



Pancyprian Union of Chemists  
Division of Quality Assurance  
Eurachem Cyprus Committee

***Laboratory Accreditation***  
**A Two-Day Training Workshop**

**ISO/IEC 17025 and ISO 15189 – *Experiences and challenges***  
***of implementing the revised accreditation standards***

**12-13 March 2025**

***Cleopatra Hotel, Nicosia, Cyprus***  
***Conference Room Macedonia***

***Introduction***

Following a number of successful training events, most recently on recent developments in quality assurance, the Pancyprian Union of Chemists (PUC) and Education & Training Working Group of Eurachem (ETWG) are planning the 5<sup>th</sup> two-day workshop on quality assurance in Nicosia on 12-13 March 2025. The programme will include presentations on various aspects such as risk scenarios, measurement uncertainty arising from



sampling, validation of measurement procedures including sampling, use of uncertainty in conformity assessment, reference materials selection and use, practical use of precision and trueness data for uncertainty evaluation, interpretation of the metrological traceability statements in certificates, QA in the academic and research laboratories, QA in the university syllabus; and last but not least, an overview of recent publications on quality assurance, with an emphasis on recent revisions of Eurachem guides.

***The scope of the training is to:***

- Present and discuss critical issues of interest to both analytical and medical laboratories addressed in ISO/IEC 17025:2017 and ISO 15189:2022, respectively in the light of experiences and challenges of implementing the standards;
- Discuss the experiences of laboratories in various sectors, including problems and solutions;
- Present developments regarding some important publications (Eurachem guides and others).

### ***How to meet the task***

This task will be addressed through presentations by experienced trainers, exercises and group work. It is expected that by the completion of the training, the participants will have a good understanding of the critical issues addressed in both accreditation standards and will acquire a clear picture of the work to be done in their laboratories or in their accreditation bodies as appropriate. The training will be delivered by tutors that have been actively involved for many years in Eurachem activities and its Working Groups and/or the Executive Committee. The event will include presentations and practical workshop sessions.

### ***Participants are invited...***

to submit posters and share their practical experience of quality assurance and accreditation in short presentations. Abstracts have to be submitted **by 21 February 2025** to [kctsimillis@cytanet.com.cy](mailto:kctsimillis@cytanet.com.cy)

### ***Who can participate?***

The training is oriented to:

- Personnel of accredited analytical and medical laboratories as well as those preparing for their accreditation;
  - Lead assessors/assessors/technical experts
  - Personnel of competent authorities
  - Consultants.
- ⇒ Colleagues from neighbouring countries and Europe are welcome!

**Certificates** of participation will be issued to participants who attend fully.

### ***The language***

The training will be carried out in English.

### ***Registration***

The fee is € 250 for those **registered by 21 February 2025** (see the attached **Registration Form**). After that date, the fee will be € 300. This covers the training material, coffee breaks and meals as well as dinner on the first day. If more than one participant from the same laboratory/organisation attends, the fee will be € 225 and € 270 respectively for the additional participants.

### ***For those coming from abroad***

#### **Accommodation**

The training will be hosted at the Cleopatra Hotel, a 4-star hotel in the centre of Nicosia. A number of rooms has been pre-booked at the hotel (**valid until 2 February 2025**):

<b>Room Rates*:</b>	<b>Standard</b>	<b>Executive</b>
Single Room B/B	€ 120.00	€ 135.00
Twin Room B/B	€ 145.00	€ 160.00

\*per room per night inclusive of buffet breakfast, taxes and service and free Internet.

**Payment Terms:** To confirm a reservation prepayment by the participants is necessary.

**Cancellation Policy:** If a reservation is cancelled less than 72 hours before arrival date or in case of NO Show a one night cancellation fee will apply.

Participants will need to make their own reservation directly with the hotel, email : [info@cleopatra.com.cy](mailto:info@cleopatra.com.cy), tel. +357 22844000 with reference to the code **PUC 2025**.

### ***Visa requirements***

Participants from third countries (not member states of the European Union) may need to get a visa. Relevant information appears under visa policy on the website of the Ministry of Foreign Affairs of the Republic of Cyprus ([www.mfa.gov.cy](http://www.mfa.gov.cy)). To this end they need to contact the local organisers for an invitation letter to be provided in time.

