

Drăghia Lavinia-Paula

PhD student, Clinical pharmacy resident

e-mail: draghia_lavinia@yahoo.com



RESEARCH

My fields of interest are analytical chemistry, environmental chemistry and toxicology.

The theme of my PhD thesis is focusing on the role of the environmental factors involved in the multifactorial etiology of chronic kidney diseases.

Our team's research main interest is studying the potential exposure pathways to aristolochic acid, a powerful nephrotoxin and carcinogen, claimed to be involved as a major etiological factor in Balkan Endemic Nephropathy (BEN). Low level contamination with aristolochic acids was detected in certain environmental matrices, and the toxicological relevance of these findings is to be established.

To a better understanding of this disease, field and laboratory work are combined. Collection of various environmental samples (soil, coal, water, plants, air) are made and analysed by different types of chromatography techniques (HPLC, LC-MS, GC-MS).

AFFILIATIONS

- Center for Gene and Cellular Therapies in the Treatment of Cancer "ONCOGEN", Emergency Clinical County Hospital "Pius Brinzeu" Timișoara (www.oncogen.ro, www.hosptm.ro)
- University of Medicine and Pharmacy "Victor Babes" Timișoara (www.umft.ro)