

What we don't know about organic pollution of drinking and irrigation water sources: Identification of emergent compounds through non-targeted screening

Project name	What we don't know about organic pollution of drinking and irrigation water sources: Identification of emergent compounds through non-targeted screening
Registration number	QK23020018
Realization date	1. 1. 2023 – 31. 12. 2025
Recipient	University of South Bohemia in České Budějovice (FFPW USB) main Česká zemědělská univerzita v Praze / Fakulta agrobiologie, potravinových a přírodních zdrojů Český hydrometeorologický ústav
Grant program	Applied „ZEMĚ“ research programme of the Ministry of Agriculture for the period of 2017–2025
Responsible solver (FFPW USB)	Doc. Ing. Roman Grabic, Ph.D.

PROJECT GOALS

- To select localities representing different scenarios of surface and groundwater contamination - To carry out grab and passive sampling of water and soils - To identify new compounds relevant to a given pollution source by LC-HRMS data analysis - To set a list of substances relevant for further monitoring - To determine sorption behavior in the soil for the selection of identified compounds - To create a map of the occurrence of these compounds in surface and groundwater in CR and a map illustrating the risk of groundwater contamination in irrigated areas -To publish a methodology for the application of passive sampling and non-targeted analysis for new priority compounds identification and pollution sources assessment -To transfer the results to potential users via the workshop

PROJECT BUDGET

	Amount CZK
Total approved costs	12 225 thou. CZK
Public financial support	12 225 thou. CZK
Other public sources	0 thou. CZK
Non public and foreign sources	0 thou. CZK

CONTACT

Doc. Ing. Roman Grabic, Ph.D.

Phone +420 389 034 756, E- mail: rgrabic@frov.jcu.cz

