The behavior to plant defenses to the soil contamination

Monica Butnariu
Banat’s University of Agricultural Sciences and Veterinary Medicine, Romania

Phenolic compounds represent a group of secondary metabolites with antioxidant properties and there are involved in plant adaptation to stress conditions. During normal processes of growth and development, plants are subjected to various types of biotic and abiotic stress such as drought, high salinity, mineral nutrient deficiency, ultraviolet light, extreme temperatures, hypoxia, toxicity of metals, herbicides, fungicides, pollutants gaseous and pathogen attack. Phenols are considered important biomarkers for phytotoxic effects of heavy metals and other pollutants. Increased production of phenolic compounds is part of is probably a defense mechanism of the plant. Phenolic compounds are of interest because of their role allopathic ecological processes; role in plants protection against herbivores and involvement in the response to stress, such as competition between and / or interspecific or pollution.

monicabutnariu@yahoo.com