

CCQM Workshop on Advances in Metrology in Chemistry and Biology Poster Session - 9 April 2019 – 17:00-19:30

- P1:** Nitrogen contents of ammonium chloride and amidosulfuric acid assayed by coulometric titration with electrogenerated hypobromite ions [*Toshiaki Asakai*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P1.pdf>
- P2:** Characterisation of the First “Speciated” Chromium Enriched Organically Bound Yeast Reference Material: ERM-BD213a [*Sarah Hill*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P2.pdf>
- P3:** How to quantify the exact amount and establish metrological traceability of sulphur in biodiesel by ICP-IDMS and in copper samples by ICP-IDMS, GDMS, LA-ICP-MS, and LA-ICP-IDMS [*Pranee Phukphatthanachai*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P3.pdf>
- P4:** A comparison of different calibration strategies for trace and ultra-trace analysis by inductively coupled plasma mass spectrometry (ICP-MS) [*Angelique Botha*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P4.pdf>
- P5:** Accuracy measurement of toxic and nutrient elements in vegetal tissue and soil samples by using isotopic dilution ICP-SFMS [*Maria del Rocio Arvizu-Torres*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P5.pdf>
- P6:** Realization of SI traceability for Mg isotope amount ratios and delta values [*Jochen Vogl*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P6.pdf>
- P7:** Challenges in maintaining the artefact-based stable isotope scale [*Sergey Assonov*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P7.pdf>
- P8:** Raman Metrology - Towards Traceable and Quantitative Measurements [*Li-Lin Tay, Andrea Rossi*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P8.pdf>
- P9:** Traceable characterisation of thin film samples for advanced materials by reference-free X-ray fluorescence spectrometry [*Cornelia Streeck*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P9.pdf>

- P10:** Progress toward accurate chemical measurements of thin organic films using cluster ion beam sputtering [*Alex G. Shard*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P10.pdf>
- P11:** Combined method of scanning electron microscopy and gravimetry for number concentration measurement of nanoparticles in colloidal suspension [*Kazuhiro Kumagai*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P11.pdf>
- P12:** Uncertainty evaluation for the quantification of melamine in milk detected by Surface Enhanced Raman Scattering (SERS) [*Francesca Rolle*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P12.pdf>
- P13:** Influence of water on accuracy and stability of gaseous primary reference materials of nitrogen dioxide [*Dave Worton*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P13.pdf>
- P14:** Calibration of Particle Counter: A Connection between Counts and Mole [*Shankar G. Aggarwal*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P14.pdf>
- P15:** Advances in metrology for energy-containing gases and emerging demands
[*Adriaan van der Veen*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P15.pdf>
- P16:** Dynamic generation of VOCs reference gas mixtures with a mobile generator and comparison to static preparations [*Céline Pascale*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P16.pdf>
- P17:** The median scaled difference: An outlier-resistant indicator of anomalies for inter-laboratory data with reported uncertainties [*Stephen Ellison*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P17.pdf>
- P18:** Conventional and new traceability schemes of organic standards for safe water supply in Japan
[*Masahiko Numata*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P18.pdf>
- P19:** Potential applications of Time Domain Nuclear Magnetic Resonance (TD-NMR) in chemical metrology: case studies with fat content measurements in milk powder [*Bruno Garrido*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P19.pdf>
- P20:** Simultaneous determination of per- and polyfluoroalkyl substances in fish: method development, matrix effect evaluation and quantitation methods comparison [*Yan Gao*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P20.pdf>
- P21:** Development of production process of the candidate BSA reference material [*Hugo A. Amedei*]
<https://www.bipm.org/utis/en/pdf/Workshop-CCQM2019-P21.pdf>

- P22:** Characterization of co-existing enfuvirtide conformational states by Ion Mobility Mass Spectrometry and Hydrogen/deuterium exchange [Bradley B. Stocks]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P22.pdf>
- P23:** LC-ELISA as a contribution to the validation of immunoassays [Rudolf J. Schneider]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P23.pdf>
- P24:** Measurement of albumin in human urine by liquid chromatography-isotope dilution tandem mass spectrometry [Qinde Liu]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P24.pdf>
- P25:** The importance of commutability of biological CRMs [Vincent Delatour]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P25.pdf>
- P26:** Evaluation of measurement uncertainty of chip-based digital PCR using DNA reference material with determination of partition volume by scanning electron microscopy [Sachie Shibayama]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P26.pdf>
- P27:** Development of a candidate for Reference material from genomic DNA of *Salmonella* spp [John Emerson Leguizamon Guerrero]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P27.pdf>
- P28:** Effects of Different High Resolution Melting Dyes on DNA Methylation Measurements [Sema Akyurek]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P28.pdf>
- P29:** The importance of physical reference materials in assigning biological activity and improving value assignment in International Standardisation [Paul Matejtschuk]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P29.pdf>
- P30:** Combining Raman Spectroscopy and Dielectrophoresis for rapid determination of bacterial antibiotic susceptibility [Andrea Mario Giovannozzi]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P30.pdf>
- P31:** Developing reference materials for high-resolution microscopy for applications in life sciences and cell analysis: an impact case study [Ibolya Kepiro]
- P32:** De novo peptide-based virus-like particles as biological standards [Emiliana De Santis]
<https://www.bipm.org/utils/en/pdf/Workshop-CCQM2019-P32.pdf>