### ***Entrance to Cyprus***

**Only via the legal airports of the Republic of Cyprus, namely the Larnaca and Pafos International Airports.** Larnaca is the preferred airport, as Pafos is further from Nicosia (one extra hour transfer time).

### ***Transportation from/to the hotels***

Upon arrival at **Larnaca International Airport**, participants may catch

⇒ **EITHER**, the shuttle to Nicosia (for timetable visit <https://www.kapnosairportshuttle.com>); the fee is € 9. The trip takes up to 40 min. A taxi will then be required to take you to the hotel (additional cost up to € 20) **OR**

⇒ a taxi directly to the hotel; this will cost approx. € 55.

⇒ **For further information, contact...** [despinacharalambous@yahoo.co.uk](mailto:despinacharalambous@yahoo.co.uk)

## **The trainers...**

### ***Vicki Barwick***

After studying chemistry at the University of Nottingham, Vicki joined LGC in 1990 as an analytical chemist. She then worked on projects funded by the UK government's Valid Analytical Measurement (VAM) programme, focusing on the development of approaches to evaluating measurement uncertainty in chemical analysis. This work led to the development of training courses on uncertainty evaluation and wider quality assurance issues. Vicki is currently the Head of Commercial Training in the UK National Measurement Laboratory hosted at LGC and has over 25 years' experience in the development and delivery of training courses in the area of analytical quality assurance. She has produced a wide range of training materials and is co-author of the books 'Quality assurance in analytical chemistry' and 'Practical statistics for the analytical scientist'. She is a Past-Chair of the Eurachem network and Chair of the Eurachem Education and Training Working Group.

### ***Despina Charalambous***

Dr Despina Charalambous studied Chemistry at the University of Cyprus and she continued her studies with MSc Molecular Medicine at Imperial College London. She was accepted at the University of Cyprus at the Department of Biological Sciences for her PhD in Molecular Biology. She worked as a Lab Manager in private accredited laboratories in Nicosia. Since 2013, Dr Charalambous is working as a Lecturer in the Department of Pharmacy at Frederick University. She teaches the undergraduate courses of Food Chemistry and Nutritional Analysis, Molecular Biology and Pharmaceutical Biotechnology as well as the lab courses Molecular Biology, Microbiology, Food Chemistry and Nutritional Analysis, Pharmaceutical Biotechnology and Biochemistry. Dr Charalambous's research interests focuses on neurodegenerative diseases and the role of pharmaceutical agents in the progress of the diseases, including natural products. She is a member of the Pancyprian Union of Chemists and the Society of Biological Sciences. Since 2016, she is an external collaborator of CYS (Lead Assessor for ISO 15189:2012 and ISO/IEC 17025:2017).

### ***Steve Ellison***

Dr Ellison is a Science Fellow at LGC, the UK National Measurement Laboratory for chemical and biological measurement. Originally qualified as a chemist, his current interests are primarily in statistics, measurement uncertainty and reference material certification. He is a co-author of EURACHEM guides on measurement uncertainty, metrological traceability and qualitative analysis and contributes to a range of IUPAC, ISO, CEN, BSI and other committees involving applications of statistics for measurement. He also currently chairs the Eurachem working group on Measurement Uncertainty and traceability.



### ***Alice Mosca***

Alice Mosca completed her B.Sc in Agricultural Engineering at the University of Evora (UE), and her M.Sc in Chemistry applied to the Cultural Heritage at the Faculty of Science of the University of Lisbon (FCUL). She worked as an Analytical Manager in a private accredited laboratory for ten years (1994-2014) and was responsible for different instrumental analysis methods (GC, HPLC, FTIR, among others). Her responsibilities included the implementation, validation, and definition of the quality control schemes of the methods. She was also co-responsible for the implementation and maintenance of both management and technical requirements of the EN ISO/IEC 17025. She started working as an independent consultant for the accreditation of laboratories, as a trainer in different technical and management areas, as an internal auditor (for the management and technical requirements of the EN ISO/IEC 17025 standard), and as an assessor of the Portuguese Accreditation Body (IPAC) in 2004. She founded her own company (AIM - Consultancy, training and audits Lda) in



2010, where she still works as General Manager. She has been collaborating in teaching at national and foreign universities for the last 25 years and has become a part of the Portuguese TrainMiC team since 2006. She has been the co-coordinator of the International Forum for Metrology and Examinology in Chemistry (ForMEQ) since 2023 and joined the Training and Education working group of Eurachem in 2020.

