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Abstract:

This session will cover all you need to know about Gas Chromatography and its related techniques including gas chromatography-mass spectrometry; sample introduction; data analysis; sampling techniques, sample preparation for GCMS with applications in forensic sciences. GC–MS is considered as the gold standard in trace-level forensic evidence analysis because of its ability to chromatographically separate and analyze components in mixtures with very high sensitivity. We will be talking about the technique helps to answer two very basic questions involved on forensic analysis. "What is present/absent" and "how much"?

Along with live demo of the systems, the different aspects of applicability of GCMS in forensic sciences will be discussed.

I bring over 15 years of research experience with gas chromatography allowing me to explore many aspects of this analytical technique to solve questions across different sectors ranging from food safety to pharmaceuticals. Prior to joining Agilent Technologies, I performed my doctorate research at the University of Pune in conjunction with National Research Centre for Grapes where I concentrated on developing comprehensive methods for analysis of agro-chemicals in fruits and vegetables. I have worked with Thermo Fisher

Scientific for 3 yrs as Application specialist. Once joining Agilent, I became part of a team responsible for solutions meet our customers' analytical needs. I specialize in multi-residue method development, pesticides and environmental applications and genotoxic impurities in pharmaceuticals. I have had more than 25 publications and application notes to my credit and a book chapter.

✓ The reference study material for participants in the form of PPT / Online link / Book / Book chapter / Any other form you feel suitable

1. Agilent University: https://www.agilent.com/en/training-events/events/agilent-university
2. Agilent Chromatography and Mass Spec Educational Webinar Series: https://www.agilent.com/en/training-events/eseminars/832
3. GC & GC/MS Webinars: https://www.agilent.com/en/training-events/eseminars/gc-gc-ms-webinars
4. https://www.chromacademy.com/channels/gc-ms/principles/fundamentals-of-gc-ms-video-training-course/