES

- Registration before 29 August 2014
- Workshop dates: 30-31 October 2014

REGISTRATION

Please register for the phytoplankton pigment workshop 2014 by email to: c14@dhigroup.com

A minimum of participants is required for the workshop to proceed. DHI reserves the right to reschedule up to 8 weeks prior to the workshop.

TOPICS

PHYTOPLANKTON PIGMENT ANALYSIS WORKSHOP

- Filtrating and extracting samples
- Choice of HPLC method
- HPLC/UHPLC systems and what is important for the analyses
- Defining the analysis protocol needed and getting the HPLC method running
- Calibration procedures
- Quality control and quality assurance
- Example of an accreditation: DANAK accreditation at DHI
- Reporting results
- Distribution of different pigments in different phytoplankton groups
- Applications: Calculating phytoplankton biomasses using CHEMTAX
- Tour of DHI and demonstration in DHI's laboratories
- Workshop participants' own examples, challenges, problems and discussions
- Any other issues you may want to raise!

PROGRAMME

Programme 30 October 2014 (day 1)

10:00	Welcome to DHI (tea and coffee) / General information and introduction
10:15	Getting started: HPLC/UHPLC systems and what is important for the analyses
10:45	Defining the analysis protocol needed and getting the method running
11:15	Things to adjust if the HPLC does not separate the expected peaks
11:45	Lunch
12:30	Quality assurance (Introduction to QA: Validation, precision, accuracy etc.)
13:30	Example of an accreditation: DANAK accreditation at DHI
14:00	Calibration procedures
14:30	Tea & coffee break
15:00	Things to consider when analysing samples
16:00	Tour of DHI and demonstration in DHI's laboratories
17:00	End of day 1

Programme 31 October 2014 (day 2)

8:45	Tea & coffee
9:00	Things to consider when analysing samples (continued from yesterday)
10:00	Exercise
11:00	Transfer methods from HPLC to UHPLC
11:30	Reporting results
12:00	Lunch
12:45	Applications: calculating phytoplankton biomasses; using CHEMTAX
13:15	Distribution of different pigments in different phytoplankton groups
13:45	Workshop participants own examples, challenges, problems and discussions
15:00	Evaluation
15:30	End of workshop

FACILITATORS

Louise Schlüter
MSc, PhD, Senior Biologist
Business Area Manager
DHI LAB products

Merete Allerup
Lab Technician
DHI LAB products



WORKSHOP FEES

Price EUR 500

The price includes lunch, coffee and tea, as well as a collection of workshop slides and a certificate of participation. Accommodation is not included.

LOCATION

DHI headquarters
Agern Allé 5
2970 Hørsholm
Denmark



FOR MORE INFORMATION

DHI Lab Products
c14@dhigroup.com
www.labproducts.dhigroup.com

THE ACADEMY BY DHI

THE ACADEMY offers a palette of courses and capacity building packages designed to fit your needs and challenges. Our training courses are offered as standard and/or as tailored training.

MIKE by DHI courses focus on practical skills, hands-on exercises and on teaching you how to get the most out of your software.

Thematic courses allow you to apply concepts, applications and decision support principles to the entire business process within current areas such as aquaculture & agriculture, energy, climate change, flooding, coast & marine, surface & groundwater, urban water, industry, environment & ecosystems, product safety & environmental risk, etc.

MIKE CUSTOMISED by DHI courses enable you to understand the power of the MIKE CUSTOMISED tools for building decision support systems.

Our trainers are experienced professionals, many of whom are recognised international experts in their fields. The consistent use of highly skilled trainers guarantees the quality of THE ACADEMY courses.

DHI headquarters

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