### ***Marina Patriarca***

Marina Patriarca is a chemist with experience in analytical chemistry, clinical biochemistry, food safety, metrology in chemistry and quality assurance. She worked at the Italian Institute for Health (ISS) to pursue research in the areas of role of trace elements, development of analytical methods, certification of reference materials, proficiency testing, implementation of metrology requirements in analytical laboratories, training and support to the Italian Ministry of Health for the definition and application of EC requirements for official food control laboratories in the area of industrial and environmental contaminants. Marina provides national and international trainings on technical requirements of ISO/IEC 17025, ISO/IEC 17043 and ISO 17034 and was a national representative for the EC JRC programme “Training in Metrology in Chemistry (TrainMiC®)”. Marina contributes to various Eurachem Working Groups and support the widespread knowledge of Eurachem guidance via translations into Italian and presentations. She is currently chairing the Eurachem Working Group on Reference Materials.



### ***Mike Ramsey***

Mike Ramsey is a Fellow of the Royal Society of Chemistry and has been a Professor at University of Sussex for 20 years, now in an Emeritus capacity. After a PhD in Analytical Geochemistry, he conducted research and lectured at Imperial College, London for 20 years. He's published over 170 scientific papers, including many on uncertainty of measurement arising from primary sampling, and its effects on decision making. Mike is Chair of the Eurachem/Eurolab/CITAC/Nordtest/AMC Working Group on Uncertainty from Sampling, which has published International Guidance on this subject. Working with the Method Validation WG, he has recently co-authored guidance on Validation of Measurement Procedures and include Sampling (VaMPIS). Broader research included UK-NERC-funded project on Multiple Links Towards Integrating Teams for Understanding of Disease and Environment - MULTITUDE. Was chair of the European Section of Society for Environmental Geochemistry & Health 2005-2008.



## **Eugenia Eftimie Totu**

Eugenia Eftimie Totu is a Professor at the Department of Analytical Chemistry and Environment Engineering, Faculty of Chemical Engineering and Biotechnologies, National University of Science and Technology POLITEHNICA of Bucharest (UPB), Romania. She received her Ph.D. in Physical Chemistry at the University of Bucharest, Romania, and she was a Visiting Professor at the University of Newcastle upon Tyne, UK. Her scientific interests include advanced electrochemical methods, chemical nano/micro-sensors, bio-nanocomposite materials for clinical applications, including tissue regeneration, quality assurance issues related to specific analytic techniques, and validation of new investigation methods of analysis. She published over 100 papers (76 ISI), 12 books, and chapters; she holds two patents for clinical applications. Her activity in Eurachem started as a Romanian National delegate; since 2010, she has been a Eurachem Education and Training Working Group member. In 2010, she was elected a member of the Eurachem Executive Committee. In 2020, she organized, together with the Eurachem-România Association, and UPB, the first Eurachem Week online, followed in July 2020 by the first Eurachem workshop online, "Quality Assurance for Analytical Laboratories in the University Curriculum", opening in this way the online activities for Eurachem. In May 2022, she was elected Vice-Chair of Eurachem, and in May 2024 she was appointed Eurachem Chair.



## ***Kyriacos Tsimillis***

Kyriacos holds a BSc and a PhD in Chemistry (University of Athens - 1971, 1977). Postgraduate studies at the Nuclear Research Center "Demokritos" (1972-1975). Lecturer at the Physical Chemistry Department of the University of Athens (1975-1980), he was involved in standardization and certification activities in Cyprus for twenty years followed by twelve years in accreditation until his retirement (December 2013). He was the Coordinator (2005) and as from 2009 the Director of the Cyprus Accreditation Body (CYS-CYSAB). He represented CYS-CYSAB in EA and was a member of peer evaluation teams of EA (2013-2014). Since 1997 he represents the Pancyprian Union of Chemists (PUC) in Eurachem, including a two-year period as its Chair (2008-2010) and for many years as a member of the Executive Committee; he also represented Cyprus in Eurolab and the Euromed Quality Programme. He is the author of research papers and a co-author of books on Quality. He was an invited speaker in seminars, workshops and conferences. He organized a lot of training activities and awareness events. Since 2014 he is a member of the Division of Quality Assurance of the PUC.

