COST is funded by the EU Framework Programme Horizon 2020

Training School

Microextraction in T&O analysis: fundamentals and applications

Chania, Crete, Greece, 20-22/09/2023

Organizer: Prof. Elia Psillakis
School of Chemical and Environmental Engineering, Technical University of Crete

Call for participants

WaterTOP invites you to apply for participation as trainee in this Training School. This is an advanced TS and it is mostly useful for those who have previous experience and work on GC-MS analysis of volatiles and odorous compounds in water. Training includes theory and laboratory practice.

General eligibility Criteria

The applicants with a primary affiliation to a legal entity located in a COST Full or Cooperating Member country, a COST Near Neighbour Country (NNC) or a European RTD Organization (for more details see §4.1.1.1.1, §6.4 & ANNEX 1 in Annotated Rules for COST Actions (level C)) are eligible to receive financial support to cover part or all of their expenses carried out to participate in the training school.

Evaluation criteria:

The maximum number of trainees is 20. Evaluation will consider the following criteria:

1. Work or strong interest in applying microextraction techniques for water T&O analysis.
2. Applicants from groups working in projects that are in line with WaterTOP objectives.
3. Motivation of trainees.
4. Early-Stage Researchers (<40 yrs).
5. ITC countries.
6. Gender balance.

Reimbursement:

Trainees will receive reimbursement for travelling and accommodation (daily allowance) according to COST rules. The maximum amount covering the long-distance travel expenses (roundtrip, cancellation insurance included) for this school will be set to 470,00 €, with exceptions possible only after approval of the Grant Holder and Chair, based on provided evidence and available funds of the Action.

Applicants are encouraged to carefully read the rules detailed in Annotated rules for COST Actions, ANNEX 1.

The COST Association and the Action Grant Holder cannot be held responsible in cases where individuals do not secure the necessary travel documents / visas needed to facilitate their participation in approved COST activities.

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Trainees should make their own arrangements for all provisions related to personal security, health, taxation, social security and pension matters.

Application submission:

Applicants will need to indicate at least their full name, affiliation (organization, country), email address, scientific background, role/position in the organization, age, gender, experience, and motivation. Supplementary information to support the application is optional.

To apply as a trainee, use the form: https://forms.gle/3k3kzVkNAjVsL7bk6

The deadline for applications is **15 July 2023**.

A detailed agenda of the TS will be distributed later. Topics covered in the TS will include (theory & practice):

- Fundamentals of microextraction and overview of methods
- Method development
- Microextraction techniques in targeted and untargeted odorant analysis: facts and artifacts
- Trace analysis of geosmin and MIB by SPME-GC-MS/MS.
- Validation and accreditation of SPME-GC-MS methods for water T&O.
- Laboratory hands-on training on odorant analysis using SPME fiber, SPME Arrow, TFME and Hisorb followed by GC-MS or GCxGC-MS

Trainers: Elia Psillakis, Aggeliki Pateraki, Irina Kandilioti (Technical University of Crete, Greece), Martin Steinhaus (Leibniz Institute for Food Systems Biology at TUM, Germany), Tri Kaloudis (EYDAP SA, NCSR Demokritos, Greece)

Trainees will receive a training certificate.

The call is posted in WaterTOP's website www.watertopnet.eu
