## November 4, 2021 (14:30-15:15, CET)



## **VENDOR WEBINAR:**

## **New Methods Targeting Emerging Food Contact Materials**

## New Methods Targeting Emerging Food Contact Materials: MOSH/MOAH and PFAS

Giorgia Purcaro, University of Liège, Belgium Milica Jovanovic, Technical University Graz, Austria

Prof. Giorgia Purcaro from University of Liège is going to demonstrate the use of a comprehensive platform, namely LC-GC×GC-ToFMS/FID, for the quantitative and confirmatory analysis of MOSH and MOAH in Food samples. This platform, which is routinely used, is herein proposed for more detailed profiling of the compound distribution into the UCM and easily detect the presence of interference avoiding false positive reported due to the presence of interferences, such as terpenoids, carotenoids, and olefin, which cannot easily be detected without the use of an informative detector as MS. Potentiality and challenges will be discussed.

Mrs. Milica Jovanovic from Technical University in Graz is going to present her work about PFAS in paper cardboards as a possible source for PFAS contamination in Food. Although PFAS are not present in fresh paper fibers, they can end up in paper and board food contact materials through a recycling process. Furthermore, papers can be coated with layers containing PFAS, to increase their hydrophobicity.

In this presentation, the targeted approach for detecting and quantifying PFAS in paper and board matrices using high-performance liquid chromatography coupled with triple quadrupole mass spectrometry is shown. Additionally, we present the possible challenges associated to PFAS analysis, and potential solutions.