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Domenii de interes stiintific

Tema noastra principala de cercetare este medicina mediului si in particular relatia cauzala dintre anumiti factori poluanti si etiologia unor boli cronice de rinichi si a unor forme de cancer. Modelul principal de boala pe care il studiem este nefropatia endemica balcanica (BEN), o forma de insuficienta renala cronica limitata geografic la mai multe zone rurale din Peninsula Balcanica. Cauza (cauzele) principala a acestei boli nu se cunoaste, insa unul dintre factorii de mediu propusi este acidul aristolochic, o fitotoxina nefrotoxica si carcinogena. Scopul activitatii noastre de cercetare este de a identifica caile prin care populatia susceptibila din zonele cu BEN este expusa la aceasta toxina. Analizele efectuate prin metode sensibile de cromatografie si spectrometrie de masa au demonstrat prezenta acidului aristolochic in diverse probe de mediu prelevate din zone endemice, insa relevanta toxicologica a cailor de expunere urmeaza a fi stabilita.

Pentru mai multe informatii, accesati: www.medicalgeology.ro

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