



# Matyas Ripszam,

Chemist, PhD, (1986.06.24. Budapest).

I graduated at the Department of Chemistry in 2010 at Eotvos Lorand University in Budapest. I wrote my diploma work on developing fast HPLC separation methods for additives in foodstuffs.

I did my PhD at Umeå University, graduated in 2015 where I studied the transport (bioaccumulation and bioconcentration) of organic environmental contaminants through the Baltic Sea ecosystem under a diverse set of climate change scenarios. For the analysis of these samples I used gas chromatography (GC) and high-resolution mass spectrometry (HRMS) along with SPME and thermal desorption (TD).

Also in Umeå, I studied how the presence of volatile organic chemicals in indoor air can lead to the development of potential symptoms in employees. It was during this time I started working with comprehensive GCxGC and HRMS using thermal modulation in conjunction with thermal desorption.

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Afterwards, I worked at MSCi for 3 years in Copenhagen as an application specialist, developing different methods for gas chromatography-mass spectrometry, including some demonstration work in coupling dynamic headspace with comprehensive GCxGC. I also took part in training courses in the aforementioned topics.

Nowadays, I work as a postdoc at the University of Pisa, investigating chemosignaling among humans as a form of metacommunication to convey information about emotional states. For this project we use comprehensive flow-modulated GCxGC with a quadrupole time-of-flight HRMS.