

November 5, 2026 (14:45-15:30)



VENDOR SEMINAR:

AFFINIMIP®SPE : Molecularly Imprinted Polymers kits for the analysis of regulated or prohibited substances in foodstuffs

AFFINIMIP®SPE kits widely used in agri-food industry or food safety laboratories for the analysis of regulated substances present in foodstuffs

Arnaud Philippart & Michel Arotcarena, AffiniseP

Sample preparation is crucial in analytical chemistry sciences including food relative molecules analysis since it allows to reach lower limits of quantification and makes easier the data interpretation.

AFFINISEP specialises in sample preparation by Solid Phase Extraction (SPE) and designs tailor-made Molecularly Imprinted Polymer (MIP) to specifically recognize one target compound (compound specific) or structurally related target compounds (family-selective), based on the shape and chemical functions. AFFINIMIP® SPE are high-performance SPE sorbents based on MIP for sample cleanup before chromatographic analytical methods. Thanks to the superior selectivity in comparison with standard SPE, analytical chemists obtain higher recovery yields using simple and ready-to-use protocol.

Today, AFFINIMIP® SPE cartridges cover 23 dedicated applications within several formats, and our presentation will focus on several applications based on AFFINIMIP®SPE including PAHs in oil & oil-rich food, Bisphenols and glyphosate – AMPA in various food matrices. We also present the trace analysis of 29 PFAS in salmon trout using AttractSPE®PFAS dedicated cartridges.

Residues of banned substances in food of animal origin

Dr. M.Rejtharová, Head of National Reference Laboratory for residues of banned substances (USKVBL)

Residues of veterinary medicine, which are prohibited for food-producing animals, are monitored within national control residue plans in each EU member states. The official analyses provided in Czech National Reference Laboratory for banned substances cover also determinations of chloramphenicol, nitroimidazoles and prohibited estrogens in various biological and food matrices (e.g. urine, blood serum/plasma, tissues, feathers, milk, eggs, honey).

For sample preparation AFFINIMIP®SPE are used in accredited methods validated according to Reg. (EU) 2021/808. Implementation of these specific SPE provides well purified sample extracts suitable for GC/MS/MS or LC/MS/MS confirmatory measurement. Validation parameters obtained for these methods, including sensitivity, meet the requirements of EU legislation.