



UNDER THE AUSPICES OF H.E. THE
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MR. PROKOPIOS PAVLOPOULOS
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ICCE 2019 SESSION
Soil Pollution and Monitoring

Conveners

Levke Godbersen and Thomas Bucheli

Keynote Speaker

Andreas Schäffer, *RWTH Aachen University, Germany*

Numerous chemicals are introduced to soil intentionally or unintentionally from point or diffuse emission sources. Concentrations can range over several orders of magnitudes and may or may not exceed thresholds at which soil functions or agricultural product quality are impaired. Soil pollution is recognized as one of the major threats to soil health and functionality. Monitoring campaigns of soil pollutants are a valuable instrument to quantify the extent of soil pollution and provide knowledge based feedback to legislators and law enforcement. These monitoring campaigns need to account for soil-inherent complexity, e.g. by an adequate sampling design, chemical analytical methodology, and determination of ancillary parameters for process-oriented data interpretation, including assessments of soil functions. In this session, we welcome contributions that address one or several of the above outlined aspects of soil pollution and monitoring. We focus on presentations that deal with emerging pollutants (e.g. current pesticides, micropollutants or nanoparticles), metabolites, bioavailable concentrations, and elucidation of chemical exposure and soil function relationships.