

### Who should participate?

- Laboratory chemists engaged in daily routine work involving speciation analysis
- Laboratory managers who wish to become familiar with state-of-the-art techniques in speciation analysis for foodstuffs

### Course objectives

The course combines lectures giving a broad as well as a specific introduction to arsenic speciation with hands-on practice in the laboratory using HPLC-ICP-MS. The course emphasises the participants's critical evaluation of all stages of the speciation procedure, and will discuss how to trace sources of error leading to poor accuracy.

### Participation fees

Participation fees (Euro 1140,-) include lunches, seminar drinks, course notes and a confirmation of participation.

### Registration

Please use the registration card of this flyer or register in writing to the address given below, stating:

- date and title of training workshop
- your name, first name, title
- your affiliation and contact details

### Your registration should have reached us August 15th 2005 at the latest.

However, since the number of participants is very limited early registration is recommended. Your registration will become binding by the written confirmation of the workshop organiser. For further inquiries and registration at short notice please call: ++49 (0251) 83 366 59 or email or fax to the contact given below.

### Conditions of cancellation

When written cancellation of participation is received more than 21 days prior to the workshop date, refund of the course is subject to a handling fee of Euro 75.-. For later cancellations no refund is possible. Substitutes can be nominated at any time for a registered person.

### Payments

Are to be made after receipt of the invoice.

### Changes

Course program may be subject to changes for technical or organisational reasons. The organisers reserve the right to shift or cancel the Training Course in case of insufficient participation.

### Accommodation

A list of hotels will be enclosed to your confirmation of registration by which you can book a hotel. Information is also available on the web site for this course.



EVISA

Training course

Register till  
August 15<sup>th</sup>  
2005!

### Other EVISA Training Courses:

- 12.-15.09.2005 Speciation analysis applied to environmental issues
- 19. - 20.10.2005 Fundamentals of Coupling Techniques in Speciation Analysis
- 21.10.2005 Organic Mass Spectrometry in Speciation Analysis
- 14.-15.11.2005 Selenium Speciation in Foods and Food Supplements
- 24.-25.11.2005 Speciation Analysis and Food Security
- 05.-08.12.2005 Speciation analysis applied to industrial issues
- 23.-24.02.2006 Accuracy and Quality Assurance in Speciation Analysis by IDMS

For a complete seminar program please visit [www.speciation.net](http://www.speciation.net), your up-to-date information source for speciation analysis!

## Arsenic speciation in foodstuffs and water in relation to legislative requirements

September, 12-13, 2005  
Søborg, Denmark



European Virtual Institute for Speciation Analysis  
EVISA office: University of Muenster  
Corrensstrasse 30, D-48149 Münster  
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Internet: [www.speciation.net](http://www.speciation.net)

Co-organised by:  
EVISA  
Danish Institute for Food and Veterinary Research



## I register

Complete this form and register by fax:  
**+49 251 83 - 360 13**  
or by mail, using a window envelope.

- September, 12-13, 2005 in Søborg, Denmark.
- The registration fee is Euro 1140,- (no tax applicable) I acknowledge the conditions for participation.

herewith to the Training Course „Arsenic speciation in foodstuffs and water in relation to legislative requirements“.

Title:

First Name:

Family Name:

Company:

Department:

Street:

Area Code:

Fon:

Fax:

Date, Signature:

European Virtual Institute for Speciation Analysis (EVISA)

University of Muenster

Attn. Dr. Wolfgang Buscher

Corrensstrasse 30

D-48149 Münster, Germany

## Course Program

Arsenic speciation  
in foodstuffs and water

### Course Program

1st day  
September, 12, 2005  
9.00-17.00 hrs

- Welcome, presentation and introduction to the course
- Why carry out speciation analyses in the food area? (lecture)
- A comprehensive introduction to sample preparation for arsenic speciation analysis (lecture)
- Lunch break
- Laboratory practice I. Sample pre-treatment and extraction

2nd day  
September, 13, 2005  
9.00-17.00 hrs

- A comprehensive introduction to arsenic speciation using HPLC separations with ICP-MS detection (lecture)
- Qualitative and quantitative analysis, calibration, precision, accuracy (lecture)
- Lunch break
- Laboratory practice II. Analysis of samples by cation exchange and by anion exchange HPLC-ICP-MS
- Data analysis. Comparison of results obtained from the two chromatographies (teacher-student interaction)

Summary and final discussions

### Course instructors and their field of expertise:

**Professor Dr. Erik H. Larsen**  
DFVF  
speciation analysis specialist

**Senior scientist Dr. Jens J. Sloth**  
DFVF  
speciation analysis specialist

Comprehensive course notes are included in the workshop fees.

### Course Venue

Danish Institute for Food and Veterinary Research,  
19, Mørkhøj Bygade,  
DK-2860 Søborg, Denmark

### Contact and further information

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